

# **Market Rates System**

**(MRS)**

*Bi-annual Period*

*(1<sup>st</sup> August, 2012 to 31<sup>st</sup> January, 2013)*

**Government of the Punjab**

*Finance Department*

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# 1. CARRIAGE

Note: 1 The rates are applicable to carriage of material on pacca roads only.  
For kacha roads an allowance of 25% extra shall be allowed for 2nd and subsequent mileage (Km) rates. Rate upto 1st mile (1st Km) is however common to both kacha and pacca roads.

Note: 2 For hilly areas 25% above the rates in the plain areas shall be allowed for total mileage (Km) covered.

Note: 3 In case of articles longer than 15 ft. (4.6 m) carried in trucks, the following rates shall be allowed:-

- i) Above 15 ft. to 25 ft. (4.6 to 7.6 m) :- Total rates to be paid for 15 ft. to 25 ft. (4.6 to 7.6 m) length will be 1.5 times of the rate given in the Composite Schedule of Rates.
- ii) Above 25 ft. (7.6 m) :- The total rate to be paid for above 25 ft. (7.6 m) length will be 2 times of the rate given in the Composite Schedule of Rates.

The length measured shall not be the actual length, but the length of the form of consignment as actually received.

Note: 4 The term 'mile' (Km) whenever used is to mean statute mile (Km).

Note: 5 The rates include loading and unloading of material from the conveyance and stacking as directed.

Note: 6 The rates for carriage by boat or steamer shall be the same as by any other mechanical means on land

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| Sr. No. | Description  | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|----------------------|--------|-----------|-----------|---|
|         |  | Unit of M/ment       | Labour | Composite |           |   |
| 1       | Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. |                      |        |           | 16.1      |   |
|         | 1st chain (1st 30 m)   | 30M                  | 94.90  |           |           |   |
|         | 2nd chain (2nd 30 m)   | 30M                  | 17.45  |           |           |   |
|         | 3rd to 10th chain (60 to 300 m)  | 30M                  | 10.85  |           |           |   |
|         | 1000 to 3000 ft. (300 to 900 m)  | 300 Metre            | 106.75 |           |           |   |
|         | 1st Km   | Km                   | 157.59 |           |           |   |
|         | 2nd Km   | Km                   | 74.11  |           |           |   |
|         | 3rd Km   | Km                   | 56.45  |           |           |   |
|         | 4th Km   | Km                   | 39.07  |           |           |   |
|         | 5th Km   | Km                   | 36.16  |           |           |   |
|         | 6th Km   | Km                   | 35.51  |           |           |   |
|         | 7th Km   | Km                   | 32.92  |           |           |   |
|         | 8th Km   | Km                   | 32.54  |           |           |   |
|         | 9th Km   | Km                   | 30.42  |           |           |   |
|         | 10th Km  | Km                   | 28.21  |           |           |   |
|         | 11th Kms to 200Kms   | Km                   | 20.56  |           |           |   |
|         | 201 Kms to 250 Kms   | Km                   | 3.25   |           |           |   |
|         | 251 Kms & susequent Kms  | Km                   | 2.00   |           |           |   |
| 2       | Carriage of 5 tons of all material like coal, stone lime (unslaked), etc. B.G. Rail fastenings, points and crossing, Bridge Girders, pipes, sheets, Rail, M.S. bars, etc. etc.                                 |                      |        |           | 16.1      | Cement carried in containers other than bags will be paid according to this item. The word "pipes" covers |

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| Sr. No. | Description  | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|--|----------------------|--------|-----------|-----------|--|
|         |  | Unit of M/ment       | Labour | Composite |           |  |
|         | by truck or any other means owned by the contractor.   |                      |        |           |           | G.I.C.I.R.C.C. and P.C.C.  |
|         | 1st chain (1st 30 m)   | 30M                  | 94.90  |           |           |  |
|         | 2nd chain (2nd 30 m)   | 30M                  | 17.45  |           |           |  |
|         | 3rd to 10th chain (60 to 300 m)  | 30M                  | 10.85  |           |           |  |
|         | 1000 to 3000 ft. (300 to 900 m)  | 300M                 | 106.75 |           |           |  |
|         | 1st Km   | Km                   | 157.59 |           |           |  |
|         | 2nd Km   | Km                   | 74.11  |           |           |  |
|         | 3rd Km   | Km                   | 56.45  |           |           |  |
|         | 4th Km   | Km                   | 39.07  |           |           |  |
|         | 5th Km   | Km                   | 36.16  |           |           |  |
|         | 6th Km   | Km                   | 35.51  |           |           |  |
|         | 7th Km   | Km                   | 32.92  |           |           |  |
|         | 8th Km   | Km                   | 32.54  |           |           |  |
|         | 9th Km   | Km                   | 30.42  |           |           |  |
|         | 10th Km  | Km                   | 28.21  |           |           |  |
|         | 11th Kms to 200Kms   | Km                   | 20.56  |           |           |  |
|         | 201 Kms to 250 Kms   | Km                   | 3.25   |           |           |  |
|         | 251 Kms & susequent Kms  | Km                   | 2.00   |           |           |  |
| 3       | Carriage of 100 maunds of fuel wood by truck or any other means owned by the contractor:   |                      |        |           | 16.1      |  |
|         | 1st chain (1st 30 m)   | 30 M                 | 94.90  |           |           |  |
|         | 2nd chain (2nd 30 m)   | 30 M                 | 17.45  |           |           |  |
|         | 3rd to 10th chain (60 to 300 m)  | 30 M                 | 10.85  |           |           |  |
|         | 1000 to 3000 ft. (300 to 900 m)  | 300 M                | 106.75 |           |           |  |
|         | 1st Km   | Km                   | 157.59 |           |           |  |
|         | 2nd Km   | Km                   | 74.11  |           |           |  |
|         | 3rd Km   | Km                   | 56.45  |           |           |  |
|         | 4th Km   | Km                   | 39.07  |           |           |  |
|         | 5th Km   | Km                   | 36.16  |           |           |  |
|         | 6th Km   | Km                   | 35.51  |           |           |  |
|         | 7th Km   | Km                   | 32.92  |           |           |  |
|         | 8th Km   | Km                   | 32.54  |           |           |  |
|         | 9th Km   | Km                   | 30.42  |           |           |  |
|         | 10th Km  | Km                   | 28.21  |           |           |  |
|         | 11th & subsequent Kms  | Km                   | 20.56  |           |           |  |
| 4       | Carriage of 1000 Nos. bricks 10"x5"x3" (250x125x75 mm) or 1000 Nos. tiles 12"x6"x2" (300x150x50 mm) by truck or any other means owned by the contractor :- |                      |        |           | ditto     | Reduce the rate by 33% in case of carriage of 1000 Nos. tiles size 12"x6"x1¼" (300 x 150 x 30 mm). |

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| Sr. No.                 | Description   | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|-------------------------|---|----------------------|--------|-----------|-----------|---|
|                         |   | Unit of M/ment       | Labour | Composite |           |   |
| 5                       | 1st chain (1st 30 m)  |                      |        | 30 M      | 94.90     | 16.1<br>Material trolley to be supplied by the Government and maintained and run by the contractor. |
|                         | 2nd chain (2nd 30 m)  |                      |        | 30 M      | 17.45     |   |
|                         | 3rd to 10th chain (60 to 300 m)   |                      |        | 30 M      | 10.85     |   |
|                         | 1000 to 3000 ft. (300 to 900 m)   |                      |        | 300 M     | 106.75    |   |
|                         | 1st Km  |                      |        | Km        | 157.59    |   |
|                         | 2nd Km  |                      |        | Km        | 74.11     |   |
|                         | 3rd Km  |                      |        | Km        | 56.45     |   |
|                         | 4th Km  |                      |        | Km        | 39.07     |   |
|                         | 5th Km  |                      |        | Km        | 36.16     |   |
|                         | 6th Km  |                      |        | Km        | 35.51     |   |
|                         | 7th Km  |                      |        | Km        | 32.92     |   |
|                         | 8th Km  |                      |        | Km        | 32.54     |   |
|                         | 9th Km  |                      |        | Km        | 30.42     |   |
|                         | 10th Km   |                      |        | Km        | 28.21     |   |
|                         | 11th & subsequent Kms   |                      |        | Km        | 20.56     |   |
|                         | Carriage of 100 cft. (2.83 cu.m) of all material like stone, aggregate, spawl, kankar lime(unslaked), surkhi, etc. or 150 cft. (4.25 cu.m) of timber, by means of material trolley                          |                      |        |           |           |   |
|                         | 1st chain (1st 30 m)  |                      |        | 30 M      | 94.90     |   |
|                         | 2nd chain to 10th chain (2nd 30 m to 300 m)   |                      |        | 30 M      | 17.45     |   |
|                         | 1000 to 3000 ft. (300 to 900 m)   |                      |        | 300 M     | 106.75    |   |
|                         | 1st Km  |                      |        | Km        | 129.25    |   |
|                         | 2nd Km  |                      |        | Km        | 98.22     |   |
| 3rd Km                  |   |                      | Km     | 51.99     |           |   |
| 4th Km                  |   |                      | Km     | 40.50     |           |   |
| 5th Km                  |   |                      | Km     | 35.54     |           |   |
| 6th Km                  |   |                      | Km     | 34.12     |           |   |
| 7th Km                  |   |                      | Km     | 28.76     |           |   |
| 8th Km                  |   |                      | Km     | 28.43     |           |   |
| 9th Km                  |   |                      | Km     | 26.56     |           |   |
| 10th Km                 |   |                      | Km     | 24.62     |           |   |
| 11th Kms to 200Kms      |   |                      | Km     | 19.66     |           |   |
| 201 Kms to 250 Kms      |   |                      | Km     | 3.25      |           |   |
| 251 Kms & susequent Kms |   |                      | Km     | 2.00      |           |   |
| 6                       | Carriage of 5 tons of all material like coal, stone lime (unslaked), etc. B.G. Rail fastening, points and crossing, Bridge girders, pipes, sheets, Rail, M.S. bars, etc. etc. by means of material trolley. |                      |        |           |           | 16.1<br>Material trolley to be supplied by the Government and maintained and run by the contractor. |
|                         | 1st chain (1st 30 m)  |                      |        | 30 M      | 94.90     |   |
|                         | 2nd chain (2nd 30 m)  |                      |        | 30 M      | 17.45     |   |
|                         | 1000 to 3000 ft. (300 to 900 m)   |                      |        | 300 M     | 106.75    |   |
|                         | 1st Km  |                      |        | Km        | 129.25    |   |
|                         | 2nd Km  |                      |        | Km        | 98.22     |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No.               | Description  |  |  |    | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|-----------------------|--|--|--|----|----------------------|--------|-----------|-----------|---|
|                       |  |  |  |    | Unit of M/ment       | Labour | Composite |           |   |
| 7                     | 3rd Km   |  |  |    | Km                   | 51.99  |           | ditto     | Material trolley to be supplied by the Government and maintained and run by the contractor. |
|                       | 4th Km   |  |  |    | Km                   | 40.50  |           |           |   |
|                       | 5th Km   |  |  |    | Km                   | 35.54  |           |           |   |
|                       | 6th Km   |  |  |    | Km                   | 34.12  |           |           |   |
|                       | 7th Km   |  |  |    | Km                   | 28.76  |           |           |   |
|                       | 8th Km   |  |  |    | Km                   | 28.43  |           |           |   |
|                       | 9th Km   |  |  |    | Km                   | 26.56  |           |           |   |
|                       | 10th Km  |  |  |    | Km                   | 24.62  |           |           |   |
|                       | 11th Kms to 200Kms   |  |  |    | Km                   | 19.66  |           |           |   |
|                       | 201 Kms to 250 Kms   |  |  |    | Km                   | 3.25   |           |           |   |
|                       | 251 Kms & subsequent Kms   |  |  |    | Km                   | 2.00   |           |           |   |
|                       | Carriage of 100 maunds of fuel wood, by means of material trolley.                   |  |  |    |                      |        |           |           |   |
|                       | 1st chain (1st 30 m)   |  |  |    | 30 M                 | 94.90  |           |           |   |
|                       | 2nd chain (2nd 30 m)   |  |  |    | 30 M                 | 17.45  |           |           |   |
|                       | 1000 to 3000 ft. (300 to 900 m)  |  |  |    | 300 M                | 106.75 |           |           |   |
|                       | 1st Km   |  |  |    | Km                   | 129.25 |           |           |   |
|                       | 2nd Km   |  |  |    | Km                   | 98.22  |           |           |   |
|                       | 3rd Km   |  |  |    | Km                   | 51.99  |           |           |   |
|                       | 4th Km   |  |  |    | Km                   | 40.50  |           |           |   |
|                       | 5th Km   |  |  |    | Km                   | 35.54  |           |           |   |
|                       | 6th Km   |  |  |    | Km                   | 34.12  |           |           |   |
| 7th Km                |  |  |  | Km | 28.76                |        |           |           |   |
| 8th Km                |  |  |  | Km | 28.43                |        |           |           |   |
| 9th Km                |  |  |  | Km | 26.56                |        |           |           |   |
| 10th Km               |  |  |  | Km | 24.62                |        |           |           |   |
| 11th & subsequent Kms |  |  |  | Km | 19.66                |        |           |           |   |
| 8                     | Carriage of 1000 Nos. tiles 12"x6"x2" (300x150x50 mm), by means of material trolley. |  |  |    |                      |        |           | ditto     | Material trolley to be supplied by the Government and maintained and run by the contractor. |
|                       | 1st chain (1st 30 m)   |  |  |    | 30 M                 | 94.90  |           |           |   |
|                       | 2nd chain (2nd 30 m)   |  |  |    | 30 M                 | 17.45  |           |           |   |
|                       | 1000 to 3000 ft. (300 to 900 m)  |  |  |    | 300 M                | 106.75 |           |           |   |
|                       | 1st Km   |  |  |    | Km                   | 129.25 |           |           |   |
|                       | 2nd Km   |  |  |    | Km                   | 98.22  |           |           |   |
|                       | 3rd Km   |  |  |    | Km                   | 51.99  |           |           |   |
|                       | 4th Km   |  |  |    | Km                   | 40.50  |           |           |   |
|                       | 5th Km   |  |  |    | Km                   | 35.54  |           |           |   |
|                       | 6th Km   |  |  |    | Km                   | 34.12  |           |           |   |
|                       | 7th Km   |  |  |    | Km                   | 28.76  |           |           |   |
|                       | 8th.   |  |  |    | Km                   | 28.43  |           |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   |  |  |    | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|--|--|----|----------------------|--------|-----------|-----------|---------|
|         |   |  |  |    | Unit of M/ment       | Labour | Composite |           |         |
| 9       | 9th Km  |  |  |    | Km                   | 26.56  |           | ditto     |         |
|         | 10th Km   |  |  |    | Km                   | 24.62  |           |           |         |
|         | 11th & subsequent Kms   |  |  |    | Km                   | 19.66  |           |           |         |
|         | Carriage of 1000 No. bricks, 9"x4½"x3" (225x113x75 mm) or 8"x4"x4" (200x100x100 mm) (nominal) |  |  |    |                      |        |           |           |         |
|         | 1st chain (1st 30 m)  |  |  |    | 30 M                 | 77.76  |           |           |         |
|         | 2nd chain (2nd 30 m)  |  |  |    | 30 M                 | 16.00  |           |           |         |
|         | 3rd to 10th chain (60 to 300 m)   |  |  |    | 30 M                 | 8.91   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m)   |  |  |    | 300 M                | 87.40  |           |           |         |
|         | 1st Km  |  |  |    | Km                   | 129.19 |           |           |         |
|         | 2nd Km  |  |  |    | Km                   | 60.63  |           |           |         |
|         | 3rd Km  |  |  |    | Km                   | 46.25  |           |           |         |
|         | 4th Km  |  |  |    | Km                   | 32.24  |           |           |         |
|         | 5th Km  |  |  |    | Km                   | 30.53  |           |           |         |
|         | 6th Km  |  |  |    | Km                   | 29.81  |           |           |         |
|         | 7th Km  |  |  |    | Km                   | 26.97  |           |           |         |
|         | 8th Km  |  |  |    | Km                   | 26.66  |           |           |         |
|         | 9th Km  |  |  |    | Km                   | 24.92  |           |           |         |
| 10th Km |   |  |  | Km | 23.11                |        |           |           |         |
| 10      | 11th & subsequent Kms   |  |  |    | Km                   | 16.75  |           | 16.1      |         |
|         | Carriage of 1000 No. tiles 9"x4½"x1½" (225x113x38 mm).  |  |  |    |                      |        |           |           |         |
|         | 1st chain (1st 30 m)  |  |  |    | 30 M                 | 46.93  |           | 16.1      |         |
|         | 2nd chain (2nd 30 m)  |  |  |    | 30 M                 | 8.62   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m)   |  |  |    | 30 M                 | 5.32   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m)   |  |  |    | 300 M                | 52.80  |           |           |         |
|         | 1st Km  |  |  |    | Km                   | 77.99  |           |           |         |
|         | 2nd Km  |  |  |    | Km                   | 36.68  |           |           |         |
|         | 3rd Km  |  |  |    | Km                   | 27.94  |           |           |         |
|         | 4th Km  |  |  |    | Km                   | 19.30  |           |           |         |
|         | 5th Km  |  |  |    | Km                   | 17.76  |           |           |         |
|         | 6th Km  |  |  |    | Km                   | 17.47  |           |           |         |
|         | 7th Km  |  |  |    | Km                   | 16.28  |           |           |         |
|         | 8th Km  |  |  |    | Km                   | 16.09  |           |           |         |
|         | 9th Km  |  |  |    | Km                   | 15.03  |           |           |         |

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| Sr. No.                         | Description  |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |   |
|---------------------------------|--|--|--|--|----------------------|--------|-----------|-----------|---------|---|
|                                 |  |  |  |  | Unit of M/ment       | Labour | Composite |           |         |   |
| 11                              | 10th Km  |  |  |  | Km                   | 14.00  |           | ditto     |         |   |
|                                 | 11th & subsequent Kms                                      |  |  |  | Km                   | 10.15  |           |           |         |   |
|                                 | Carriage of 1 Cwt. (50 Kg) cement in bags.                 |  |  |  |                      |        |           |           |         |   |
|                                 | 1st chain (1st 30 m)                                       |  |  |  | 30 M                 | 1.79   |           |           |         |   |
|                                 | 2nd chain (2nd 30 m)                                       |  |  |  | 30 M                 | 0.21   |           |           |         |   |
|                                 | 3rd to 10th chain (60 to 300 m)                            |  |  |  | 30 M                 | 0.10   |           |           |         |   |
|                                 | 1000 to 3000 ft. (300 to 900 m)                            |  |  |  | 300 M                | 1.05   |           |           |         |   |
|                                 | 1st Km   |  |  |  | Km                   | 1.96   |           |           |         |   |
|                                 | 2nd Km   |  |  |  | Km                   | 1.34   |           |           |         |   |
|                                 | 3rd Km   |  |  |  | Km                   | 0.57   |           |           |         |   |
| 12                              | 4th Km and subsequent kilometers.                          |  |  |  | Km                   | 0.34   |           | 16.1      |         |   |
|                                 | Carriage of 100 Nos. empty cement bags including bundling. |  |  |  |                      |        |           |           |         |   |
|                                 | 1st 1000 (300 m) ft.                                       |  |  |  | 300 M                | 26.19  |           |           |         |   |
|                                 | 1000 to 3000 (300 to 900 m) ft.                            |  |  |  | 300 M                | 3.26   |           |           |         |   |
|                                 | 1st Km   |  |  |  | Km                   | 4.75   |           |           |         |   |
|                                 | 2nd Km   |  |  |  | Km                   | 4.82   |           |           |         |   |
|                                 | 3rd Km   |  |  |  | Km                   | 2.23   |           |           |         |   |
|                                 | 4th Km & subsequent Kms                                    |  |  |  | Km                   | 1.97   |           |           |         |   |
|                                 | 13   | Carriage of 100 (2.83 cu.m) cft. of Sarkanda or pilchi, frash or brushwood, by boat or road :- |  |  |                      |        |           |           |         | ditto<br>Previous lead of collection not to be deducted from the next lead of carriage. |
|                                 |  | 1st chain (1st 30 m)   |  |  |                      | 30 M   | 38.83     |           |         |   |
| 2nd chain (2nd 30 m)            |  |  |  |  | 30 M                 | 17.45  |           |           |         |   |
| 3rd to 10th chain (60 to 300 m) |  |  |  |  | 30 M                 | 5.32   |           |           |         |   |
| 1000 to 3000 ft. (300 to 900 m) |  |  |  |  | 300 M                | 43.86  |           |           |         |   |
| 1st Km                          |  |  |  |  | Km                   | 71.99  |           |           |         |   |
| 2nd Km                          |  |  |  |  | Km                   | 36.68  |           |           |         |   |
| 3rd Km                          |  |  |  |  | Km                   | 27.94  |           |           |         |   |
| 4th Km                          |  |  |  |  | Km                   | 19.30  |           |           |         |   |
| 5th Km                          |  |  |  |  | Km                   | 17.76  |           |           |         |   |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   |  |  |  | Rate (Metric System) |        |           | Spec. No.   | Remarks |
|---------|---|--|--|--|----------------------|--------|-----------|---|---------|
|         |   |  |  |  | Unit of M/ment       | Labour | Composite |   |         |
|         | 6th Km  |  |  |  | Km                   | 17.47  |           |   |         |
|         | 7th Km  |  |  |  | Km                   | 16.28  |           |   |         |
|         | 8th Km  |  |  |  | Km                   | 16.09  |           |   |         |
|         | 9th Km  |  |  |  | Km                   | 15.03  |           |   |         |
|         | 10th Km   |  |  |  | Km                   | 14.00  |           |   |         |
|         | 11th Km & subsequent  |  |  |  | Km                   | 10.15  |           |   |         |
| 14      | Carriage of light machinery weighing upto 3 tonne upto 1000 ft. (300 metre) |  |  |  | Tonne                |        |           | ditto   |         |
|         | Exceeding 1000 to 5000 ft (300 to 1500metre)                                |  |  |  | 300 M                | 317.30 |           |   |         |
|         | 1st Km  |  |  |  | "                    | 76.88  |           |   |         |
|         | 2nd Km  |  |  |  | Km                   | 155.04 |           |   |         |
|         | 3rd Km  |  |  |  | Km                   | 72.28  |           |   |         |
|         | 4th Km  |  |  |  | Km                   | 48.95  |           |   |         |
|         | 5th Km  |  |  |  | Km                   | 31.67  |           |   |         |
|         | 6th Km  |  |  |  | Km                   | 29.86  |           |   |         |
|         | 7th Km  |  |  |  | Km                   | 28.67  |           |   |         |
|         | 8th Km  |  |  |  | Km                   | 24.84  |           |   |         |
|         | 9th Km  |  |  |  | Km                   | 24.47  |           |   |         |
|         | 10th Km   |  |  |  | Km                   | 23.91  |           |   |         |
|         | 11th Km & susequent   |  |  |  | Km                   | 18.91  |           |   |         |
|         |   |  |  |  | Km                   | 15.44  |           |   |         |
| 15      | Carriage of small consignments weighing upto 5 maunds (job rates) :         |  |  |  |                      |        |           | 16.1 For consignment weighing 5 to 10 maunds, rate be increased by 25%; and for consignments weighing 10 to 20 maunds, rate be increased by 100%. |         |
|         | Upto 1000 ft. (300 metre)   |  |  |  | Consign-ment/ 300 M  | 25.77  |           |   |         |
|         | Exceeding 1000 to 3000 ft. (300 to 900 metre)                               |  |  |  |                      | 17.67  |           |   |         |
|         | 1st Km  |  |  |  | Consign-ment/ Km     | 24.27  |           |   |         |
|         | 2nd Km  |  |  |  | "                    | 15.13  |           |   |         |
|         | 3rd Km & subsequent   |  |  |  | "                    | 5.03   |           |   |         |
| 16      | Carriage of consignments job.   |  |  |  |                      |        |           |   |         |
|         | i) Cooly load for distance:-  |  |  |  | Each                 |        |           |   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (Metric System) |        |             | Spec. No. | Remarks |
|---------|---|----------------------|--------|-------------|-----------|---------|
|         |   | Unit of M/ment       | Labour | Composite   |           |         |
|         | a) Upto 5 Km  |                      |        | Consignment | 49.50     |         |
|         | b) Above 5 to 13 Km   |                      |        | "           | 114.80    |         |
| ii)     | Carriage of consignments odd jobs.  |                      |        | Each        |           |         |
|         | a) Donkey load for distance upto 500 feet.  |                      |        | Consignment | 10.85     |         |
|         | b) Upto 1000 feet.  |                      |        | "           | 16.45     |         |
|         | c) Upto ½ Mile/ 0.8 Km  |                      |        | "           | 20.80     |         |
|         | d) Upto one Mile/ 1.6 Km  |                      |        | "           | 26.00     |         |
|         | e) Upto three Miles/ 4.8 Km   |                      |        | "           | 45.95     |         |
|         | f) Exceeding 3 Miles/ 16 km   |                      |        | "           | 82.25     |         |
| iii)    | Cart load for a distance :-   |                      |        | Each        |           |         |
|         | a) upto 4 Miles/ 6.4 Km   |                      |        | Consignment |           |         |
|         | b) Exceeding 4 Miles(6.4 Km) to10 Miles(16 Km)  |                      |        | "           | 89.85     |         |
|         |   |                      |        | "           | 163.55    |         |
| iv)     | Camel load for a distance:-   |                      |        | "           |           |         |
|         | a) upto 4 Miles/ 6.4 Km.)   |                      |        | "           | 66.45     |         |
|         | b) exceeding 4 to 12 mills (6.4 Km to 19.2 Km)  |                      |        | "           | 100.75    |         |
| 17      | Hire charges of:-   |                      |        |             |           |         |
|         | i) truck (10 Ton Capacity)  |                      |        | Per day     | 3000.00   |         |
|         | ii) tractor with trolley  |                      |        | "           | 1000.00   |         |
|         | iii) tractor without trolley  |                      |        | "           | 800.00    |         |
| 18      | Carriage of bitumen, tar or other lubricants, in drums:   |                      |        |             |           | 16.1    |
|         | 1st Km  |                      |        | Per Tonne   | 25.85     |         |
|         | 2nd Km  |                      |        | "           | 17.76     |         |
|         | 3rd & subsequent Km   |                      |        | "           | 7.19      |         |
| 19      | Carriage of Asbestos cement pipes BSS Class 'B' with comet joint and rubber ring, including loading, unloading and stacking (rate per 100 Rft. (30 m pipes):- |                      |        |             |           |         |
|         | i) <b>3" (75 mm) i/d pipes:-</b>  |                      |        |             |           |         |
|         | 1st chain (1st 30 m)  |                      |        | 30 M        | 3.75      |         |
|         | 2nd chain (2nd 30 m)  |                      |        | 30 M        | 0.70      |         |
|         | 3rd to 10th chain (60 to 300 m)   |                      |        | 30 M        | 0.45      |         |
|         | 1000 to 3000 ft. (300 to 900 m)   |                      |        | 300 M       | 4.20      |         |
|         | 1st Km  |                      |        | Km          | 6.21      |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

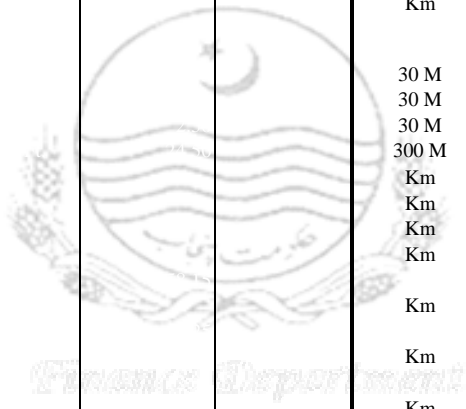
| Sr. No. | Description                     |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|--|--|--|----------------------|--------|-----------|-----------|---------|
|         |                                 |  |  |  | Unit of M/ment       | Labour | Composite |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 2.90   |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 2.20   |           |           |         |
|         | 4th Km                          |  |  |  | Km                   | 1.51   |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 1.39   |           |           |         |
|         | 6th Km                          |  |  |  | Km                   | 1.36   |           |           |         |
|         | 7th Km                          |  |  |  | Km                   | 1.26   |           |           |         |
|         | 8th Km                          |  |  |  | Km                   | 1.24   |           |           |         |
|         | 9th Km                          |  |  |  | Km                   | 1.16   |           |           |         |
|         | 10th Km                         |  |  |  | Km                   | 1.10   |           |           |         |
|         | 11th Km & Susequent             |  |  |  | Km                   | 1.06   |           |           |         |
| ii)     | <b>4" (100 mm) i/d pipes:-</b>  |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 4.90   |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 0.90   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 0.55   |           |           |         |
|         | 1000 to 9000 ft. (300 to 900 m) |  |  |  | 300 M                | 5.50   |           |           |         |
|         | 1st Km                          |  |  |  | Km                   | 8.14   |           |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 3.79   |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 2.88   |           |           |         |
|         | 4th Km                          |  |  |  | Km                   | 1.98   |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 1.83   |           |           |         |
|         | 6th Km                          |  |  |  | Km                   | 1.80   |           |           |         |
|         | 7th Km                          |  |  |  | Km                   | 1.67   |           |           |         |
|         | 8th Km                          |  |  |  | Km                   | 1.65   |           |           |         |
|         | 9th Km                          |  |  |  | Km                   | 1.54   |           |           |         |
|         | 10th Km                         |  |  |  | Km                   | 1.44   |           |           |         |
|         | 11th Km & subsequent Km         |  |  |  | Km                   | 1.39   |           |           |         |
| iii)    | <b>6" (150 mm) i/d pipes:-</b>  |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 7.35   |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 1.35   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 0.85   |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|--|--|--|----------------------|--------|-----------|-----------|---------|
|         |                                 |  |  |  | Unit of M/ment       | Labour | Composite |           |         |
|         | 1000 to 9000 ft. (300 to 900 m) |  |  |  | 300 M                | 8.30   |           |           |         |
|         | 1st Km                          |  |  |  | Km                   | 12.21  |           |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 5.72   |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 4.35   |           |           |         |
|         | 4th Km                          |  |  |  | Km                   | 3.00   |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 2.78   |           |           |         |
|         | 6th Km                          |  |  |  | Km                   | 2.73   |           |           |         |
|         | 7th Km                          |  |  |  | Km                   | 2.54   |           |           |         |
|         | 8th Km                          |  |  |  | Km                   | 2.51   |           |           |         |
|         | 9th Km                          |  |  |  | Km                   | 2.32   |           |           |         |
|         | 10th Km                         |  |  |  | Km                   | 2.14   |           |           |         |
|         | 11th Km & subsequent Km         |  |  |  | Km                   | 1.80   |           |           |         |
| iv)     | <b>8" (200 mm) i/d pipes:</b>   |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 12.45  |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 2.30   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 1.45   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m) |  |  |  | 300 M                | 14.00  |           |           |         |
|         | 1st Km                          |  |  |  | Km                   | 20.69  |           |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 9.98   |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 7.52   |           |           |         |
|         | 4th Km                          |  |  |  | Km                   | 5.17   |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 4.80   |           |           |         |
|         | 6th Km                          |  |  |  | Km                   | 4.72   |           |           |         |
|         | 7th Km                          |  |  |  | Km                   | 4.37   |           |           |         |
|         | 8th Km                          |  |  |  | Km                   | 4.20   |           |           |         |
|         | 9th Km                          |  |  |  | Km                   | 3.79   |           |           |         |
|         | 10th Km                         |  |  |  | Km                   | 2.46   |           |           |         |
|         | 11th Km & subsequent Km         |  |  |  | Km                   | 1.75   |           |           |         |
| v)      | <b>10" (250 mm) i/d pipes:-</b> |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 16.75  |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 3.10   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 1.90   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m) |  |  |  | 300 M                | 18.85  |           |           |         |
|         | 1st Km                          |  |  |  | Km                   | 27.81  |           |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 12.97  |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 9.85   |           |           |         |

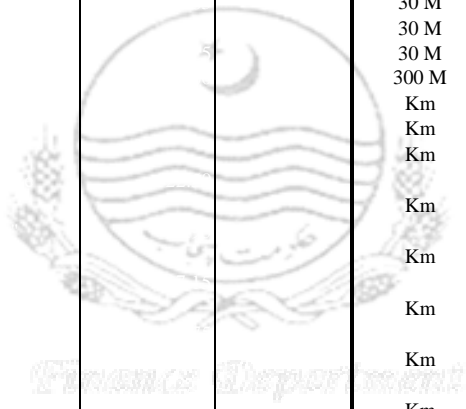
**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|--|--|--|----------------------|--------|-----------|-----------|---------|
|         |                                 |  |  |  | Unit of M/ment       | Labour | Composite |           |         |
|         | 4th Km                          |  |  |  | Km                   | 6.78   |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 6.25   |           |           |         |
|         | 6th Km                          |  |  |  | Km                   | 6.14   |           |           |         |
|         | 7th Km                          |  |  |  | Km                   | 5.95   |           |           |         |
|         | 8th Km                          |  |  |  | Km                   | 5.88   |           |           |         |
|         | 9th Km                          |  |  |  | Km                   | 5.50   |           |           |         |
|         | 10th Km                         |  |  |  | Km                   | 5.10   |           |           |         |
|         | 11th Km & subsequent Kms        |  |  |  | Km                   | 3.68   |           |           |         |
| vi)     | <b>12" (300 mm) i/d pipes:</b>  |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 21.75  |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 4.00   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 2.50   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m) |  |  |  | 300 M                | 24.50  |           |           |         |
|         | 1st Km                          |  |  |  | Km                   | 36.13  |           |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 17.85  |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 13.21  |           |           |         |
|         | 4th Km                          |  |  |  | Km                   | 8.82   |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 8.15   |           |           |         |
|         | 6th Km                          |  |  |  | Km                   | 8.00   |           |           |         |
|         | 7th Km                          |  |  |  | Km                   | 7.40   |           |           |         |
|         | 8th Km                          |  |  |  | Km                   | 7.31   |           |           |         |
|         | 9th Km                          |  |  |  | Km                   | 6.82   |           |           |         |
|         | 10th Km                         |  |  |  | Km                   | 6.32   |           |           |         |
|         | 11th Km & subsequent Kms        |  |  |  | Km                   | 4.70   |           |           |         |
| vii)    | <b>16" (400 mm) i/d pipes:-</b> |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 35.65  |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 6.55   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 4.10   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m) |  |  |  | 300 M                | 40.15  |           |           |         |
|         | 1st Km                          |  |  |  | Km                   | 59.25  |           |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 28.11  |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 21.18  |           |           |         |
|         | 4th Km                          |  |  |  | Km                   | 14.65  |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 13.58  |           |           |         |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|----------------------|--------|-----------|-----------|---------|
|         |                                 | Unit of M/ment       | Labour | Composite |           |         |
|         | 6th Km                          |                      |        | Km        | 13.33     |         |
|         | 7th Km                          |                      |        | Km        | 12.34     |         |
|         | 8th Km                          |                      |        | Km        | 12.19     |         |
|         | 9th Km                          |                      |        | Km        | 11.40     |         |
|         | 10th Km                         |                      |        | Km        | 10.58     |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 7.74      |         |
| viii)   | <b>18" (450 mm) i/d pipes:-</b> |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 45.85     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 8.45      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 5.25      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 51.60     |         |
|         | 1st Km                          |                      |        | Km        | 76.12     |         |
|         | 2nd Km                          |                      |        | Km        | 35.81     |         |
|         | 3rd Km                          |                      |        | Km        | 27.27     |         |
|         | 4th Km                          |                      |        | Km        | 18.87     |         |
|         | 5th Km                          |                      |        | Km        | 17.48     |         |
|         | 6th Km                          |                      |        | Km        | 17.16     |         |
|         | 7th Km                          |                      |        | Km        | 15.90     |         |
|         | 8th Km                          |                      |        | Km        | 15.72     |         |
|         | 9th Km                          |                      |        | Km        | 14.69     |         |
|         | 10th Km                         |                      |        | Km        | 13.63     |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 9.86      |         |
| ix)     | <b>20" (500 mm) i/d pipes:-</b> |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 48.65     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 8.95      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 5.55      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 54.75     |         |
|         | 1st Km                          |                      |        | Km        | 80.81     |         |
|         | 2nd Km                          |                      |        | Km        | 38.00     |         |
|         | 3rd Km                          |                      |        | Km        | 28.93     |         |
|         | 4th Km                          |                      |        | Km        | 20.02     |         |
|         | 5th Km                          |                      |        | Km        | 18.55     |         |
|         | 6th Km                          |                      |        | Km        | 18.22     |         |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|--|--|--|----------------------|--------|-----------|-----------|---------|
|         |   |  |  |  | Unit of M/ment       | Labour | Composite |           |         |
|         | 7th Km  |  |  |  | Km                   | 16.88  |           |           |         |
|         | 8th Km  |  |  |  | Km                   | 16.68  |           |           |         |
|         | 9th Km  |  |  |  | Km                   | 15.57  |           |           |         |
|         | 10th Km   |  |  |  | Km                   | 14.45  |           |           |         |
|         | 11th Km & subsequent Kms  |  |  |  | Km                   | 10.65  |           |           |         |
| x)      | <b>24" (600 mm) i/d pipes:-</b>   |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)  |  |  |  | 30 M                 | 53.90  |           |           |         |
|         | 2nd chain (2nd 30 m)  |  |  |  | 30 M                 | 9.90   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m)   |  |  |  | 30 M                 | 6.15   |           |           |         |
|         | 1000 to 5000 ft. (300 to 1500 m)  |  |  |  | 300 M                | 60.65  |           |           |         |
|         | 1st Km  |  |  |  | Km                   | 89.54  |           |           |         |
|         | 2nd Km  |  |  |  | Km                   | 42.07  |           |           |         |
|         | 3rd Km  |  |  |  | Km                   | 32.03  |           |           |         |
|         | 4th Km  |  |  |  | Km                   | 22.69  |           |           |         |
|         | 5th Km  |  |  |  | Km                   | 20.51  |           |           |         |
|         | 6th Km  |  |  |  | Km                   | 20.13  |           |           |         |
|         | 7th Km  |  |  |  | Km                   | 18.65  |           |           |         |
|         | 8th Km  |  |  |  | Km                   | 18.43  |           |           |         |
|         | 9th Km  |  |  |  | Km                   | 17.23  |           |           |         |
|         | 10th Km   |  |  |  | Km                   | 15.98  |           |           |         |
|         | 11th Km & subsequent Kms  |  |  |  | Km                   | 11.59  |           |           |         |
| 20      | Carriage of PVC pipes B.S.S. Class 'B' including loading, unloading and stacking (Rate per 1000 ft.) (300 metre) :- |  |  |  |                      |        |           |           |         |
| i)      | <b>3" (75 mm) i/d pipes:-</b>   |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)  |  |  |  | 30 M                 | 7.35   |           |           |         |
|         | 2nd chain (2nd 30 m)  |  |  |  | 30 M                 | 1.35   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m)   |  |  |  | 30 M                 | 0.85   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m)   |  |  |  | 300 M                | 8.25   |           |           |         |
|         | 1st Km  |  |  |  | Km                   | 12.21  |           |           |         |
|         | 2nd Km  |  |  |  | Km                   | 5.73   |           |           |         |
|         | 3rd Km  |  |  |  | Km                   | 4.36   |           |           |         |
|         | 4th Km  |  |  |  | Km                   | 3.01   |           |           |         |
|         | 5th Km  |  |  |  | Km                   | 2.79   |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|----------------------|--------|-----------|-----------|---------|
|         |                                 | Unit of M/ment       | Labour | Composite |           |         |
|         | 6th Km                          |                      |        | Km.       | 2.73      |         |
|         | 7th Km                          |                      |        | Km        | 2.53      |         |
|         | 8th Km                          |                      |        | Km        | 2.48      |         |
|         | 9th Km                          |                      |        | Km        | 2.31      |         |
|         | 10th Km                         |                      |        | Km        | 2.15      |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 1.75      |         |
| ii)     | <b>4" (100 mm) i/d pipes:-</b>  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 11.30     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 2.10      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 1.30      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 12.75     |         |
|         | 1st Km                          |                      |        | Km        | 18.80     |         |
|         | 2nd Km                          |                      |        | Km        | 9.01      |         |
|         | 3rd Km                          |                      |        | Km        | 6.75      |         |
|         | 4th Km                          |                      |        | Km        | 4.58      |         |
|         | 5th Km                          |                      |        | Km        | 4.23      |         |
|         | 6th Km                          |                      |        | Km        | 4.15      |         |
|         | 7th Km                          |                      |        | Km        | 3.84      |         |
|         | 8th Km                          |                      |        | Km        | 3.79      |         |
|         | 9th Km                          |                      |        | Km        | 3.55      |         |
|         | 10th Km                         |                      |        | Km        | 3.28      |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 2.82      |         |
| iii)    | <b>5" (125 mm) i/d pipes:-</b>  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 15.45     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | "         | 2.85      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | "         | 1.75      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 17.35     |         |
|         | 1st Km                          |                      |        | Km        | 25.63     |         |
|         | 2nd Km                          |                      |        | "         | 12.20     |         |
|         | 3rd Km                          |                      |        | "         | 9.33      |         |
|         | 4th Km                          |                      |        | "         | 6.50      |         |
|         | 5th Km                          |                      |        | Km.       | 5.82      |         |
|         | 6th Km                          |                      |        | "         | 5.71      |         |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|--|--|--|----------------------|--------|-----------|-----------|---------|
|         |                                 |  |  |  | Unit of M/ment       | Labour | Composite |           |         |
|         | 7th Km                          |  |  |  | "                    | 5.29   |           |           |         |
|         | 8th Km                          |  |  |  |                      | 5.23   |           |           |         |
|         | 9th Km                          |  |  |  |                      | 4.88   |           |           |         |
|         | 10th Km                         |  |  |  |                      | 4.52   |           |           |         |
|         | 11th Km & subsequent Kms        |  |  |  |                      | 3.33   |           |           |         |
| iv)     | <b>6" (150 mm) i/d pipes:</b>   |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 21.30  |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 3.90   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 2.45   |           |           |         |
|         | 1000 to 3000 ft. (300 to 300 m) |  |  |  | 300 M                | 23.95  |           |           |         |
|         | 1st Km.                         |  |  |  | Km.                  | 35.33  |           |           |         |
|         | 2nd Km                          |  |  |  | Km.                  | 16.62  |           |           |         |
|         | 3rd Km                          |  |  |  | Km.                  | 12.65  |           |           |         |
|         | 4th Km                          |  |  |  | Km.                  | 8.76   |           |           |         |
|         | 5th Km                          |  |  |  | Km.                  | 8.11   |           |           |         |
|         | 6th Km                          |  |  |  | Km.                  | 7.96   |           |           |         |
|         | 7th Km                          |  |  |  | Km.                  | 7.39   |           |           |         |
|         | 8th Km                          |  |  |  | Km.                  | 7.30   |           |           |         |
|         | 9th Km                          |  |  |  | Km.                  | 6.81   |           |           |         |
|         | 10th Km                         |  |  |  | Km.                  | 6.32   |           |           |         |
|         | 11th Km & subsequent Kms        |  |  |  | Km.                  | 4.60   |           |           |         |
| v)      | <b>8" (200 mm) i/d pipes:-</b>  |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |  |  |  | 30 M                 | 37.30  |           |           |         |
|         | 2nd chain (2nd 30 m)            |  |  |  | 30 M                 | 6.85   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m) |  |  |  | 30 M                 | 4.25   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m) |  |  |  | 300 M                | 42.00  |           |           |         |
|         | 1st Km                          |  |  |  | Km                   | 61.98  |           |           |         |
|         | 2nd Km                          |  |  |  | Km                   | 29.16  |           |           |         |
|         | 3rd Km                          |  |  |  | Km                   | 22.21  |           |           |         |
|         | 4th Km                          |  |  |  | Km                   | 15.37  |           |           |         |
|         | 5th Km                          |  |  |  | Km                   | 14.23  |           |           |         |
|         | 6th Km                          |  |  |  | Km                   | 13.97  |           |           |         |
|         | 7th Km                          |  |  |  | Km                   | 12.95  |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|----------------------|--------|-----------|-----------|---------|
|         |                                 | Unit of M/ment       | Labour | Composite |           |         |
|         | 8th Km                          |                      |        | Km        | 12.80     |         |
|         | 9th Km                          |                      |        | Km        | 11.96     |         |
|         | 10th Km                         |                      |        | Km        | 11.07     |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 8.04      |         |
| vi)     | <b>10" (250 mm) i/d pipes:-</b> |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 57.85     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 10.65     |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 6.60      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 65.10     |         |
|         | 1st Km                          |                      |        | Km        | 96.10     |         |
|         | 2nd Km                          |                      |        | Km        | 45.19     |         |
|         | 3rd Km                          |                      |        | Km        | 34.43     |         |
|         | 4th Km                          |                      |        | Km        | 23.83     |         |
|         | 5th Km                          |                      |        | Km        | 22.06     |         |
|         | 6th Km                          |                      |        | Km        | 21.66     |         |
|         | 7th Km                          |                      |        | Km        | 20.06     |         |
|         | 8th Km                          |                      |        | Km        | 19.83     |         |
|         | 9th Km                          |                      |        | Km        | 18.53     |         |
|         | 10th Km                         |                      |        | Km        | 17.20     |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 12.61     |         |
| vii)    | <b>12" (300 mm) i/d pipes:-</b> |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 81.45     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 15.00     |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 9.35      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 91.65     |         |
|         | 1st Km                          |                      |        | Km        | 135.28    |         |
|         | 2nd Km                          |                      |        | Km        | 63.63     |         |
|         | 3rd Km                          |                      |        | Km        | 48.46     |         |
|         | 4th Km                          |                      |        | Km        | 33.54     |         |
|         | 5th Km                          |                      |        | Km        | 31.04     |         |
|         | 6th Km                          |                      |        | Km        | 30.49     |         |
|         | 7th Km                          |                      |        | Km        | 28.26     |         |
|         | 8th Km                          |                      |        | Km        | 27.92     |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|--|--|--|----------------------|--------|-----------|-----------|---------|
|         |   |  |  |  | Unit of M/ment       | Labour | Composite |           |         |
|         | 9th Km  |  |  |  | Km                   | 26.08  |           |           |         |
|         | 10th Km   |  |  |  | Km                   | 24.17  |           |           |         |
|         | 11th Km & subsequent Kms  |  |  |  | Km                   | 17.69  |           |           |         |
|         | <b>viii) 14" (350 mm) i/d pipes:-</b>   |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)  |  |  |  | 30 M                 | 106.00 |           |           |         |
|         | 2nd chain (2nd 30 m)  |  |  |  | 30 M                 | 19.50  |           |           |         |
|         | 3rd to 10th chain (60 to 300 m)   |  |  |  | 30 M                 | 12.15  |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m)   |  |  |  | 300 M                | 119.30 |           |           |         |
|         | 1st Km  |  |  |  | Km                   | 176.07 |           |           |         |
|         | 2nd Km  |  |  |  | Km                   | 82.79  |           |           |         |
|         | 3rd Km  |  |  |  | Km                   | 63.05  |           |           |         |
|         | 4th Km  |  |  |  | Km                   | 43.63  |           |           |         |
|         | 5th Km  |  |  |  | Km                   | 40.39  |           |           |         |
|         | 6th Km  |  |  |  | Km                   | 39.66  |           |           |         |
|         | 7th Km  |  |  |  | Km                   | 36.76  |           |           |         |
|         | 8th Km  |  |  |  | Km                   | 36.33  |           |           |         |
|         | 9th Km  |  |  |  | Km                   | 33.96  |           |           |         |
|         | 10th Km   |  |  |  | Km                   | 31.52  |           |           |         |
|         | 11th Km & subsequent Kms  |  |  |  | Km                   | 23.07  |           |           |         |
| 21      | Carriage of PVC pipes B.S.S. Class 'D' including loading, unloading and stacking (Rates per 1000 ft.):- |  |  |  |                      |        |           |           |         |
|         | <b>i) 2" (50 mm) i/d pipes:-</b>  |  |  |  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)  |  |  |  | 30 M                 | 5.35   |           |           |         |
|         | 2nd chain (2nd 30 m)  |  |  |  | 30 M                 | 1.00   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m)   |  |  |  | 30 M                 | 0.60   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m)   |  |  |  | 300 M                | 6.05   |           |           |         |
|         | 1st Km  |  |  |  | Km                   | 8.92   |           |           |         |
|         | 2nd Km  |  |  |  | Km                   | 4.20   |           |           |         |
|         | 3rd Km  |  |  |  | Km                   | 3.19   |           |           |         |
|         | 4th Km  |  |  |  | Km                   | 2.20   |           |           |         |
|         | 5th Km  |  |  |  | Km                   | 2.05   |           |           |         |
|         | 6th Km  |  |  |  | Km                   | 2.01   |           |           |         |
|         | 7th Km  |  |  |  | Km                   | 1.88   |           |           |         |
|         | 8th Km  |  |  |  | Km                   | 1.84   |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|----------------------|--------|-----------|-----------|---------|
|         |                                 | Unit of M/ment       | Labour | Composite |           |         |
|         | 9th Km                          |                      |        | Km        | 1.73      |         |
|         | 10Km                            |                      |        | Km        | 1.59      |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 1.20      |         |
| ii)     | <b>2½" (63 mm) i/d pipes:-</b>  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 8.35      |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 1.55      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 0.95      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 9.40      |         |
|         | 1st Km                          |                      |        | Km        | 13.86     |         |
|         | 2nd Km                          |                      |        | Km        | 6.56      |         |
|         | 3rd Km                          |                      |        | Km        | 5.00      |         |
|         | 4th Km                          |                      |        | Km        | 3.48      |         |
|         | 5th Km                          |                      |        | Km        | 3.23      |         |
|         | 6th Km                          |                      |        | Km        | 3.17      |         |
|         | 7th Km                          |                      |        | Km        | 2.93      |         |
|         | 8th Km                          |                      |        | Km        | 2.70      |         |
|         | 9th Km                          |                      |        | Km        | 2.61      |         |
|         | 10Km                            |                      |        | Km        | 2.41      |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 1.82      |         |
| iii)    | <b>3" (75 mm) i/d pipes:-</b>   |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 11.55     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 2.15      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 1.35      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 13.00     |         |
|         | 1st Km                          |                      |        | Km        | 19.23     |         |
|         | 2nd Km                          |                      |        | Km        | 9.06      |         |
|         | 3rd Km                          |                      |        | Km        | 6.90      |         |
|         | 4th Km                          |                      |        | Km        | 4.78      |         |
|         | 5th Km                          |                      |        | Km        | 4.43      |         |
|         | 6th Km                          |                      |        | Km        | 4.35      |         |
|         | 7th Km                          |                      |        | Km        | 4.03      |         |
|         | 8th Km                          |                      |        | Km        | 3.98      |         |
|         | 9th Km                          |                      |        | Km        | 3.61      |         |
|         | 10th Km                         |                      |        | Km        | 3.35      |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                     | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---------------------------------|----------------------|--------|-----------|-----------|---------|
|         |                                 | Unit of M/ment       | Labour | Composite |           |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 2.53      |         |
| iv)     | <b>4" (100 mm) i/d pipes:-</b>  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 19.15     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 3.50      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 2.20      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 21.55     |         |
|         | 1st Km                          |                      |        | Km        | 31.82     |         |
|         | 2nd Km                          |                      |        | Km        | 14.97     |         |
|         | 3rd Km                          |                      |        | Km        | 11.41     |         |
|         | 4th Km                          |                      |        | Km        | 7.90      |         |
|         | 5th Km                          |                      |        | Km        | 7.30      |         |
|         | 6th Km                          |                      |        | Km        | 7.17      |         |
|         | 7th Km                          |                      |        | Km        | 6.71      |         |
|         | 8th Km                          |                      |        | Km        | 6.53      |         |
|         | 9th Km                          |                      |        | Km        | 6.10      |         |
|         | 10th Km                         |                      |        | Km        | 5.62      |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 4.27      |         |
| v)      | <b>5" (125 mm) i/d pipes:-</b>  |                      |        |           |           |         |
|         | 1st chain (1st 30 m)            |                      |        | 30 M      | 28.65     |         |
|         | 2nd chain (2nd 30 m)            |                      |        | 30 M      | 5.25      |         |
|         | 3rd to 10th chain (60 to 300 m) |                      |        | 30 M      | 3.30      |         |
|         | 1000 to 3000 ft. (300 to 900 m) |                      |        | 300 M     | 32.20     |         |
|         | 1st Km                          |                      |        | Km        | 47.54     |         |
|         | 2nd Km                          |                      |        | Km        | 22.36     |         |
|         | 3rd Km                          |                      |        | Km        | 17.02     |         |
|         | 4th Km                          |                      |        | Km        | 11.78     |         |
|         | 5th Km                          |                      |        | Km        | 10.91     |         |
|         | 6th Km                          |                      |        | Km        | 10.71     |         |
|         | 7th Km                          |                      |        | Km        | 9.93      |         |
|         | 8th Km                          |                      |        | Km        | 9.81      |         |
|         | 9th Km                          |                      |        | Km        | 9.19      |         |
|         | 10th Km                         |                      |        | Km        | 8.43      |         |
|         | 11th Km & subsequent Kms        |                      |        | Km        | 6.33      |         |
| vi)     | <b>6" (150 mm) i/d pipes:-</b>  |                      |        |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  |  |  |  | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|--|--|--|----------------------|--------|-----------|-----------|---------|
|         |  |  |  |  | Unit of M/ment       | Labour | Composite |           |         |
|         | 1st chain (1st 30 m)   |  |  |  | 30 M                 | 41.25  |           |           |         |
|         | 2nd chain (2nd 30 m)   |  |  |  | 30 M                 | 7.60   |           |           |         |
|         | 3rd to 10th chain (60 to 300 m)                                    |  |  |  | 30 M                 | 4.70   |           |           |         |
|         | 1000 to 3000 ft. (300 to 900 m)                                    |  |  |  | 300 M                | 46.40  |           |           |         |
|         | 1st Km   |  |  |  | Km                   | 68.51  |           |           |         |
|         | 2nd Km   |  |  |  | Km                   | 32.21  |           |           |         |
|         | 3rd Km   |  |  |  | Km                   | 24.52  |           |           |         |
|         | 4th Km   |  |  |  | Km                   | 16.97  |           |           |         |
|         | 5th Km   |  |  |  | Km                   | 15.72  |           |           |         |
|         | 6th Km   |  |  |  | Km                   | 15.44  |           |           |         |
|         | 7th Km   |  |  |  | Km                   | 14.31  |           |           |         |
|         | 8th Km   |  |  |  | Km                   | 14.15  |           |           |         |
|         | 9th Km   |  |  |  | Km                   | 13.22  |           |           |         |
|         | 10th Km  |  |  |  | Km                   | 12.25  |           |           |         |
|         | 11th Km & subsequent Kms   |  |  |  | Km                   | 9.06   |           |           |         |
| 22      | Hand shunting loaded Railway wagons or trucks:-                    |  |  |  |                      |        |           |           |         |
|         | a) upto ¼ mile / ¼ Km  |  |  |  | Each                 | 144.80 |           |           |         |
|         | b) upto ½ mile / ½ Km  |  |  |  | No                   | 262.15 |           |           |         |
|         | c) upto ¾ mile / ¾ Km  |  |  |  | "                    | 353.90 |           |           |         |
|         | d) upto 1 (1.6 Km) mile  |  |  |  | "                    | 421.15 |           |           |         |
|         | e) 2nd mile and subsequent miles/<br>2nd and subsequent kilometres |  |  |  | Each<br>No/Km        | 259.05 |           |           |         |
| 23      | Hand shunting empty Railway wagons or trucks.                      |  |  |  |                      |        |           |           |         |
|         | a) upto ¼ mile / ¼ Km  |  |  |  | Each                 | 84.00  |           |           |         |
|         | b) upto ½ mile / ½ Km  |  |  |  | No.                  | 139.15 |           |           |         |
|         | c) upto ¾ mile / ¾ Km  |  |  |  | "                    | 183.55 |           |           |         |
|         | d) upto 1 mile / 1 Km  |  |  |  | "                    | 220.30 |           |           |         |
|         | e) 2nd mile and subsequent miles/<br>2nd and subsequent kilometres |  |  |  | Each<br>No/Km        | 127.20 |           |           |         |

## 2. LOADING, UNLOADING & STACKING

1 The rate for loading into and unloading from mobile trucks, trollies and boats, etc. will be the same as for Railway wagons.

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| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.                            | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|--------------------------------------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |                                      |         |
| 1       | Loading or unloading into or from Railway wagons, lead within one chain, (30m) shingle, sand, ballast, surkhi, ashes, kankar, brick bats, coal, lime or 1,000 Nos. tiles size 12"x6"x2" (300x150x50 mm) or 9"x4½"x1½" (225x113x37mm) properly laid & stacked. | 100 Cft.              | 364.30 |           | cu.m                 | 128.70 |           |                                      |         |
| 2       | Loading or unloading bricks into or from Railway wagons laid and stacked, lead within one chain:-   |                       |        |           |                      |        |           |                                      |         |
|         | a) Bricks 10" (250 mm) size.  | 1000 Nos.             | 455.40 |           | 1000 Nos.            | 455.40 |           |                                      |         |
|         | b) Bricks 9" (225 mm) or smaller size.  | ditto                 | 364.30 |           | ditto                | 364.30 |           |                                      |         |
| 3       | Loading or unloading into or from Railway wagons cement in bags (from inside or outside the godown) and stacking within one chain (30 m)  | 100 Bags              | 455.40 |           | 100 Bags             | 455.40 |           |                                      |         |
| 4       | Loading or unloading into or from Railway wagons empty cement bags (from inside or outside the godown) and stacking.  | 100 Nos.              | 43.70  |           | 100 Nos.             | 43.70  |           |                                      |         |
| 5       | Loading or unloading into or from Railway wagons (from inside or outside the godown) and stacking, white lime in bags.  | 100 Mds.              | 273.25 |           | 100 Kg               | 7.30   |           |                                      |         |
| 6       | Loading or unloading into or from Railway wagons Structural Steel, R.S. joists, broad, narrow or meter gauge rail and rail fastenings, etc.   | Per Tonne             | 218.60 |           | Per Tonne            | 215.15 |           |                                      |         |
| 7       | Loading or unloading 45 gallon (204.57 Litres) drums full into or from Railway wagons, lead upto one chain.   | Each                  | 27.30  |           | Each                 | 27.30  |           |                                      |         |
| 8       | Loading or unloading packages of all sorts, upto one Cwt (50 Kg).   | Each                  | 13.65  |           | Each                 | 13.65  |           | Except cement in jute or paper bags. |         |
| 9       | Loading or unloading sleepers other than wooden, including stacking lead within one chain:-   |                       |        |           |                      |        |           |                                      |         |
|         | a) Broad gauge sleepers   | 100 Nos.              | 910.80 |           | 100 Nos.             | 910.80 |           |                                      |         |
|         | b) Metre gauge and narrow gauge sleepers.   | ditto                 | 455.40 |           | ditto                | 455.40 |           |                                      |         |
| 10      | Loading or unloading timber logs or timber for shuttering   | Per                   | 113.85 |           | Per                  | 112.05 |           |                                      |         |

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| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |   |
|         | into or from Railway wagons of any gauge, including stacking lead within one chain (30 m)  | Ton                   |         |           | Tonne                |        |           |           |   |
| 11      | Loading or unloading bhoosa in Railway wagons lead upto 150 ft. (45 m)   | 100 Mds.              | 1092.95 |           | 100 Kg               | 29.3   |           |           |   |
| 12      | Loading or unloading timber scrap or wooden plugs, into or from Railway wagons, and stacking within one chain lead.                    | Per Ton               | 182.15  |           | Per Tonne            | 179.30 |           |           |   |
| 13      | Loading or unloading pitching stone or spawl from Railway wagons of any gauge (including clearing 5 ft. (1500 mm) away from the rail). | 100 Cft.              | 134.80  |           | cu.m                 | 47.60  |           |           |   |
| 14      | Loading or unloading building stone (including clearing 5 ft. (1.5 m) away from rails).  | 100 Cft.              | 174.85  |           | cu.m                 | 61.75  |           |           |   |
| 15      | Unloading oil, bitumen tar, etc.   |                       |         |           |                      |        |           |           |   |
|         | a) Crude oil (to be pumped from tank wagon into tank).   | 1000 Gallon           | 455.40  |           | 100 litres           | 10.00  |           |           |   |
|         | b) Crude oil (drained by gravity).   | 1000 Gallon           | 455.40  |           | 100 litres           | 10.00  |           |           |   |
|         | c) Crude oil materials from railway wagons.  | 100 Cft.              | 58.30   |           | cu.m                 | 20.60  |           |           |   |
|         | d) Fuel oil from tank into empty drums, including stacking within one chain (30 m).  | Per Ton               | 161.90  |           | Per Tonne            | 159.35 |           |           |   |
|         | e) Petrol (2 gallon tin)   | 100 Nos.              | 229.50  |           | 100 Nos.             | 229.50 |           |           | The rate includes checking and weighing the tins. |
|         | f) Kerosine oil (4 gallon tin)   | 100 Nos.              | 455.40  |           | 100 Nos.             | 455.40 |           |           |   |
| 16      | Removing and stacking within one chain (30 m) lead:  |                       |         |           |                      |        |           |           |   |
|         | a) Stone, spawl, brick bats, shingle, sand, lime, surkhi, ashes, kankar and coat, etc.   | 100 Cft.              | 182.15  |           | cu.m                 | 64.35  |           |           |   |
|         | b) Bricks.   | 1000 Nos.             | 485.75  |           | 1000 Nos.            | 485.75 |           |           |   |
|         | c) Broad gauge wooden sleepers.  | 100 Nos.              | 291.45  |           | 100 Nos.             | 291.45 |           |           |   |
|         | d) Metre gauge or narrow gauge wooden sleepers.  | 100 Nos.              | 173.50  |           | 100 Nos.             | 173.50 |           |           |   |
|         | e) Rails girders, pipes, cement etc.   | Per Ton               | 80.95   |           | Per Tonne            | 79.70  |           |           |   |



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| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
|         | f) Bridge and crossing timbers, etc.  | 100 No.               | 971.50  |           | 100 No.              | 971.50  |           |           |         |
| 17      | Loading into wagons girders, rails, permanent way material (except wooden sleepers) iron work, M.S. bars, pipes, etc. including lead one chain (30 M) and stacking inside wagons. | Per Ton               | 182.15  |           | Per Tonne            | 179.30  |           |           |         |
| 18      | Unloading from wagons girders, rails, permanent way material (except wooden sleepers) iron work, M.S. bars, pipes, etc. lead upto one chain (30 m) but excluding stacking.        | Per Ton               | 104.10  |           | Per Tonne            | 102.45  |           |           |         |
| 19      | Loading into wagons wooden broad gauge sleepers, including one chain (30 m) lead and stacking,.   | 100 Nos.              | 728.65  |           | 100 Nos.             | 728.65  |           |           |         |
| 20      | Unloading wooden broad gauge sleepers from wagons, including one chain (30 m) lead and stacking.  | 100 Nos.              | 346.95  |           | 100 Nos.             | 346.95  |           |           |         |
| 21      | Loading metre gauge or narrow gauge wooden sleepers, including one chain (30 m) lead and stacking inside wagons.  | 100 Nos.              | 364.30  |           | 100 Nos.             | 364.30  |           |           |         |
| 22      | Unloading metre gauge or narrow gauge wooden sleepers, including one chain (30 m) lead but excluding stacking.  | 100 Nos.              | 191.75  |           | 100 Nos.             | 191.75  |           |           |         |
| 23      | Loading bridge and crossing timbers, including one chain (30 m) lead and stacking.  | 100 Nos.              | 1457.30 |           | 100 Nos.             | 1457.30 |           |           |         |
| 24      | Unloading bridge and crossing timbers, including one chain (30 m) lead but excluding stacking.  | 100 Nos.              | 728.65  |           | 100 Nos.             | 728.65  |           |           |         |
| 25      | Loading or unloading bitumen, asphalt or tar in drums, into or from railway wagons, lead upto one chain (30 m).   | Per Ton               | 109.30  |           | Per Tonne            | 107.55  |           |           |         |

### 3. EARTHWORK (EXCAVATION & EMBANKMENT)

1 Special allowances for the hardness, wetness and slush:-

The grant of allowances for hard, very hard, wet and slush will be subject to Superintending Engineer's approval. Specific instructions regarding grant of such allowances may be issued by the various Administrative Departments and Statutory Bodies. The earth requiring repeated blows of Kassi to break it and of which dry bulk density is not less than 1.5, will be treated as hard.

2 Deduction for shrinkage from bank measurements:-

The following allowances should be provided for material which is not rammed, or equally consolidated:-

- a) Deduction for shrinkage from the bank measurements when the earthwork is done by manual labour..... 10%
- b) Deduction for settlement from the bank measurement when the earthwork is done by machines..... 3 to 6%

Before the work is let out to be done by tractors, scrapers, etc. deduction ranging between 3% to 6% should be agreed to with the contractor:

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| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No.                          | Remarks   |
|---------|--|-----------------------|----------|-----------|----------------------|--------|-----------|------------------------------------|---|
|         |  | Unit of M/ment        | Labour   | Composite | Unit of M/ment       | Labour | Composite |                                    |   |
| 1       | Earthwork excavation underdressed lead upto a single throw of Kassi, phaorah or shovel:-   |                       |          |           |                      |        |           | 171 to 17.5                        |   |
|         | a) In ashes, sand, soft soil or silt clearance.  | 1000 Cft.             | 1,366.20 | --        | cu.m                 | 48.25  | --        |                                    |   |
|         | b) In ordinary soil.   | 1000 Cft.             | 1,639.45 | --        | cu.m                 | 57.90  | --        |                                    |   |
| 2       | Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 50 ft (15 metre).   | 1000 Cft.             | 2,003.75 | --        | cu.m                 | 70.75  | --        | ditto                              |   |
| 3       | Bed clearance and dressing slopes of drains to required sections including the removal of weeds, roots, etc. disposal of excavated materials within 50 ft. (15 metre) lead.  |                       |          |           |                      |        |           | ditto                              | The rate is applicable where the earth of the bed to be removed is of the type of ordinary soil. When it is silt or 1 or 2 above, whichever is applicable. the drains of each category. |
|         | a) Excavated material undressed.   | 1000 Cft.             | 2,550.25 | --        | cu.m                 | 90.10  | --        |                                    |   |
|         | b) Excavated material dressed in the specified manner.   | 1000 Cft.             | 2,753.50 | --        | cu.m                 | 97.25  | --        |                                    |   |
| 4       | Borrowpit excavation undressed lead upto 100 ft (30 metre).  |                       |          |           |                      |        |           |                                    |   |
|         | a) Ordinary soil   | 1000 Cft.             | 2,550.25 | --        | cu.m                 | 90.10  | --        |                                    |   |
|         | b) Hard soil   | 1000 Cft.             | 3,133.15 | --        | cu.m                 | 110.65 | --        |                                    |   |
| 5       | Earthwork in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:- |                       |          |           |                      |        |           | *411-1 to 411-13 and 301-1 & 202-3 | The rate includes hire charges of machinery, cost of fuel, lubricants, pay of driver and cleaner. The rate also includes clearing and grubbing where necessary.                         |
|         | i) 95% to 100% maximum modified AASHO dry density.   | 1000 Cft.             | 2,778.75 | 3,673.75  | cu.m                 | 98.15  | 129.75    |                                    |   |
|         | ii) 90% maximum modified AASHO dry density.  | 1000 Cft.             | 2,778.75 | 3,559.45  | cu.m                 | 98.15  | 125.70    |                                    |   |
|         | iii) 85% maximum modified AASHO dry density.   | 1000 Cft.             | 2,778.75 | 3,445.15  | cu.m                 | 98.15  | 121.70    |                                    |   |
| 6       | Regular excavation dressed.  | 1000 Cft.             | 1,868.60 | --        | cu.m                 | 66.00  | --        | *411-2                             |   |
| 7       | Earthwork excavation in open cutting upto 5'-0" (1.5 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and  |                       |          |           |                      |        |           | 17.1 to 17.5                       |   |

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| Sr. No. | Description  | Rate (British System) |           |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|--|-----------------------|-----------|-----------|----------------------|--------|-----------|--|---------|
|         |  | Unit of M/ment        | Labour    | Composite | Unit of M/ment       | Labour | Composite |  |         |
|         | timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:-  |                       |           |           |                      |        |           |  |         |
|         | i) ordinary  | 1000 Cft.             | 3,175.90  | 3,246.60  | cu.m                 | 112.15 | 114.65    |  |         |
|         | ii) hard   | 1000 Cft.             | 3,758.85  | 3,829.50  | cu.m                 | 132.75 | 135.25    |  |         |
|         | iii) very hard   | 1000 Cft.             | 4,378.20  | 4,448.85  | cu.m                 | 154.65 | 157.15    |  |         |
|         | iv) gravel & shingle   | 1000 Cft.             | 7,370.90  | 7,441.55  | cu.m                 | 260.35 | 262.85    |  |         |
| 8       | Earthwork excavation in open cutting 5.01 ft. (1.5 m) to 10.0 ft. (3.0 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 100 ft. (30 m) lead:- |                       |           |           |                      |        |           | ditto  |         |
|         | i) ordinary  | 1000 Cft.             | 3,466.30  | 3,606.85  | cu.m                 | 122.45 | 127.40    |  |         |
|         | ii) hard   | 1000 Cft.             | 4,049.25  | 4,189.80  | cu.m                 | 143.00 | 148.00    |  |         |
|         | iii) very hard   | 1000 Cft.             | 4,668.60  | 4,809.10  | cu.m                 | 164.90 | 169.85    |  |         |
|         | iv) gravel & shingle   | 1000 Cft.             | 8,025.60  | 8,166.15  | cu.m                 | 283.45 | 288.45    |  |         |
| 9       | Excavation in shingle or gravel formation and rock, not requiring blasting, undressed lead upto 100 ft (30 m).   |                       |           |           |                      |        |           | 17.1 to 17.5   |         |
|         | i) Dry   | 1000 Cft.             | 6,922.10  | --        | cu.m                 | 244.50 | --        |  |         |
|         | ii) Wet  | 1000 Cft.             | 8,015.05  | --        | cu.m                 | 283.10 | --        |  |         |
|         | iii) In flowing water  | 1000 Cft.             | 10,200.95 | --        | cu.m                 | 360.30 | --        |  |         |
| 10      | Earthwork excavation in irrigation channels, drains, etc. to designed section, grades and profiles, excavated material disposed off and dressed within 50 ft. (15 m) lead:-  |                       |           |           |                      |        |           | ditto  |         |
|         | i) ordinary  | 1000 Cft.             | 2,919.85  | --        | cu.m                 | 103.15 | --        |  |         |
|         | ii) hard   | 1000 Cft.             | 3,502.75  | --        | cu.m                 | 123.70 | --        |  |         |
|         | iii) very hard   | 1000 Cft.             | 4,122.10  | --        | cu.m                 | 145.60 | --        |  |         |
|         | iv) gravel & shingle   | 1000 Cft.             | 7,296.95  | --        | cu.m                 | 257.75 | --        |  |         |
| 11      | Excavation in rock dressed to designed section, grades and profiles, excavated material disposed off within 100 ft. (30 m) and lift upto 5'-0" (1.5 m).  |                       |           |           |                      |        |           | 17.1 to 17.5   |         |
|         | a) Soft rock, slate, shale, schist laterite work, with pick and crow bar.  | 1000 Cft.             | 6,948.50  | --        | cu.m                 | 245.40 | --        | Tools and plants shall be the liability of the contractor.   |         |
|         | b) Medium hard rock, requiring occasional blasting.  | 1000 Cft.             | 10,935.40 | 11,511.40 | cu.m                 | 386.25 | 406.60    |  |         |
| 12      | a) Excavation in hard rock requiring blasting and disposal of excavated material (blasted material) upto 50 ft. (15 m) lead, (including dressing and levelling to designed section, etc. complete).  |                       |           |           |                      |        |           | 17.1 to 17.5   |         |
|         | i) Grade I   | 1000 Cft.             | 6,646.20  | 7,222.20  | cu.m                 | 234.75 | 255.10    | 1) Tools and plants required shall be the liability of the Contractor<br>2) Reduce the rate by 8% if the excavated section is not dressed or |         |

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|---------|--|-----------------------|-----------|-----------|----------------------|--------|-----------|---------------|---|
|         |  | Unit of M/ment        | Labour    | Composite | Unit of M/ment       | Labour | Composite |               |   |
|         | ii) Grade II   | 1000 Cft.             | 7,188.70  | 8,148.70  | cu.m                 | 253.90 | 287.80    |               | levelled to designed section.   |
|         | iii) Grade III   | 1000 Cft.             | 8,591.90  | 9,743.90  | cu.m                 | 303.45 | 344.15    |               |   |
|         | iv) Grade IV   | 1000 Cft.             | 9,538.30  | 10,882.30 | cu.m                 | 336.90 | 384.35    |               |   |
|         | v) Grade V   | 1000 Cft.             | 10,549.45 | 12,085.45 | cu.m                 | 372.60 | 426.85    |               |   |
|         | vi) Grade VI   | 1000 Cft.             | 11,313.70 | 13,041.70 | cu.m                 | 399.60 | 460.65    |               |   |
|         | b) Excavation in hard rock requiring blasting, but blasting prohibited, and disposal of excavated material within 50 ft. (15 m) lead (including dressing and levelling to designed section, etc. complete):- |                       |           |           |                      |        |           | 17.1 to 17.5  |   |
|         | i) Grade I   | 1000 Cft.             | 13,292.40 | 14,444.40 | cu.m                 | 469.50 | 510.20    |               |   |
|         | ii) Grade II   | 1000 Cft.             | 14,377.45 | 16,297.45 | cu.m                 | 507.80 | 575.65    |               |   |
|         | iii) Grade III   | 1000 Cft.             | 17,183.75 | 19,487.75 | cu.m                 | 606.95 | 688.30    |               |   |
|         | iv) Grade IV   | 1000 Cft.             | 19,076.65 | 21,764.65 | cu.m                 | 673.80 | 768.75    |               |   |
|         | v) Grade V   | 1000 Cft.             | 21,098.90 | 24,170.90 | cu.m                 | 745.20 | 853.70    |               |   |
|         | vi) Grade VI   | 1000 Cft.             | 22,627.45 | 26,083.45 | cu.m                 | 799.20 | 921.25    |               |   |
| 13      | Rehandling of earthwork:   |                       |           |           |                      |        |           |               |   |
|         | a) Lead upto a single throw of Kassi, phaorah or shovel  | 1000 Cft.             | 910.80    | --        | cu.m                 | 32.15  | --        | ditto         |   |
|         | b) Upto a lead of 50 ft. (15 m).   | 1000 Cft.             | 1,275.10  | --        | cu.m                 | 45.05  | --        | ditto         |   |
| 14      | Rehandling of gravel work or excavated rock, lead upto 50 ft.( 15 m)   | 1000 Cft.             | 3,643.20  | --        | cu.m                 | 128.70 | --        | 17.1 to 17.5  |   |
| 15      | Filling, watering and ramming earth under floors:-   |                       |           |           |                      |        |           | ditto         |   |
|         | i) with surplus earth from foundation, etc.  | 1000 Cft.             | 1,829.50  | --        | cu.m                 | 64.60  | --        |               |   |
|         | ii) with new earth excavated from outside, lead upto one chain (30 m).   | 1000 Cft.             | 3,519.25  | --        | cu.m                 | 124.30 | --        |               |   |
| 16      | Extra for every 50 ft. (15 m) additional lead or part thereof :-   |                       |           |           |                      |        |           |               | This rate shall be applicable upto 1000 ft. total distance, including the lead covered in the item of earthwork         |
|         | i) for earhtwork soft, ordinary, hard and very hard.   | 1000 Cft.             | 32.40     | --        | cu.m                 | 1.15   | --        |               |   |
|         | ii) for gravel, shingle or rock.   | 1000 Cft.             | 37.85     | --        | cu.m                 | 1.35   | --        |               |   |
| 17      | Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m)   |                       |           |           |                      |        |           |               | This rate will be paid inaddition to the rate of earthwork, without deducting the lead covered in the item of earthwork |
|         | a) upto ¼ mile (400 m).  | 1000 Cft.             | 1,469.50  | --        | cu.m                 | 51.90  | --        |               |   |
|         | b) for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)   | 1000 Cft.             | 88.90     | --        | cu.m                 | 3.15   | --        |               |   |
|         | c) for every ¼ mile (400 m) additional lead or part thereof, beyond one mile (1.6 Km.) upto 5 mile (8 Km).   | 1000 Cft.             | 155.15    | --        | cu.m                 | 5.50   | --        |               |   |
|         | d) for every ½ mile (800 m) additional lead or part thereof, beyond 5 miles (8 Km).  | 1000 Cft.             | 137.10    | --        | cu.m                 | 4.85   | --        |               |   |
| 18      | Dressing and levelling of earhtwork to designed section, etc. complete:-   |                       |           |           |                      |        |           | 17.10 to 17.5 |   |

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|---------|---|-----------------------|-----------|-----------|----------------------|--------|-----------|--------------|--|
|         |   | Unit of M/ment        | Labour    | Composite | Unit of M/ment       | Labour | Composite |              |  |
|         | a) Ashes, sand, silt or soft soil.  | 1000 Cft.             | 117.65    | --        | cu.m                 | 4.15   | --        |              |  |
|         | b) Ordinary or hard soil.   | 1000 Cft.             | 228.50    | --        | cu.m                 | 8.05   | --        |              |  |
|         | c) Gravel work or soft rock not requiring blasting.   | 1000 Cft.             | 551.75    | --        | cu.m                 | 19.50  | --        |              |  |
| 19      | Dowel dressing.   | Per Chain             | 107.35    | --        | Metre                | 3.50   | --        | ditto        | This rate is in addition to payment for dressed earhtwork.   |
| 20      | a) Dressing slopes of banks or ground surface.  | 100Sft.               | 47.90     | --        | sq.m                 | 5.15   | --        | ditto        | To be paid only when exclusively dressing is done and no earthwork is carried out in embankment or cutting.  |
|         | b) Dressing of earthwork (done by machinery or otherwise and left undressed) to designed section.   | 100Sft.               | 85.80     | --        | sq.m                 | 9.25   | --        |              | i) The surface area dressed is to be taken for measurement.<br><br>ii) The item is applicable where the dressing is done by the contractor other than the one who executed the work. |
| 21      | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) |                       |           |           |                      |        |           | 17.1 to 17.5 |  |
|         | a) in sand, ashes or loose soil   | 1000 Cft.             | 3,284.15  | --        | cu.m                 | 116.00 | --        |              |  |
|         | b) in ordinary soil.  | 1000 Cft.             | 3,833.30  | --        | cu.m                 | 135.40 | --        |              |  |
|         | c) in hard soil or soft murum.  | 1000 Cft.             | 4,290.00  | --        | cu.m                 | 151.50 | --        |              |  |
| 22      | Cutting hard rock such as granite, ballast, hard lime stone or sand stone, etc. with chisels and hammers, for small foundations.  | 1000 Cft.             | 26,537.30 | 30,551.10 | cu.m                 | 937.30 | 1079.05   | 17.1 to 17.5 | Tools and plants required shall be the liability of the contractor.  |
| 23      | Extra for excavation requiring shoring.   | 1000 Cft.             | 481.80    | 718.35    | cu.m                 | 17.00  | 25.35     | 17.1 to 17.5 | Composite rate includes materials, i.e. plank, etc.  |
| 24      | Compaction of earthwork (soft, ordinary or hard soil) :-  |                       |           |           |                      |        |           | ditto        |  |
|         | a) Mixing, moistening earth to optimum moisture content in layers for compaction, etc. complete.  | 1000 Cft.             | 431.80    | --        | cu.m                 | 15.25  | --        |              |  |
|         | b) Compaction by rolling with animal driven roller/hand rammed:   |                       |           |           |                      |        |           |              |  |
|         | i) soft or sandy soil   | 1000 Cft.             | 546.50    | --        | cu.m                 | 19.30  | --        |              |  |
|         | ii) ordinary soil   | 1000 Cft.             | 637.55    | --        | cu.m                 | 22.50  | --        |              | 1) The rate does not include hire charges of the roller.<br>2) Roller to be 'supplied by Government  |
|         | iii) hard soil  | 1000 Cft.             | 728.65    | --        | cu.m                 | 25.75  | --        |              |  |
|         | iv) admixture of shingle  | 1000 Cft.             | 819.70    | --        | cu.m                 | 28.95  | --        |              |  |
|         | c) Ramming earthwork (all types of soil).   | 1000 Cft.             | 546.50    | --        | cu.m                 | 19.30  | --        |              |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |         |           | Spec. No.                       | Remarks  |
|---------|--|-----------------------|----------|-----------|----------------------|---------|-----------|---------------------------------|--|
|         |  | Unit of M/ment        | Labour   | Composite | Unit of M/ment       | Labour  | Composite |                                 |  |
| 25      | d) Ramming earhtwork behind retaining walls.   | 1000 Cft.             | 728.65   | --        | cu.m                 | 25.75   | --        | 17.1 (a)<br>*411-5 and<br>202-3 | The rate also includes hire charges of machinery, cost of fuel, lubricant, pay of driver and cleaner, etc. |
|         | Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete:                                  |                       |          |           |                      |         |           |                                 |  |
|         | i) 95% to 100% maximum modified AASHO dry density.   | 1000 Cft.             | --       | 895.00    | cu.m                 | -       | 31.60     |                                 |  |
|         | ii) 90% maximum modified AASHO dry density.  | 1000 Cft.             | --       | 780.70    | cu.m                 | -       | 27.55     |                                 |  |
|         | iii) 85% maximum modified AASHO dry density.   | 1000 Cft.             | --       | 666.40    | cu.m                 | -       | 23.55     |                                 |  |
| 26      | Extra for wet earthwork.   | 1000 Cft.             | 1,275.10 | --        | cu.m                 | 45.05   | -         | 17.1 to 17.5                    | That will support a man's weight.  |
| 27      | Extra for slush or Daldal including dewatering.  | 1000 Cft.             | 2,914.55 | --        | cu.m                 | 102.95  | -         | 17.1 to 17.5                    | That will not support a man's weight.  |
| 28      | Extra for puddling.  | 1000 Cft.             | 2,284.90 | --        | cu.m                 | 80.70   | -         | ditto                           |  |
| 29      | Earthwork on small rain water drains, along canal banks, roads and plantation drains, dressed, etc. complete.  | 100 Rft.              | 346.10   | --        | Metre                | 11.35   | -         | ditto                           |  |
| 30      | Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead upto 50 ft.( 15 m).  | 1000 Cft.             | 3,278.90 | --        | cu.m                 | 115.80  | --        | 17.1 to 17.5                    |  |
| 31      | Dag bailing 3" (75 mm) deep.   | Per mile              | 1,366.05 | --        | Per Km               | 849.00  | --        | ditto                           | Dag bailing for layout of borrow pit, to be done by contractors at their own cost.                         |
| 32      | Turfing slopes of banks or lawns with grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days). | 100Sft.               | 607.20   | --        | sq.m                 | 65.35   | --        | ditto                           |  |
| 33      | Berm cutting:-   |                       |          |           |                      |         |           | 17.1 to 17.5                    |  |
|         | a) lead upto a single throw of Kassi, phaora or shovel (without dressing).   | 1000 Cft.             | 1,639.45 | --        | cu.m                 | 57.90   | --        |                                 |  |
|         | b) upto 50 ft(15 m)lead (including dressing).  | 1000 Cft.             | 2,919.85 | --        | cu.m                 | 103.15  | --        |                                 |  |
| 34      | Berm trimming both sides of channels:-   |                       |          |           |                      |         |           | 17.1 to 17.5                    |  |
|         | a) upto 3½ ft. (1.06 m) depth.   | Per Mile              | 4,259.20 | --        | Per Km.              | 2662.00 | --        |                                 |  |
|         | b) exceeding 3½ ft. to 5 ft. (1.06 to 1.5 m) depth.  | Per Mile              | 5,934.30 | --        | Per Km.              | 3708.95 | --        |                                 |  |
|         | c) exceeding 5 ft. to 8 ft. (1.5 to 2.4 m) depth   | Per Mile              | 9,278.30 | --        | Per Km.              | 5798.95 | --        |                                 |  |
| 35      | Ploughing and levelling borrowpits.  |                       |          |           |                      |         |           | ditto                           | Area ploughed to be measured.  |
|         | i) upto 3 ft. (0.9 m) depth.   | Per Acre              | 910.80   | --        | Per Hect.            | 2250.65 | --        |                                 |  |
|         | ii) above 3 ft. (0.9 m) depth.   | Per Acre              | 1,821.60 | --        | Per Hect.            | 4501.25 | --        |                                 |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No.                     | Remarks  |
|---------|--|-----------------------|----------|-----------|----------------------|--------|-----------|-------------------------------|--|
|         |  | Unit of M/ment        | Labour   | Composite | Unit of M/ment       | Labour | Composite |                               |  |
| 36      | Making boundary or service roads, including dag-belling, levelling and dressing:   |                       |          |           |                      |        |           | ditto                         |  |
|         | i) in unploughed land:   |                       |          |           |                      |        |           |                               |  |
|         | a) from 10.0 ft. to 20.0 ft. (3 to 6 m) wide.  | Per Chain             | 457.60   | --        | Metre                | 15.00  | --        |                               |  |
|         | b) from 20.1 ft. to 40.0 ft. (6.10 to 12 m) wide.  | Per Chain             | 611.60   | --        | Metre                | 20.05  | --        |                               |  |
|         | ii) in ploughed land:  |                       |          |           |                      |        |           |                               |  |
|         | a) from 10.0 ft. to 20.0 ft. (3 to 6 m) wide.  | Per Chain             | 471.95   | --        | Metre                | 15.50  | --        |                               |  |
|         | b) from 20.1 ft. to 40.0 ft. (6.10 to 12 m) wide.  | Per Chain             | 625.95   | --        | Metre                | 20.55  | --        |                               |  |
| 37      | Earthwork by boats, including hire of boats:-  |                       |          |           |                      |        |           | 17.1 to 17.5                  | For ordinary soil.   |
|         | i) Digging and loading into boats, upto 50 ft. (15 m) lead.  | 1000 Cft.             | 2,732.40 | --        | cu.m                 | 96.50  | --        |                               |  |
|         | ii) Carriage by boats upto 10 chains (300 m).  | 1000 Cft.             | 682.60   | --        | cu.m                 | 24.10  | --        |                               |  |
|         | iii) Extra for every additional one chain (30 m) or part thereof beyond 10 chains (300 m).   | 1000 Cft.             | 72.85    | --        | cu.m                 | 2.55   | --        |                               |  |
|         | iv) Unloading earth from boats.  | 1000 Cft.             | 1,275.10 | --        | cu.m                 | 45.05  | --        |                               |  |
| 38      | Unloading earth from B.G. trucks and clearing 5 ft. (1.5 m) from rail.   | 1000 Cft.             | 1,092.95 | --        | cu.m                 | 38.60  | --        | 17.1 to 17.5                  |  |
| 39      | Earthwork by tramway, digging and loading in trucks, upto 50 ft. (15 m) lead.  | 1000 Cft.             | 2,550.25 | --        | cu.m                 | 90.10  | --        | 17.1 to 17.5                  |  |
| 40      | Unloading earth from B.G. trucks and spreading upto 15 ft. (4.5 m) from rail.  | 1000 Cft.             | 2,049.30 | --        | cu.m                 | 72.40  | --        | ditto                         |  |
| 41      | Supplying clean and screened river or pit sand within 5 chains (150 m).  | 100Cft.               | 353.55   | 375.55    | cu.m                 | 124.85 | 132.65    | ditto                         | The rate incudes:-<br>i) removal of top crust of earth over burden<br>ii) royalty to the government or cost to the private owner.              |
| 42      | Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- |                       |          |           |                      |        |           | 17.1 to 17.5<br>**13.1 & 13.4 | The rate does not include back filling after laying of sewer, which is payable separately.   |
|         | i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth  | 1000 Cft.             | 2,966.40 | 3,316.60  | cu.m                 | 104.75 | 117.15    |                               | If the timbering and shuttering is not actually done at site, the composite rate may be reduced by Rs. 368.20, 579.60 and 579.60 respectively. |
|         | ii) 7-01 ft. to 15.0 ft. (2.15 to 4.5 m) depth   | 1000 Cft.             | 5,037.00 | 5,556.25  | cu.m                 | 177.90 | 196.25    |                               |  |
|         | iii) above 15.0 ft. (4.5 m) depth  | 1000 Cft.             | 6,494.25 | 7,013.50  | cu.m                 | 229.40 | 247.70    |                               |  |
| 43      | Earthwork excavation of trenches in open cutting for sewers and manhole chambers, etc. below sub-soil water level t  |                       |          |           |                      |        |           | 17.1 to 17.5<br>**13.3 &      | The rate does not include back filling after laying of sewer, which is payable   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |          |           | Rate (Metric System) |         |           | Spec. No.             | Remarks  |
|---------|---|-----------------------|----------|-----------|----------------------|---------|-----------|-----------------------|--|
|         |   | Unit of M/ment        | Labour   | Composite | Unit of M/ment       | Labour  | Composite |                       |  |
|         | correct section and dimensions according to templates and levels, including shoring, timbering and shuttering of M.S. sheets on both sides of the trenches:   |                       |          |           |                      |         |           | 13.5                  | separately.  |
|         | i) 0 ft. to 4.0 ft. (0 to 1.20 m) depth below SSWL.   | 1000 Cft.             | 4,095.30 | 6,582.90  | cu.m                 | 144.65  | 232.50    |                       |  |
|         | ii) 4.01 ft. to 8.0 ft. (1.22 to 2.4 m) depth below SSWL.   | 1000 Cft.             | 5,119.65 | 8,359.65  | cu.m                 | 180.85  | 295.25    |                       |  |
|         | iii) Exceeding 8 ft. (2.4 m) depth below SSWL.  | 1000 Cft.             | 7,679.50 | 11,201.10 | cu.m                 | 271.25  | 395.60    |                       |  |
| 44      | Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. | 1000 Cft.             | 2,735.05 | --        | cu.m                 | 96.60   | --        | 17.1 to 17.5<br>**8.1 | The rate does not include back filling after laying of pipe line, which is payable separately. |
| 45      | Cutting and removing trees within a distance of 100 ft. (30 m)  |                       |          |           |                      |         |           |                       |  |
|         | a) upto 2½ ft. (760 mm) girth.  | Each                  | 543.50   | --        | Each                 | 543.50  |           |                       |  |
|         | b) above 2½ ft. to 6 ft. (760 to 1800 mm) girth.  | Each                  | 1,057.65 | --        | Each                 | 1057.65 |           |                       |  |
| 46      | Uprooting stump and removing within 100 ft. (30 m) from 2 ft. to 6 ft. (600 to 1800 mm) girth.  | Each                  | 683.10   | --        | Each                 | 683.10  |           |                       |  |
| 47      | Jungle clearance and removing within 100 ft. (30 m).  |                       |          |           |                      |         |           |                       |  |
|         | a) light  | 1000 Sft.             | 91.10    | --        | sq.m                 | 1.00    | --        |                       |  |
|         | b) thick  | 1000 Sft.             | 182.15   | --        | sq.m                 | 1.95    | --        |                       |  |
| 48      | Uprooting Sarkanda growth and disposal within 100 ft. (30 m)  | 100Sft.               | 43.70    | --        | sq.m                 | 4.70    | --        |                       |  |
| 49      | Ploughing 3 times.  | Per Acre              | 370.00   | --        | Per Hect.            | 914.30  | --        |                       |  |
| 50      | Levelling, dressing and making lawns.   | 100Sft.               | 182.15   | --        | sq.m                 | 19.60   | --        |                       |  |
| 51      | Turfing lawns (excluding cost of turf).   | 100Sft.               | 154.00   | --        | sq.m                 | 16.55   | --        |                       |  |
| 52      | Earthwork in excavation of drains, irrigation channels through excavator / drag lines in all kind of soil and conditions(dry,wet slush,daldal and under water) including its disposal and preparation of working pad for operation of machinery. (Rates includes 100 ft lead)           | 1000 Cft.             | --       | 2000.00   | cu.m                 | --      | 70.65     |                       |  |

\* Specification number correspond to Book of "Specification for Road & Bridge Construction, 1971".

\*\* Specification number correspond to Book of "Building & Roads Department Specification Vol. II, 1966 (Public Health Works).



## 4. DISMANTLING (DEMOLITION)

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 The rates for dismantling roofs or upper storey floor, include the dismantling of all materials, except roof supports such as beams and trusses.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|--|-----------------------|----------|-----------|----------------------|--------|-----------|--|---------|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |  |         |
|         | <b><u>Stone Work</u></b>   |                       |          |           |                      |        |           |  |         |
| 1       | Dismantling dry stone masonry.                                     | 100Cft.               | 309.65   |           | cu.m                 | 109.35 | 18.1      |  |         |
| 2       | Dismantling stone masonry in mud mortar.                           | 100Cft.               | 455.40   |           | cu.m                 | 160.85 | ditto     |  |         |
| 3       | Dismantling stone masonry in lime or cement mortar.                | 100Cft.               | 1,092.95 |           | cu.m                 | 386.05 | ditto     | Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively.                                  |         |
| 4       | a) Dismantling dry stone or spawl pitching.                        | 100Cft.               | 546.50   |           | cu.m                 | 193.00 | ditto     |  |         |
|         | b) Dismantling stone or spawl pitching (mud grouted).              | 100Cft.               | 692.20   |           | cu.m                 | 244.50 | ditto     |  |         |
| 5       | Dismantling stone or spawl pitching and apron in silted condition. | 100Cft.               | 910.80   |           | cu.m                 | 321.70 | ditto     |  |         |
| 6       | Dismantling stone pitching, cement or lime grouted.                | 100Cft.               | 1,457.30 |           | cu.m                 | 514.70 | ditto     |  |         |
| 7       | Dismantling stone in crates:                                       |                       |          |           |                      |        |           |  |         |
|         | a) wooden crates   | 100Cft.               | 728.65   |           | cu.m                 | 257.35 |           |  |         |
|         | b) wire crates   | ditto                 | 910.80   |           | ditto                | 321.70 |           |  |         |
| 8       | Dismantling stone ware drain including base concrete.              | 100Cft.               | 510.05   |           | cu.m                 | 180.15 | ditto     |  |         |
|         | <b><u>Brick Work</u></b>   |                       |          |           |                      |        |           |  |         |
| 9       | Dismantling mud/pise walling.                                      | 100Cft.               | 182.15   |           | cu.m                 | 64.35  | 18.1      |  |         |
| 10      | Dismantling sun dried brick masonry.                               | 100Cft.               | 455.40   |           | cu.m                 | 160.85 | ditto     |  |         |
| 11      | Dismantling dry brick masonry.                                     | 100Cft.               | 309.65   |           | cu.m                 | 109.35 | ditto     |  |         |
| 12      | Dismantling brick work in mud mortar.                              | 100Cft.               | 637.55   |           | cu.m                 | 225.20 | 18.1      | Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No. 12, 13, 14 & 15. |         |
| 13      | Dismantling brick work in lime or cement mortar.                   | 100Cft.               | 1,548.35 |           | cu.m                 | 546.90 | ditto     |  |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |         |           | Spec. No. | Remarks   |
|---------|--|-----------------------|----------|-----------|----------------------|---------|-----------|-----------|---|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour  | Composite |           |   |
| 14      | Dismantling cement block masonry.  | 100Cft.               | 1,366.20 |           | cu.m                 | 482.55  |           | ditto     |   |
| 15      | Dismantling Dhajji walling.  | 100Cft.               | 364.30   |           | cu.m                 | 128.65  |           | ditto     |   |
|         | <b><u>Concrete</u></b>   |                       |          |           |                      |         |           |           |   |
| 16      | Dismantling mud concrete.  | 100Cft.               | 728.65   |           | cu.m                 | 257.35  |           | ditto     |   |
| 17      | Dismantling lime concrete.   | 100Cft.               | 1,001.90 |           | cu.m                 | 353.85  |           |           | Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No. 17, 19 & 20.      |
| 18      | Dismantling lime or cement concrete, under water.  | 100Cft.               | 3,825.35 |           | cu.m                 | 1351.10 |           |           |   |
| 19      | a) Dismantling cement concrete plain 1:4:8.  | 100Cft.               | 2,003.75 |           | cu.m                 | 707.75  |           | ditto     |   |
|         | b) Dismantling cement concrete plain 1:3:6.  | ditto                 | 3,278.90 |           | ditto                | 1158.10 |           |           |   |
|         | c) Dismantling cement concrete 1:2:4 plain.  | ditto                 | 4,007.50 |           | ditto                | 1415.45 |           |           |   |
|         | d) Dismantling cement concrete with brick aggregate.   | ditto                 | 1,092.95 |           | ditto                | 386.05  |           |           |   |
|         | e) Dismantling D.P.C. of cement concrete 1½" thick (40 mm) and clearing the site.                                    | ditto                 | 546.50   |           | ditto                | 193.00  |           |           |   |
| 20      | Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same. | 100Cft.               | 6,557.75 |           | cu.m                 | 2316.20 |           | ditto     |   |
|         | <b><u>Roofing</u></b>  |                       |          |           |                      |         |           |           |   |
| 21      | Dismantling sirki sarkanda or thatched roofing, supported on battens or ballies.                                     | 100Sft.               | 218.60   |           | sq.m                 | 23.50   |           | 18.1      |   |
| 22      | a) Dismantling 1st class tile roofing.   | 100Sft.               | 546.50   |           | sq.m                 | 58.80   |           |           | Add extra 13%, 32 and 51% on labour rate only for 2nd, 3rd, 4th and subsequent floors respectively against items No. 22, 25, 26 and 28. |
|         | b) Dismantling 2nd class tile roofing.   | 100Sft.               | 455.40   |           | sq.m                 | 49.00   |           | ditto     |   |
| 23      | Dismantling from any height, asbestos sheets and ridge coping.   | 100Sft.               | 299.65   |           | sq.m                 | 32.25   |           | 18.1      |   |
| 24      | a) Dismantling roof of wooden planks and battens, from any height.   | 100Sft.               | 239.7    |           | sq.m                 | 25.8    |           | ditto     |   |
|         | b) Dismantling wooden ceiling above 20' (6.0 m) height   | 100Sft.               | 937.75   |           | sq.m                 | 100.90  |           | ditto     |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | in difficult position, including lifting with care and special scaffolding along live electric wires and with machines underneath.   |                       |        |           |                      |        |           |           |         |
| 25      | Dismantling jack arch roofing, including removal of joists.  | 100Sft.               | 728.65 |           | sq.m                 | 78.40  |           | ditto     |         |
| 26      | Dismantling R.B. roof complete with mud and plaster, including separating reinforcement, cleaning and straightening the same.  | 100Sft.               | 910.80 |           | sq.m                 | 98.00  |           | ditto     |         |
| 27      | a) Stripping and stacking slate or tiles from the truss roofing.   | 100Sft.               | 455.40 |           | sq.m                 | 49.00  |           |           |         |
|         | b) Stripping and stacking C.I. sheet roof.   | ditto                 | 420.70 |           | ditto                | 45.25  |           |           |         |
|         | c) Extra for dismantling C.I. sheet roof above 20 ft. (6m) in difficult position, including lifting with special scaffolding along live electric wire with machine underneath. | ditto                 | 561.00 |           | ditto                | 60.35  |           |           |         |
| 28      | Dismantling slates or tiles including battens, purlins and planking.   | 100Sft.               | 728.65 |           | sq.m                 | 78.40  |           | 18.1      |         |
|         | <b><u>Flooring</u></b>   |                       |        |           |                      |        |           |           |         |
| 29      | Dismantling brick or flagged flooring without concrete foundation.   | 100Sft.               | 309.65 |           | sq.m                 | 33.30  |           | 18.1      |         |
| 30      | Dismantling plank or wooden block flooring, etc.   | 100Sft.               | 455.40 |           | sq.m                 | 49.00  |           | ditto     |         |
| 31      | Disjoining R.C.C. pipes inside the trench and dismantling and removing the pipes from the trench and stacking them outside:-   |                       |        |           |                      |        |           |           |         |
|         | a) 6" to 12" (150 to 300 mm) diameter  | Per Lft               | 12.00  |           | Metre                | 39.35  |           |           |         |
|         | b) 13" to 24" (325 to 600 mm) diameter   | Per Lft               | 19.25  |           | Metre                | 63.15  |           |           |         |
|         | c) 25" to 36" (625 to 900 mm) diameter   | ditto                 | 22.55  |           | ditto                | 73.95  |           |           |         |
|         | d) Above 36" (Above 900 mm) diameter   | ditto                 | 32.10  |           | ditto                | 105.30 |           |           |         |
|         | <b><u>WOOD WORK</u></b>  |                       |        |           |                      |        |           |           |         |
| 32      | a) Removing door with chowkat.   | Per No.               | 156.40 |           | Per No.              | 156.40 |           | 18.1      |         |
|         | b) Removing windows and sky lights with chowkat.   | ditto                 | 121.90 |           | ditto                | 121.90 |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |         |           | Spec. No. | Remarks   |
|---------|--|-----------------------|----------|-----------|----------------------|---------|-----------|-----------|---|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour  | Composite |           |   |
| 33      | Removing ventilators and wooden sunshade, etc.   | Per No.               | 63.90    |           | Per No.              | 63.90   |           | ditto     |   |
| 34      | a) Dismantling wooden beams upto 12' (3.65m) length.   | Per No.               | 113.85   |           | Per No.              | 113.85  |           | ditto     |   |
|         | b) Dismantling wooden beams from 12.1' to 23' (3.65 to 7.0 m) length.  | ditto                 | 182.15   |           | ditto                | 182.15  |           |           |   |
| 35      | a) Dismantling wooden partition Jaffry work etc.   | 100Sft.               | 214.05   |           | sq.m                 | 23.05   |           | ditto     |   |
|         | b) Dismantling wooden trusses.   | 100Kg                 | 645.80   |           | % Kg                 | 645.80  |           |           |   |
| 36      | Dismantling wooden palisade fencing.   | Per Lft.              | 17.40    |           | Metre                | 57.05   |           | ditto     |   |
|         | <b><u>Iron work</u></b>  |                       |          |           |                      |         |           |           |   |
| 37      | Dismantling iron work of trusses, sheds, water tanks, etc. excluding cutting of rivets.                          | 100Kg                 | 640.90   |           | % Kg                 | 640.90  |           | 18.1      | Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against items No. 37 and 38. |
| 38      | Dismantling rolled steel beams or iron rails, etc.   | 100Kg                 | 298.95   |           | % Kg                 | 298.95  |           | ditto     |   |
| 39      | Dismantling iron latrine.  | Per Unit/<br>2 Seats  | 690.35   |           | Per Unit/<br>2 Seats | 690.35  |           | ditto     |   |
| 40      | Dismantling tees, bends or sluice valves upto 12" (300 mm) bore.   | Each per<br>inch bore | 14.50    |           | Each per<br>cm bore  | 5.80    |           | ditto     |   |
| 41      | a) Dismantling B.G. water column.  | Each                  | 4,524.30 |           | Each                 | 4524.30 |           | ditto     |   |
|         | b) Dismantling M.G. or N.G. water column.  | Each                  | 3,011.25 |           | Each                 | 3011.25 |           | ditto     |   |
| 42      | Dismantling all type of wire fencing, including rolling wire into bundles and collecting material.               | 100Lft.               | 309.65   |           | Metre                | 10.15   |           | 18.1      |   |
|         | <b><u>Miscellaneous</u></b>  |                       |          |           |                      |         |           |           |   |
| 43      | Dismantling wire netting of tennis courts and frame work.  | 100Sft.               | 145.75   |           | sq.m                 | 15.70   |           | 18.1      |   |
| 44      | Dismantling cloth ceiling and supporting timber.   | 100Sft.               | 273.25   |           | sq.m                 | 29.40   |           | ditto     |   |
| 45      | Dismantling and removing road metalling.   | 100Cft.               | 728.65   |           | cu.m                 | 257.35  |           | ditto     |   |
| 46      | Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead | 100Cft.               | 972.75   |           | cu.m                 | 343.60  |           | ditto     |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|---|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|--|
|         |   | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |  |
|         | (30 metre).   |                       |          |           |                      |        |           |           |  |
| 47      | Removing mud plaster from walls.  | 100Sft.               | 75.90    |           | sq.m                 | 8.15   |           | ditto     | Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors against item No. 47, 48, 49, & 50 respectively |
| 48      | Removing cement or lime plaster.  | 100Sft.               | 151.80   |           | sq.m                 | 16.35  |           | ditto     |  |
| 49      | Scraping:-  |                       |          |           |                      |        |           | 18.1      |  |
|         | a) White wash or colour wash.   | 100Sft.               | 91.10    |           | sq.m                 | 9.80   |           |           |  |
|         | b) Ordinary distemper, oil bound distemper, or paint of wall.   | ditto                 | 273.25   |           | ditto                | 29.40  |           |           |  |
| 50      | Dismantling glazed or encaustic tiles, etc.   | 100Sft.               | 834.25   |           | sq.m                 | 89.75  |           | 18.1      |  |
| 51      | Scraping boulders.  | 100Cft.               | 1,275.10 |           | cu.m                 | 450.35 |           | 18.1      |  |
| 52      | Cleaning lime or cement mortar of old stones to be used in masonry.   | 100Cft.               | 637.55   |           | cu.m                 | 225.20 |           | 18.1      |  |
|         | <b><u>Electric Wiring</u></b>   |                       |          |           |                      |        |           |           |  |
| 53      | Dismantling light, fan and call bell point including casing and capping/strip open type, and making good damaged surface (building portion).          | Per point             | 27.15    | 27.55     | Per point            | 27.15  |           | 27.55     |  |
| 54      | Dismantling plug point and making good damaged surface (building portion).  | Per point             | 23.30    | 23.60     | Per point            | 23.30  |           | 23.60     |  |
| 55      | Dismantling G.I./M.S. conduit/G.I. flexible/PVC pipes or conduit wiring, etc. of all sizes including making good damaged surface (building portion):- |                       |          |           |                      |        |           |           |  |
|         | i) on surface   | Per foot              | 4.95     | 5.05      | P.Mtr                | 16.25  |           | 16.55     |  |
|         | ii) recessed in wall  | Per foot              | 10.60    | 10.70     | P.Mtr                | 34.75  |           | 35.10     |  |

## 5. MORTAR

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| S. No. | Ratio of Mortar      | Dry Material Required for<br>100 Cft. Wet (Ready) Mortar |                       |              | Dry Material Required for<br>One Cum Wet (Ready) Mortar |                      |              |
|--------|----------------------|--|-----------------------|--------------|---|----------------------|--------------|
|        |                      | Cement<br>(50 Kg)<br>Bag                                 | Lime<br>Putty<br>Cft. | Sand<br>Cft. | Cement<br>(50 Kg.)<br>Bag.                              | Lime<br>Putty<br>Cum | Sand<br>Cum. |
| 1      | 2                    | 3  | 4                     | 5            | 6   | 7                    | 8            |
| 1      | Cement : Sand        |  |                       |              |   |                      |              |
|        | 1 : 2                | 33.48  |                       | 82           | 11.83   |                      | 0.82         |
|        | 1 : 3                | 23.11  |                       | 85           | 8.16  |                      | 0.85         |
|        | 1 : 4                | 18.37  |                       | 90           | 6.49  |                      | 0.90         |
|        | 1 : 5                | 14.70  |                       | 90           | 5.19  |                      | 0.90         |
|        | 1 : 6                | 13.61  |                       | 100          | 4.81  |                      | 1.00         |
|        | 1 : 7                | 11.68  |                       | 100          | 4.12  |                      | 1.00         |
|        | 1 : 8                | 10.21  |                       | 100          | 3.61  |                      | 1.00         |
| 2      | Cement : Lime : Sand |  |                       |              |   |                      |              |
|        | 1 : 1 : 6            | 12.25  | 15.0                  | 90           | 4.33  | 0.15                 | 0.90         |
|        | 1 : 1 : 7            | 10.70  | 13.1                  | 92           | 3.78  | 0.13                 | 0.92         |
|        | 1 : 1 : 8            | 9.39   | 11.5                  | 92           | 3.32  | 0.12                 | 0.92         |
|        | 1 : 1 : 9            | 8.52   | 10.44                 | 94           | 3.00  | 0.10                 | 0.94         |
|        | 1 : 1 : 10           | 7.67   | 9.4                   | 94           | 2.71  | 0.09                 | 0.94         |
|        | 1 : 2 : 8            | 9.19   | 22.5                  | 90           | 3.25  | 0.23                 | 0.90         |
|        | 1 : 2 : 9            | 8.16   | 20.0                  | 90           | 2.88  | 0.20                 | 0.90         |
|        | 1 : 2 : 10           | 7.67   | 18.8                  | 94           | 2.71  | 0.19                 | 0.94         |
|        | 1 : 2 : 12           | 6.39   | 15.66                 | 94           | 2.26  | 0.16                 | 0.94         |
|        | 1 : 3 : 12           | 6.26   | 23.0                  | 92           | 2.21  | 0.23                 | 0.92         |
|        | 1 : 3 : 14           | 5.47   | 20.1                  | 94           | 1.93  | 0.20                 | 0.94         |
|        | 1 : 3 : 16           | 4.82   | 17.7                  | 94           | 1.70  | 0.18                 | 0.94         |
|        | 1 : ¼ : 3            | 23.11  | 7.0                   | 85           | 8.16  | 0.07                 | 0.85         |
|        | 3                    | Lime : Sand  |                       |              |   |                      |              |
| 1 : 2  |                      |  | 43                    | 86           |   | 0.43                 | 0.86         |
| 1 : 3  |                      |  | 31                    | 93           |   | 0.31                 | 0.93         |

# 5. MORTAR

## MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| S. No. | Ratio of Mortar      | Dry Material Required for 100 Cft. Wet (Ready) Mortar |              |      |        |        | Dry Material Required for one M <sup>3</sup> Wet (Ready) Mortar |                |                |                |                |  |
|--------|----------------------|---|--------------|------|--------|--------|---|----------------|----------------|----------------|----------------|--|
|        |                      | Clay  | Lime (Putty) | Sand | Surkhi | Cinder | Clay  | Lime (Putty)   | Sand           | Surkhi         | Cinder         |  |
|        |                      | Cft.  | Cft.         | Cft. | Cft.   | Cft.   | M <sup>3</sup>  | M <sup>3</sup> | M <sup>3</sup> | M <sup>3</sup> | M <sup>3</sup> |  |
| 1      | 2                    | 3   | 4            | 5    | 6      | 7      | 3   | 4              | 5              | 6              | 7              |  |
| 4      | Mud                  | 135   |              |      |        |        | 1.35  |                |                |                |                |  |
| 5      | Lime : Surkhi        |   |              |      |        |        |   |                |                |                |                |  |
|        | 2 : 3                |   | 49.00        | -    | 73.5   |        | -   | 0.49           | -              | 0.74           | -              |  |
|        | 1 : 2                |   | 40.75        | -    | 81.5   |        | -   | 0.41           | -              | 0.82           | -              |  |
|        | 1 : 3                |   | 30.30        | -    | 91.0   |        | -   | 0.30           | -              | 0.91           | -              |  |
| 6      | Lime : Sand : Surkhi |   |              |      |        |        |   |                |                |                |                |  |
|        | 1 : 1 : 1            |   | 40.50        | 40.5 | 40.5   |        | -   | 0.41           | 0.41           | 0.41           |                |  |
| 7      | Lime : Cinder        |   |              |      |        |        |   |                |                |                |                |  |
|        | 1 : 1                |   | 57.0         | -    | 57.0   |        | -   | 0.57           | -              | -              | 0.57           |  |

Wet material required for 100 Cft. masonry (including wastage):

Wet material required for 1M<sup>3</sup> (35.32 Cft) masonry ( including wastage) :

**1 Brick Masonry :**

|                              |           |                     |
|------------------------------|-----------|---------------------|
| a) Mud Mortar                | 35.00 Cft | 0.35 M <sup>3</sup> |
| b) Cement, Sand              | 25.00 Cft | 0.25 M <sup>3</sup> |
| c) Cement, Lime (Putty) Sand | 25.00 Cft | 0.25 M <sup>3</sup> |
| d) Lime (Putty) Sand         | 25.00 Cft | 0.25 M <sup>3</sup> |

**2 Stone Masonry :**

|  |           |                     |
|--|-----------|---------------------|
| a) Random rubble, uncoursed                  |           |                     |
| i) Foundation and Plinth                     | 45.00 Cft | 0.45 M <sup>3</sup> |
| ii) Superstructure                           | 40.00 Cft | 0.40 M <sup>3</sup> |
| iii) Coursed                                 | 35.00 Cft | 0.35 M <sup>3</sup> |
| b) Ashlar Block in course or Scabbed masonry | 30.00 Cft | 0.30 M <sup>3</sup> |
| c) Ashlar fine masonry                       | 20.00 Cft | 0.20 M <sup>3</sup> |

- Notes :**
- (1) Cement                      1 Cft.            = 40.8233 Kg
  - (2) Unslaked lime            1.7 Cft.        = 37.3242 Kg
  - (3) Slaked lime                2.5 Cft.        = 37.3242 Kg
  - (4) Quick lime                40 Kg            Will yield 2.6 Cft. lime putty.

## 6. CONCRETE

Notes 1 Notes (1) Rates for all finished works include the removal of surplus debris, unused material and by products.

2 If concrete mixer or high frequency vibrator, etc. is supplied by the Government, all charges including depreciation will be recovered from the contractor.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|--|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |  |
| 1       | Mud concrete in foundation including watering and ramming, using brick or stone ballast 1½" (40 mm) gauge. | 100Cft                | 2013.45 | 3693.45   | cu.m                 | 711.15 | 1304.55   | 20.1      | The stone ballast, crushed bajri, round shingle from nallah, or brick ballast may be used according to their comparative cheaper rates in various areas of the Province. |
| 2       | Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.                                       | 100Cft                | 1366.20 | 2884.20   | cu.m                 | 482.55 | 1018.70   |           |  |
| 3       | Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-        |                       |         |           |                      |        |           | 20.1      | -do-   |
|         | (a) Ratio 1: 3: 6  | 100Cft                | 2654.85 | 11215.65  | cu.m                 | 937.70 | 3961.35   |           |  |
|         | (b) Ratio 1: 4: 8  | ditto                 | 2654.85 | 9532.30   | "                    | 937.70 | 3366.80   |           |  |
|         | (c) Ratio 1:5:10   | ditto                 | 2654.85 | 8638.75   | "                    | 937.70 | 3051.20   |           |  |
|         | (d) Ratio 1: 6:12  | ditto                 | 2654.85 | 7964.85   | "                    | 937.70 | 2813.20   |           |  |
|         | (e) Ratio 1: 6: 18   | ditto                 | 2654.85 | 7236.45   | "                    | 937.70 | 2555.90   |           |  |
|         | (f) Ratio 1: 7:20  | ditto                 | 2654.85 | 6915.80   | "                    | 937.70 | 2442.65   |           |  |
| 4       | Extra on item No. 3 above, for sedimentation tank or filter beds of Public Health Engineering Works:       |                       |         |           |                      |        |           |           |  |
|         | (a) in bed   | 100Cft                | 854.05  | -         | cu.m                 | 301.65 | -         |           | The stone ballast, crushed bajri, round shingle from nallah, or brick ballast may be used according to their comparative cheaper rates in various areas of the Province. |
|         | (b) on slope   | ditto                 | 1271.15 | -         | "                    | 448.95 | -         |           |  |
| 5       | Cement concrete plain including placing,   |                       |         |           |                      |        |           | 20.1      |  |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |   |
|         | compacting, finishing and curing complete (including screening and washing of stone aggregate):  |                       |         |           |                      |         |           |           |   |
|         | (a) Ratio 1: 1:2   | 100Cft                | 3597.00 | 23202.60  | cu.m                 | 1270.45 | 8195.15   |           |   |
|         | (b) Ratio 1: 1½: 1½  | ditto                 | 3597.00 | 22710.60  | "                    | 1270.45 | 8021.40   |           |   |
|         | (c) Ratio 1: 1½: 3   | ditto                 | 3597.00 | 18789.00  | "                    | 1270.45 | 6636.30   |           |   |
|         | (d) Ratio 1: 2: 3  | ditto                 | 3597.00 | 17915.40  | "                    | 1270.45 | 6327.70   |           |   |
|         | (e) Ratio 1: 3: 3  | ditto                 | 3597.00 | 15888.85  | "                    | 1270.45 | 5611.95   |           |   |
|         | (f) Ratio 1: 2: 4  | 100Cft                | 3597.00 | 16416.85  | cu.m                 | 1270.45 | 5798.45   |           |   |
|         | (g) Ratio 1: 2: 6  | ditto                 | 3597.00 | 14779.10  | "                    | 1270.45 | 5220.00   |           |   |
|         | (h) Ratio 1: 3: 6  | ditto                 | 3597.00 | 14200.20  | "                    | 1270.45 | 5015.50   |           |   |
|         | (i) Ratio 1: 4: 8  | ditto                 | 3597.00 | 12605.65  | "                    | 1270.45 | 4452.30   |           |   |
| 6       | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- |                       |         |           |                      |         |           | 20.4      | 1) The rate includes rendering floor surface smooth, and the plastering done for making up all surfaces after removing centring.<br><br>2) Plastering done under soffit of R.C.C. roof slab meant for human habitation buildings shall be paid extra.<br><br>3) This item shall not be applicable to factory made units.<br><br>4) Composite rate shall be reduced by Rs: 5/50- P.Cft & Rs:12/- P.Cft if chenab sand and local sand respectively is used. |
|         | (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-  |                       |         |           |                      |         |           |           |   |
|         | (1) Type A (nominal mix 1:1:2)   | Per Cft               | 82.55   | 324.45    | cu.m                 | 2915.65 | 11459.55  |           |   |
|         | (2) Type B (nominal mix 1: 1½: 3)  | ditto                 | 82.55   | 280.55    | "                    | 2915.65 | 9909.05   |           |   |
|         | (3) (c) Type C (nominal mix 1: 2: 4)   | ditto                 | 82.55   | 257.05    | "                    | 2915.65 | 9079.00   |           |   |
|         | (a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in  |                       |         |           |                      |         |           |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.        | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|------------------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |                  |   |
|         | 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-   |                       |         |           |                      |         |           |                  |   |
|         | (1) Type A (nominal mix 1: 1: 2)   | Per Cft               | 48.30   | 260.50    | cu.m                 | 1705.95 | 9200.85   |                  |   |
|         | (2) Type B (nominal mix 1: 1½: 3)  | ditto                 | 48.30   | 211.95    | "                    | 1705.95 | 7486.05   |                  |   |
|         | (3) Type C (nominal mix 1: 2: 4)   | ditto                 | 48.30   | 188.35    | "                    | 1705.95 | 6652.50   |                  |   |
|         | (b) Precast reinforced cement concrete and prestressed reinforced cement concrete in columns, beams, lintels, stair cases, shelves, etc.   |                       |         |           |                      |         |           |                  |   |
|         | (1) Type A (nominal mix 1: 1: 2)   | Per Cft               | 62.05   | 292.45    | cu.m                 | 2191.60 | 10329.35  |                  |   |
|         | (2) Type B (nominal mix 1:1½: 3)   | ditto                 | 62.05   | 248.30    | "                    | 2191.60 | 8769.95   |                  |   |
|         | (3) Type C (nominal mix 1: 2: 4)   | ditto                 | 62.05   | 225.00    | "                    | 2191.60 | 7947.00   |                  |   |
|         | (c) Erecting and fixing in position, precast cement concrete or stone slab in roofs or lintels, etc. lift unto 20 ft., (6m) including all charges.   | Per Cft               | 28.65   | 42.20     | cu.m                 | 1011.90 | 1490.50   |                  |   |
|         | (d) Add extra labour for R.C. concrete in 2nd and subsequent storeys.  | Per Cft               | 13.65   | --        | cu.m                 | 482.10  | -         |                  |   |
| 7       | Providing and casting in situ bored reinforced concrete piles with type C concrete (nominal mix 1: 2: 4) , using 10% extra cement in dry mix, and course sand, including all labour and material (except the cost of steel reinforcement and its labour for bending and laying in position, etc. which will be paid separately, including, screening & washing of shingle and curing:- |                       |         |           |                      |         |           | *851-1 to 851-10 | Composite rate shall be reduced by Rs: 5/50 P.Cft & Rs:12/- P.Cft if chenab sand and local sand respectively is used. |
|         | i) 18 " (450 mm) dia pile  | Per Rft               | 681.50  | 943.55    | Metre                | 2235.30 | 3094.85   |                  |   |
|         | ii) 20" (500 mm) dia pile  | Per Rft               | 765.60  | 1088.85   | Metre                | 2511.15 | 3571.45   |                  |   |
|         | iii) 22" (550 mm) dia pile   | Per Rft               | 900.45  | 1277.65   | Metre                | 2953.5  | 4190.7    |                  |   |
|         | iv) 24" (600 mm) dia pile  | Per Rft               | 1059.60 | 1525.35   | Metre                | 3475.50 | 5003.2    |                  |   |
| 8       | Fabrication of mild steel reinforcement bar cage for R.C.C. bored piles, including cutting, bending, laying in position,   |                       |         |           |                      |         |           | *851-5           | The rate includes wastage, overlaps, etc. but does not apply to the laps and  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.    | Remarks  |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|--------------|--|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |              |  |
|         | welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars):-   |                       |         |           |                      |         |           |              | spiral reinforcement which are specifically shown in the structural / working drawings of piles as per lapping requirements of design. |
|         | (a) plain bars  | Per Cwt.              | 976.80  | 4395.85   | 100 kg               | 1922.85 | 8653.25   |              |  |
|         | (b) deformed bars   | ditto                 | 976.80  | 5953.25   | "                    | 1922.85 | 11719.00  |              |  |
| 9       | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- |                       |         |           |                      |         |           | *851.5       | The rate includes wastage, overlaps and chairs, etc.   |
|         | (a) Plain bars  | Per Cwt.              | 260.70  | 3854.85   | 100 kg               | 513.20  | 7588.30   |              |  |
|         | (b) Deformed bars (Grade-40)  | ditto                 | 260.70  | 5537.85   | ditto                | 513.20  | 10901.30  |              |  |
|         | (c) Deformed bars (Grade-60)  | ditto                 | 260.70  | 5834.85   | ditto                | 513.20  | 11485.90  |              |  |
| 10      | Precast cement concrete solid or face blocks (1:2:4), including cost of templates.  | Per Cft               | 32.95   | 157.25    | cu.m                 | 1163.80 | 5554.05   | 20.2         |  |
| 11      | Precast cement concrete hollow blocks (1: 2: 4) , including cost of templates and constructing walls thereof.   | Per Cft               | 72.75   | 154.60    | cu.m                 | 2569.55 | 5460.45   | 20.2         |  |
| 12      | Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.  | Per Sft               | 20.85   | 41.80     | sq.m                 | 224.35  | 449.75    | 20.1 to 20.4 |  |
| 13      | Extra labour for laying concrete plain or reinforced:   |                       |         |           |                      |         |           |              |  |
|         | (a) above 20' (6 m) upto 40'(12 m) height   | 100Cft                | 1457.30 | -         | cu.m                 | 514.70  | -         |              |  |
|         | (b) for every additional 10'(3 m) height.   | 100Cft                | 910.80  | -         | cu.m                 | 321.70  | -         |              |  |
| 14      | Extra labour for work of weirs, rail or road bridges, syphons, and concreting in superstructure   | 100Cft                | 364.30  | -         | cu.m                 | 128.65  | -         |              |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.        | Remarks  |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|------------------|--|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |                  |  |
| 15      | Making reinforced cement concrete spout, including fixing in position (2½' x 6" x5") (760 mmx150 mm x 125 mm)  | Each                  | 260.70  | 398.10    | Each                 | 260.70  | 398.10    | 20.4             |  |
| 16      | Making holes upto 3"(75 mm) dia 18"(450 mm) depth in cement concrete or stone masonry walls and repairing.   | Per hole              | 625.70  | -         | Each                 | 625.70  | -         | 20.1             |  |
| 17      | Extra labour for skipping concrete in wells.   | 100Cft                | 2213.20 | -         | cu.m                 | 781.70  | -         | 20.1             |  |
| 18      | Nicking concrete surface:  |                       |         |           |                      |         |           |                  |  |
|         | (a) Cement concrete surface  | 100Sft                | 234.95  | -         | sq.m                 | 25.30   | -         |                  |  |
|         | (b) Lime concrete surface  | ditto                 | 77.55   | -         | "                    | 8.35    | -         |                  |  |
| 19      | Preparing, watering and ramming surface for laying concrete (for Headworks only):-   |                       |         |           |                      |         |           |                  |  |
|         | (a) Horizontal floor   | 100Sft                | 222.65  | -         | sq.m                 | 23.95   | -         |                  |  |
|         | (b) Glacis and crest   | ditto                 | 326.05  | -         | "                    | 35.10   | -         |                  |  |
|         | (c) Inverted filters   | ditto                 | 104.30  | -         | "                    | 11.20   | -         |                  |  |
| 20      | Fabrication of high tensile steel prestressing cables for prestressed (post tensioned) concrete, including assembling by drawing the H.T. wire through metal spacer plate, inserting in helix core and tapping or tying, sheathing in longitudinally welded metal corrugated sheath, positioning , anchorage with male and female set of anchorage cone, forming ducts for transverse cable, stressing cables with jack at both ends as per stressing schedule, maintaining stressing record and supply the same in the approved proforma to the Engineer-in-charge, making loop at blind end, including all materials required for it, grouting the cable ducts with cement, cutting projected ends and making good recesses, etc., complete in all respects. | 100 Kg.               | 3134.70 | 30825.05  | 100 Kg.              | 3134.70 | 30825.05  | *811-1 to 811-11 | The rate includes wastage in cutting and breakage in stressing, etc.   |
| 21      | Fabrication of High Tensile steel reinforcement for prestressed (pretension) concrete work, including inserting wire in moulds, providing M.S. shear bars, spacers and lift hooks, male and  | 100kg                 | 1901.80 | 28592.95  | %kg                  | 1901.80 | 28592.95  |                  | 1) The rate includes wastage in cutting and breakage in stressing,etc. |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.              | Remarks  |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|------------------------|--|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |                        |  |
|         | female anchorage, tie down, struts, stressing cables, maintaining stress record and supply the same in approved proforma to the Engineer-in-charge, cutting wires and projecting ends and making good recesses, etc., complete in all respects. |                       |        |           |                      |        |           |                        | 2) Quantity of H. T. wire will form basis of payment.<br>3) This item shall not be applicable to factory made units. |
| 22      | Lifting, transporting and placing precast prestressed concrete Beam, Girder and other members (excluding battens) etc. in Position on the bridge to correct alignment and level, etc. complete  |                       |        |           |                      |        |           | *811-1<br>to<br>811-11 |  |
|         | i) Beam upto 50 ft. (15 m) length   | 100Cft                |        | 1259.70   | cu.m                 |        | 444.95    |                        |  |
|         | ii) Beam above 50 ft. (15m) upto 75 ft. (22.5m) length  | 100Cft                |        | 1830.71   | cu.m                 |        | 646.60    |                        |  |
|         | iii) Beam above 75ft. (22.5m) upto 100ft. (30m) length  | 100Cft                |        | 2368.20   | cu.m                 |        | 836.45    |                        |  |
|         | iv) Beam above 100ft. (30m) upto 150ft.(45m) length   | 100Cft                |        | 3039.10   | cu.m                 |        | 1073.40   |                        |  |
|         | v) Beam above 150ft. (45m) length   | 100Cft                |        | 3689.65   | cu.m                 |        | 1303.20   |                        |  |
| 23      | Providing and laying foam concrete 3 inch (75 mm) thick, using cement sand in the ratio of 1:2 and aluminium powder at the rate of 0.2% of the cement, sand mix,  | Per Sft.              | 19.55  | 51.15     | sq.m.                | 210.35 | 550.35    |                        |  |
| 24      | Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I. screw,1.5 in (40 mm) long to cover construction joints vertically:-  |                       |        |           |                      |        |           |                        |  |
|         | i) aluminium sheet 1/16 in(1.5 mm) thick  | Per Rft.              | 10.70  | 85.40     | Metre                | 35.10  | 280.10    |                        |  |
|         | ii) G.I. sheet, 18 SWG  | Per Rft.              | 11.00  | 77.05     | Metre                | 36.10  | 252.70    |                        |  |
| 25      | Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-                 |                       |        |           |                      |        |           |                        |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System)        |        |           | Rate (Metric System)           |        |           | Spec. No. | Remarks                         |
|---------|--|------------------------------|--------|-----------|--------------------------------|--------|-----------|-----------|---------------------------------|
|         |  | Unit                         | Labour | Composite | Unit                           | Labour | Composite |           |                                 |
|         | a) On interior surface (without mastic strip)  | Per Rft.                     | 9.80   | 84.45     | Metre                          | 32.15  | 277.00    |           |                                 |
|         | b) On exterior surface (with mastic strip)   | ditto                        | 9.80   | 87.45     | "                              | 32.15  | 286.85    |           |                                 |
| 26      | Providing and fixing 1/16" (1.5 mm) thick copper flashing on expansion joints complete in all respects.                                      | Per Sft.                     | 10.45  | 95.60     | Sq.m                           | 112.45 | 1028.65   |           |                                 |
| 27      | Providing and fixing 6 in (150 mm). wide G.I. sheet 18SWG. stopper to expansion joint.   | Per Rft.                     | 3.65   | 66.25     | Metre                          | 11.95  | 217.30    |           |                                 |
| 28      | Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects. | Per Rft.                     | 14.70  | 61.50     | Metre                          | 48.20  | 201.65    |           |                                 |
| 29      | Filling expansion joints with bitumen. sand & saw dust in ratio 1:2:2.   | Per Rft<br>per inch<br>width | 2.30   | 19.70     | P.Metre/<br>Per 25 mm<br>Width | 7.55   | 64.60     |           |                                 |
| 30      | Filling expansion joints with bitumen.   | Per Rft.                     | 30.05  | -         | Metre                          | 98.55  | -         |           |                                 |
| 31      | Laying asphaltic mixture in expansion joints.  | Per Rft.                     | 31.90  | -         | Metre                          | 104.65 | -         |           | Material to be paid on actuals. |
| 32      | Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints:  |                              |        |           |                                |        |           |           |                                 |
|         | a) 1" (25 mm) thick thermopore sheet   | Per Sft.                     | 4.15   | 9.10      | Sq.m                           | 44.65  | 97.90     |           |                                 |
|         | b) 1½" (40 mm) thick thermopore sheet  | ditto                        | 4.15   | 13.30     | "                              | 44.65  | 143.10    |           |                                 |
| 33      | Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating :-               |                              |        |           |                                |        |           |           |                                 |
|         | (a) with one coat bitumen and one coat polythene sheet<br>500gauge   |                              |        |           |                                |        |           |           |                                 |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | i) 1½" thick (40 mm)  | 100Sft                | 938.75 | 3840.95   | sq.m                 | 101.00 | 413.30    |           |         |
|         | ii) 2" thick (50 mm)  | 100Sft                | 938.75 | 4309.20   | sq.m                 | 101.00 | 463.65    |           |         |
|         | iii) 3" thick (75 mm)   | 100Sft                | 977.90 | 5363.85   | sq.m                 | 105.20 | 577.15    |           |         |
|         | (b) with 2 coats of bitumen:  |                       |        |           |                      |        |           |           |         |
|         | i) 1½" thick (40 mm)  | 100Sft                | 938.75 | 4296.40   | sq.m                 | 101.00 | 462.30    |           |         |
|         | ii) 2" thick (50 mm)  | 100Sft                | 938.75 | 4763.90   | sq.m                 | 101.00 | 512.60    |           |         |
|         | iii) 3" thick (75 mm)   | 100Sft                | 977.90 | 5818.55   | sq.m                 | 105.20 | 626.10    |           |         |
| 34      | Providing and laying damp proof course with cement sand plaster and bitumen coating:- |                       |        |           |                      |        |           |           |         |
|         | (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :-             |                       |        |           |                      |        |           |           |         |
|         | i) Ratio 1: 4   |                       |        |           |                      |        |           |           |         |
|         | a) ½" thick (13 mm)   | 100Sft                | 880.00 | 2521.55   | sq.m                 | 94.70  | 271.30    |           |         |
|         | b) ¾" thick (20 mm)   | 100Sft                | 880.00 | 2756.45   | sq.m                 | 94.70  | 296.60    |           |         |
|         | ii) Ratio 1:3   |                       |        |           |                      |        |           |           |         |
|         | a) ½ " thick (13 mm)  | 100Sft                | 880.00 | 2596.45   | sq.m                 | 94.70  | 279.40    |           |         |
|         | b) ¾ " thick (20mm)   | 100Sft                | 880.00 | 2844.95   | sq.m                 | 94.70  | 306.10    |           |         |
|         | iii) Ratio 1:2  |                       |        |           |                      |        |           |           |         |
|         | a) ½ " thick (13 mm)  | 100Sft                | 880.00 | 2679.70   | sq.m                 | 94.70  | 288.35    |           |         |
|         | b) ¾ " thick (20 mm)  | 100Sft                | 880.00 | 3027.00   | sq.m                 | 94.70  | 325.70    |           |         |
|         | (b) with 2 coats of bitumen:-   |                       |        |           |                      |        |           |           |         |
|         | i) Ratio 1: 4   |                       |        |           |                      |        |           |           |         |
|         | a) ½" thick (13 mm)   | 100Sft                | 880.00 | 2815.40   | sq.m                 | 94.70  | 302.95    |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | b) ¾" thick (20 mm)  | 100Sft                | 880.00 | 3050.65   | sq.m                 | 94.70  | 328.25    |           |         |
|         | ii) Ratio 1:3  |                       |        |           |                      |        |           |           |         |
|         | a) ½ " thick (13 mm)   | 100Sft                | 880.00 | 2891.35   | sq.m                 | 94.70  | 311.10    |           |         |
|         | b) ¾ " thick (20 mm)   | 100Sft                | 880.00 | 3139.85   | sq.m                 | 94.70  | 337.85    |           |         |
|         | iii) Ratio 1:2   |                       |        |           |                      |        |           |           |         |
|         | a) ½ " thick (13 mm)   | 100Sft                | 880.00 | 3078.35   | sq.m                 | 94.70  | 331.25    |           |         |
|         | b) ¾ " thick (20 mm)   | 100Sft                | 880.00 | 3449.70   | sq.m                 | 94.70  | 371.20    |           |         |
| 35      | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- |                       |        |           |                      |        |           |           |         |
|         | (a) with one coat of bitumen and one coat of polythene sheet 500 gauge:                        |                       |        |           |                      |        |           |           |         |
|         | i) Ratio 1: 4  |                       |        |           |                      |        |           |           |         |
|         | a) ½" thick (13 mm)  | 100Sft                | 880.00 | 2417.20   | sq.m                 | 94.70  | 260.10    |           |         |
|         | b) ¾" thick (20 mm)  | 100Sft                | 880.00 | 2652.65   | sq.m                 | 94.70  | 285.45    |           |         |
|         | ii) Ratio 1:3  |                       |        |           |                      |        |           |           |         |
|         | a) ½ " thick (13 mm)   | 100Sft                | 880.00 | 2492.65   | sq.m                 | 94.70  | 268.20    |           |         |
|         | b) ¾ " thick (20 mm)   | 100Sft                | 880.00 | 2741.15   | sq.m                 | 94.70  | 294.95    |           |         |
|         | iii) Ratio 1:2   |                       |        |           |                      |        |           |           |         |
|         | a) ½ " thick (13 mm)   | 100Sft                | 880.00 | 2679.70   | sq.m                 | 94.70  | 288.35    |           |         |
|         | b) ¾ " thick (20 mm)   | 100Sft                | 880.00 | 3051.00   | sq.m                 | 94.70  | 328.30    |           |         |
|         | (b) with 2 coats of bitumen:-  |                       |        |           |                      |        |           |           |         |
|         | i) Ratio 1: 4  |                       |        |           |                      |        |           |           |         |
|         | a) ½" thick (13 mm)  | 100Sft                | 880.00 | 2815.30   | sq.m                 | 94.70  | 302.95    |           |         |
|         | b) ¾" thick (20 mm)  | 100Sft                | 880.00 | 3050.65   | sq.m                 | 94.70  | 328.25    |           |         |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.  | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|--|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |  |         |
|         | ii) Ratio 1:3   |                       |         |           |                      |         |           |  |         |
|         | a) ½ " thick (13 mm)  | 100Sft                | 880.00  | 2890.65   | sq.m                 | 94.70   | 311.05    |  |         |
|         | b) ¾ " thick (20 mm)  | 100Sft                | 880.00  | 3139.15   | sq.m                 | 94.70   | 337.75    |  |         |
|         | iii) Ratio 1:2  |                       |         |           |                      |         |           |  |         |
|         | a) ½ " thick (13 mm)  | 100Sft                | 880.00  | 3077.75   | sq.m                 | 94.70   | 331.15    |  |         |
|         | b) ¾ " thick (20 mm)  | 100Sft                | 880.00  | 3448.95   | sq.m                 | 94.70   | 371.10    |  |         |
| 36      | Grouting concrete between, the grooves of gates, including shuttering.                            | 100Cft                | 4207.50 | -         | cu.m.                | 1486.10 | -         |  |         |
| 37      | Chiesel dressing concrete surface on sides of grooves.  | 100Sft                | 129.25  | -         | sq.m                 | 13.90   | -         |  |         |
| 38      | Laying and ramming dry ballast or kankar.   | 100Cft                | 1480.05 | -         | cu.m                 | 522.75  | -         |  |         |
| 39      | Hoisting and placing in position R.C.C. shelves.  | per No.               | 46.80   | -         | per No.              | 46.80   | -         |  |         |
| 40      | Breaking brick ballast, screening and stacking:-  |                       |         |           |                      |         |           |  |         |
|         | (a) 2"(50 mm) ring  | 100Cft.               | 1138.50 | -         | cu.m                 | 402.10  | -         |  |         |
|         | (b) 1½ "(40 mm) ring  | ditto                 | 1275.10 | -         | "                    | 450.35  | -         |  |         |
|         | (c) 1" (25 mm) ring   | ditto                 | 1480.05 | -         | "                    | 522.75  | -         |  |         |
|         | (d) Jhama ballast ¾"(20 mm) ring  | ditto                 | 1707.75 | -         | "                    | 603.20  | -         |  |         |
| 41      | Supplying and fixing broken glasses on court yard walls, including 1:3: 6 cement concrete coping. | Per Rft               | 35.50   | 73.40     | metre                | 116.45  | 240.75    |  |         |
| 42      | Crushing stone ballast by machine.  | 100Cft                | 1138.50 | -         | cu.m.                | 402.10  | -         | This does not include the charges for working of crushers, but includes manual labour for carriage of stone to crusher within three chains (90 m) and also stacking the product after crushing within three chains (90 m). |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
| 43      | Breaking stone ballast screened and stacked:-  |                       |         |           |                      |         |           |           |         |
|         | (a) 2" ring (50 mm)  | 100Cft.               | 1275.10 | -         | cu.m.                | 450.35  | -         |           |         |
|         | (b) 1½ " ring (40 mm)  | ditto                 | 1480.05 | -         | "                    | 522.75  | -         |           |         |
|         | (c) 1" ring (25 mm)  | ditto                 | 1707.75 | -         | "                    | 603.20  | -         |           |         |
|         | d) ½ " ring (13 mm)  | ditto                 | 2277.00 | -         | "                    | 804.25  | -         |           |         |
|         | (e) 1/8" to ¼" ring (3 mm to 6 mm)   | ditto                 | 3870.90 | -         | "                    | 1367.20 | -         |           |         |
| 44      | Screening and stacking stone ballast shingle or bajri, etc.                              | 100Cft.               | 364.30  | -         | cu.m.                | 128.65  | -         |           |         |
| 45      | Washing ballast, bajri or shingle.   | 100Cft.               | 364.30  | -         | cu.m.                | 128.65  | -         |           |         |
| 46      | Erecting and carting sun shades of precast R.C. concrete upto 5' x 2½' (1.50 m x 0.76 m) | Each                  | 204.45  | -         | Each                 | 204.45  | -         |           |         |

Specification numbers correspond to book of standard specification of Road and Bridge Construction, "1971"

*Finance Department*

## 7. BRICK WORK

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 The rates apply to all sizes of bricks, including the modular bricks of size 8"x4"x4" (200x100x100 mm) nominal.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No.    | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|--------------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |              |   |
| 1       | Pacca brick work in mud mortar in buildings:                                 |                       |         |           |                      |        |           |              |   |
|         | i) in foundation and plinth  | 100Cft.               | 1847.65 | 11453.65  | cu.m                 | 652.60 | 4045.45   | 21.1         | Masonry of boundary wall to be considered as masonry other than building.               |
|         | ii) in ground floor  | ditto                 | 2446.90 | 12052.90  | ditto                | 864.25 | 4257.10   | 21.4         |   |
|         |  |                       |         |           |                      |        |           |              | The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used. |
| 2       | Add extra labour on item No. 1 for brick work in:-                           |                       |         |           |                      |        |           |              |   |
|         | i) first floor   | 100Cft.               | 481.80  | --        | cu.m                 | 170.15 | -         |              |   |
|         | ii) second floor   | ditto                 | 1081.10 | --        | ditto                | 381.85 | -         |              |   |
|         | iii) third floor   | ditto                 | 1680.35 | --        | ditto                | 593.50 | -         |              |   |
|         | iv) fourth & subsequent floors   | ditto                 | 2696.75 | --        | ditto                | 952.50 | -         |              |   |
| 3       | Pacca brick work in mud mortar other than building:-                         |                       |         |           |                      |        |           |              |   |
|         | i) upto 20 ft. (6.1 m) height  | 100Cft.               | 2519.10 | 12125.10  | cu.m                 | 889.75 | 4282.60   | 21.1 to 21.4 | Same remarks as against item No. 1 above  |
|         | ii) extra labour for every 5 ft. (1.5 m) additional height, or part thereof. | ditto                 | 481.80  | --        | ditto                | 170.15 | -         |              |   |
| 4       | Pacca brick work in foundation and plinth in:-                               |                       |         |           |                      |        |           |              |   |
|         | i) Cement, sand mortar:-   |                       |         |           |                      |        |           |              | ditto<br>Same remarks as against item No. 1 above.                                      |
|         | Ratio 1:2  | 100Cft.               | 2430.25 | 16213.45  | cu.m                 | 858.30 | 5726.60   |              |   |
|         | Ratio 1:3  | ditto                 | 2430.25 | 15206.65  | ditto                | 858.30 | 5371.00   |              |   |
|         | Ratio 1:4  | ditto                 | 2430.25 | 14602.55  | ditto                | 858.30 | 5157.60   |              |   |
|         | Ratio 1:5  | ditto                 | 2430.25 | 14199.85  | ditto                | 858.30 | 5015.40   |              |   |
|         | Ratio 1:6  | ditto                 | 2430.25 | 13897.20  | ditto                | 858.30 | 4908.50   |              |   |
|         | Ratio 1:7  | ditto                 | 2430.25 | 13699.45  | ditto                | 858.30 | 4838.65   |              |   |
|         | Ratio 1:8  | ditto                 | 2430.25 | 13525.20  | ditto                | 858.30 | 4777.10   |              |   |
|         | ii) lime, cement sand mortar:-   |                       |         |           |                      |        |           | 21.1         |   |
|         | Ratio 1:1:6  | 100Cft.               | 2430.25 | 14203.10  | cu.m                 | 858.30 | 5016.55   |              |   |
|         | Ratio 1:1:7  | ditto                 | 2430.25 | 13982.65  | ditto                | 858.30 | 4938.65   |              |   |
|         | Ratio 1:1:8  | ditto                 | 2430.25 | 13804.55  | ditto                | 858.30 | 4875.75   |              |   |
|         | Ratio 1:1:9  | ditto                 | 2430.25 | 13655.05  | ditto                | 858.30 | 4822.95   |              |   |
|         | Ratio 1:1:10   | ditto                 | 2430.25 | 13543.10  | ditto                | 858.30 | 4783.40   |              |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No.      | Description                                       | Rate (British System)   |          |           | Rate (Metric System) |         |           | Spec. No. | Remarks  |  |
|--------------|---|---|----------|-----------|----------------------|---------|-----------|-----------|--|--|
|              |   | Unit  | Labour   | Composite | Unit                 | Labour  | Composite |           |  |  |
| 5            | iii) lime, sand mortar 1:2                        | 100Cft.   | 2430.25  | 13361.15  | cu.m                 | 858.30  | 4719.15   | ditto     | ditto  |  |
|              | Pacca brick work in ground floor:-                |   |          |           |                      |         |           | ditto     | i) The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.<br>ii) Masonry of boundary wall to be considered as masonry other than building.<br><br>The rate of lime mortar also includes grinding of mortar. |  |
|              | i) cement, sand mortar:-                          |   |          |           |                      |         |           |           |  |  |
|              | Ratio 1:2   | 100Cft.   | 3211.65  | 16994.85  | cu.m                 | 1134.35 | 6002.60   |           |  |  |
|              | Ratio 1:3   | ditto   | 3211.65  | 15988.05  | ditto                | 1134.35 | 5647.00   |           |  |  |
|              | Ratio 1:4   | ditto   | 3211.65  | 15384.00  | ditto                | 1134.35 | 5433.65   |           |  |  |
|              | Ratio 1:5   | ditto   | 3211.65  | 14981.25  | ditto                | 1134.35 | 5291.40   |           |  |  |
|              | Ratio 1:6   | ditto   | 3211.65  | 14678.65  | ditto                | 1134.35 | 5184.50   |           |  |  |
|              | Ratio 1:7   | ditto   | 3211.65  | 14480.85  | ditto                | 1134.35 | 5114.65   |           |  |  |
|              | Ratio 1:8   | ditto   | 3211.65  | 14305.45  | ditto                | 1134.35 | 5052.70   |           |  |  |
|              | ii) lime, cement, sand mortar:-                   |   |          |           |                      |         |           |           |  |  |
| Ratio 1:1:6  | 100Cft.   | 3211.65   | 14984.55 | cu.m      | 1134.35              | 5292.55 |           |           |  |  |
| Ratio 1:1:7  | ditto   | 3211.65   | 14766.75 | ditto     | 1134.35              | 5215.60 |           |           |  |  |
| Ratio 1:1:8  | ditto   | 3211.65   | 14586.00 | ditto     | 1134.35              | 5151.80 |           |           |  |  |
| Ratio 1:1:9  | ditto   | 3211.65   | 14436.50 | ditto     | 1134.35              | 5098.95 |           |           |  |  |
| Ratio 1:1:10 | ditto   | 3211.65   | 14324.95 | ditto     | 1134.35              | 5059.55 |           |           |  |  |
| 6            | iii) lime, sand mortar 1:2                        | 100Cft.   | 3211.65  | 14142.60  | cu.m                 | 1134.35 | 4995.15   |           | The rate of lime mortar also includes grinding of mortar.  |  |
|              | Add extra labour on item No. 5 for brickwork in:- |   |          |           |                      |         |           |           |  |  |
|              | i) first floor                                    | 100Cft.   | 481.80   | --        | cu.m                 | 170.15  | -         |           |  |  |
|              | ii) second floor                                  | ditto   | 1081.10  | --        | ditto                | 381.85  | -         |           |  |  |
|              | iii) third floor                                  | ditto   | 1680.35  | --        | ditto                | 593.50  | -         |           |  |  |
|              | iv) fourth & subsequent floors                    | ditto   | 2696.75  | --        | ditto                | 952.50  | -         |           |  |  |
|              | 7   | Pacca brick work other than building upto 10ft. (3 m) height. |          |           |                      |         |           |           | 21.1 to 21.5   | i) The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.<br><br>ii) Workshops, godowns,, bins, house type godowns, reservoirs, filter beds, storage tanks, wells, screening chambers, collecting tanks, manholes etc. are to be treated as masonry other than buildings. |
|              |   | i) cement, sand mortar:-                                      |          |           |                      |         |           |           |  |  |
| Ratio 1:2    |   | 100Cft.   | 2816.90  | 16600.10  | cu.m                 | 994.95  | 5863.15   |           |  |  |
| Ratio 1:3    |   | ditto   | 2816.90  | 15593.30  | ditto                | 994.95  | 5507.55   |           |  |  |
| Ratio 1:4    |   | ditto   | 2816.90  | 14989.20  | ditto                | 994.95  | 5294.20   |           |  |  |
| Ratio 1:5    |   | ditto   | 2816.90  | 14586.50  | ditto                | 994.95  | 5151.95   |           |  |  |
| Ratio 1:6    |   | ditto   | 2816.90  | 14283.85  | ditto                | 994.95  | 5045.05   |           |  |  |
| Ratio 1:7    |   | ditto   | 2816.90  | 14086.10  | ditto                | 994.95  | 4975.20   |           |  |  |
| Ratio 1:8    |   | ditto   | 2816.90  | 13911.85  | ditto                | 994.95  | 4913.65   |           |  |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.    | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|--------------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |              |   |
|         | ii) lime, cement, sand mortar:-  |                       |         |           |                      |         |           |              |   |
|         | Ratio 1:1:6  | 100Cft.               | 2816.90 | 14589.75  | cu.m                 | 994.95  | 5153.10   |              | The rate of lime mortar also includes grinding of mortar.                                 |
|         | Ratio 1:1:7  | ditto                 | 2816.90 | 14369.30  | ditto                | 994.95  | 5075.25   |              |   |
|         | Ratio 1:1:8  | ditto                 | 2816.90 | 14191.20  | ditto                | 994.95  | 5012.35   |              |   |
|         | Ratio 1:1:9  | ditto                 | 2816.90 | 14041.65  | ditto                | 994.95  | 4959.50   |              |   |
|         | Ratio 1:1:10   | ditto                 | 2816.90 | 13929.75  | ditto                | 994.95  | 4920.00   |              |   |
|         | iii) lime, sand mortar 1:2   | 100Cft.               | 2816.90 | 13747.80  | cu.m                 | 994.95  | 4855.70   |              | ditto   |
| 8       | Add extra labour on item No. 7, for every 10ft.(3 m) additional height, or part thereof.   | 100Cft.               | 481.80  | --        | cu.m                 | 170.15  | -         |              |   |
| 9       | Extra labour for arch work in brick masonry, including labour for centring and decentring.   | 100Cft.               | 887.05  | --        | cu.m                 | 313.30  | -         | 21.5         |   |
| 10      | Extra for pacca brick work in steining of wells or any other circular masonry.   | 100Cft.               | 587.40  | 1158.10   | cu.m                 | 207.45  | 409.05    | 21.1 to 21.4 | The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.   |
| 11      | Extra labour for profile and flared walls.   | 100Cft.               | 202.05  | --        | cu.m                 | 71.35   | -         |              |   |
| 12      | Extra labour for pacca brick work in piers and abutment:-  |                       |         |           |                      |         |           |              |   |
|         | i) from 10ft. to 20ft. (3 m to 6 m) height   | 100Cft.               | 238.55  | --        | cu.m                 | 84.25   | -         |              |   |
|         | ii) above 20 ft. (6 m) height.   | 100Cft.               | 481.80  | --        | cu.m                 | 170.15  | -         |              |   |
| 13      | Extra for face work (half brick thick) using special bricks instead of first class bricks.   | 100Cft.               |         | 3255.70   | cu.m                 |         | 1149.90   |              | This item is to be executed only under the written permission of Superintending Engineer. |
| 14      | Reinforced brick work in lintel of openings, laid in 1:3 cement mortar, including all labour, material, forms, moulds, lifting & shuttering, etc, (but excluding cost and labour of steel reinforcement which shall be paid for separately). | Per Cft.              | 80.05   | 213.40    | cu.m                 | 2827.75 | 7537.30   |              |   |
| 15      | Extra for dressing or chamfering bricks for:-  |                       |         |           |                      |         |           |              |   |
|         | a) special architectural bricks  | 100 Nos.              | 1533.65 | -         | % Nos.               | 1533.65 | -         |              |   |
|         | b) all other purposes  | ditto                 | 766.80  | -         | ditto                | 766.80  | -         |              |   |
| 16      | Perforated pacca brick walling half brick thick, in ground floors:-  |                       |         |           |                      |         |           | 21.1 to 21.4 | The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.   |
|         | i) mud mortar  | 100 Sft.              | 1221.65 | 3626.60   | Sqm.                 | 131.45  | 390.20    |              |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No.   | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|---|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |   |         |
|         | ii) cement, sand mortar:-  |                       |         |           |                      |        |           |   |         |
|         | Ratio 1:2  | 100 Sft.              | 1609.50 | 5058.80   | sq.m.                | 173.20 | 544.35    |   |         |
|         | Ratio 1:3  | ditto                 | 1609.50 | 4806.80   | ditto                | 173.20 | 517.20    |   |         |
|         | Ratio 1:4  | ditto                 | 1609.50 | 4656.05   | ditto                | 173.20 | 501.00    |   |         |
|         | Ratio 1:5  | ditto                 | 1609.50 | 4555.40   | ditto                | 173.20 | 490.15    |   |         |
|         | Ratio 1:6  | ditto                 | 1609.50 | 4484.60   | ditto                | 173.20 | 482.55    |   |         |
|         | Ratio 1:7  | ditto                 | 1609.50 | 4429.75   | ditto                | 173.20 | 476.65    |   |         |
|         | Ratio 1:8  | ditto                 | 1609.50 | 4389.35   | ditto                | 173.20 | 472.30    |   |         |
|         | iii) lime, cement sand mortar                                    |                       |         |           |                      |        |           |   |         |
|         | Ratio 1:1:6  | 100Sft.               | 1609.50 | 4556.20   | sq.m                 | 173.20 | 490.25    | The rate of lime mortar also includes grinding of mortar.   |         |
|         | Ratio 1:1:7  | 100Sft.               | 1609.50 | 4500.35   | sq.m                 | 173.20 | 484.25    |   |         |
|         | Ratio 1:1:8  | 100Sft.               | 1609.50 | 4459.25   | sq.m                 | 173.20 | 479.80    |   |         |
|         | Ratio 1:1:9  | 100Sft.               | 1609.50 | 4418.55   | sq.m                 | 173.20 | 475.45    |   |         |
|         | Ratio 1:1:10   | 100Sft.               | 1609.50 | 4394.90   | sq.m                 | 173.20 | 472.90    |   |         |
|         | iv) lime, sand mortar 1:2  | 100Sft.               | 1609.50 | 4343.35   | sq.m                 | 173.20 | 467.35    | ditto   |         |
| 17      | Add extra labour on item No. 16 for pacca brick work in:-        |                       |         |           |                      |        |           |   |         |
|         | i) first floor   | 100Sft.               | 243.25  | -         | sq.m                 | 26.15  | -         |   |         |
|         | ii) second floor   | ditto                 | 538.20  | -         | ditto                | 57.90  | -         |   |         |
|         | iii) third floor   | ditto                 | 842.55  | -         | ditto                | 90.65  | -         |   |         |
|         | iv) fourth & subsequent floors                                   | ditto                 | 1298.65 | -         | ditto                | 139.75 | -         |   |         |
| 18      | Perforated pacca brick walling one brick thick, in ground floor: |                       |         |           |                      |        |           |   |         |
|         | i) mud mortar  | 100Sft.               | 1718.65 | 6521.65   | sq.m                 | 184.95 | 701.75    | 21.1<br>to<br>21.4<br><br>The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used. |         |
|         | ii) cement, sand mortar:-  |                       |         |           |                      |        |           |   |         |
|         | Ratio 1:2  | 100 Sft.              | 2418.60 | 9310.20   | sq.m                 | 260.25 | 1001.80   |   |         |
|         | Ratio 1:3  | ditto                 | 2418.60 | 8806.80   | ditto                | 260.25 | 947.60    |   |         |
|         | Ratio 1:4  | ditto                 | 2418.60 | 8504.75   | ditto                | 260.25 | 915.10    |   |         |
|         | Ratio 1:5  | ditto                 | 2418.60 | 8303.40   | ditto                | 260.25 | 893.45    |   |         |
|         | Ratio 1:6  | ditto                 | 2418.60 | 8161.85   | ditto                | 260.25 | 878.20    |   |         |
|         | Ratio 1:7  | ditto                 | 2418.60 | 8051.75   | ditto                | 260.25 | 866.35    |   |         |
|         | Ratio 1:8  | ditto                 | 2418.60 | 7966.15   | ditto                | 260.25 | 857.15    |   |         |
|         | iii) lime, cement, sand mortar:-                                 |                       |         |           |                      |        |           |   |         |
|         | Ratio 1:1:6  | 100Sft.               | 2418.60 | 8305.05   | sq.m                 | 260.25 | 893.60    | The rate of lime mortar also includes grinding of mortar  |         |
|         | Ratio 1:1:7  | ditto                 | 2418.60 | 8192.20   | ditto                | 260.25 | 881.50    |   |         |
|         | Ratio 1:1:8  | ditto                 | 2418.60 | 8105.85   | ditto                | 260.25 | 872.20    |   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.    | Remarks                               |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|--------------|---------------------------------------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |              |                                       |
|         | Ratio 1:1:9  | ditto                 | 2418.60 | 8031.05   | ditto                | 260.25  | 864.15    |              |                                       |
|         | Ratio 1:1:10   | ditto                 | 2418.60 | 7976.40   | ditto                | 260.25  | 858.25    |              |                                       |
|         | iv) lime, sand mortar 1:2  | 100Sft.               | 2418.60 | 7882.85   | sq.m                 | 260.25  | 848.20    |              | ditto                                 |
| 19      | Add extra labour on item No. 18 for perforated pacca brick work in:-   |                       |         |           |                      |         |           |              |                                       |
|         | i) first floor   | 100Sft.               | 361.35  | --        | sq.m                 | 127.65  | -         |              |                                       |
|         | ii) second floor   | ditto                 | 810.80  | --        | ditto                | 286.40  | -         |              |                                       |
|         | iii) third floor   | ditto                 | 1260.25 | --        | ditto                | 445.15  | -         |              |                                       |
|         | iv) fourth & subsequent floors   | ditto                 | 2022.55 | --        | ditto                | 714.40  | -         |              |                                       |
| 20      | Fire brick masonry in fireclay mortar:-  |                       |         |           |                      |         |           | 21.1 to 21.2 |                                       |
|         | i) upto 20 ft. (6.10 m) height including all charges.  | Per Cft.              | 30.50   | 606.20    | cu.m                 | 1077.90 | 21411.20  |              |                                       |
|         | ii) Extra for every 5 ft. (1.5 m) additional height, or part thereof.  | 100Cft.               | 481.80  | --        | ditto                | 170.15  | -         |              | A&C No.I dated 2.9.1998               |
| 21      | First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- |                       |         |           |                      |         |           | 21.19        |                                       |
|         | i) 4½" (113 mm) thick walling with hoop iron, bonding 6" (150 mm) apart.                                       | 100Sft.               | 1360.25 | 7248.15   | sq.m                 | 146.35  | 779.90    |              |                                       |
|         | ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.                                     | 100Sft.               | 1217.05 | 6663.85   | sq.m                 | 130.95  | 717.05    |              |                                       |
|         | iii) 3" (75 mm) thick walling with hoop iron, bonding 6" (150 mm) apart.                                       | ditto                 | 1076.45 | 5405.30   | ditto                | 115.85  | 581.60    |              |                                       |
|         | iv) 3" (75 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.                                       | ditto                 | 861.15  | 4700.10   | ditto                | 92.65   | 505.75    |              |                                       |
| 22      | Ghilafi work (1½ brick thick wall)   | 100Cft.               | 2461.70 | 7794.95   | cu.m                 | 869.45  | 2753.20   | 21.18        |                                       |
| 23      | Dry brick pitching   | 100Cft.               | 1498.20 | 10894.20  | cu.m                 | 529.15  | 3847.85   | 21.1         |                                       |
| 24      | Sun dried bricks in mud mortar   | 100Cft.               | 2072.40 | 3132.90   | cu.m                 | 731.95  | 1106.55   | 21.16        |                                       |
| 25      | Pise wall (mud walling)  | 100Cft.               | 1100.90 | --        | cu.m                 | 388.85  | -         | 21.17        |                                       |
| 26      | Eave brick moulded, weathered and throated with back brick or drip course cornice, in 1:3 cement mortar:-      |                       |         |           |                      |         |           | 21.1 to 21.2 |                                       |
|         | i) 3" (75 mm) thick drip course cornice  | Rft.                  | 15.50   | 44.75     | Metre                | 50.85   | 146.80    |              | correction vide A&C No.I dated 2.9.98 |
|         | ii) 4½" (113 mm) thick drip course cornice.  | ditto                 | 17.60   | 87.90     | ditto                | 57.75   | 288.30    |              |                                       |
|         | iii) 4½" (113 mm) thick eave brick with back brick.  | ditto                 | 12.00   | 101.95    | ditto                | 39.35   | 334.40    |              |                                       |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.    | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|--------------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |              |   |
| 27      | Laying dressed or moulded brick cornices in 1:6 cement mortar, plastering or painting complete:-   |                       |         |           |                      |         |           | 21.1 to 21.2 |   |
|         | i) 1 brick   | Rft.                  | 17.60   | 30.80     | Metre                | 57.75   | 101.00    |              |   |
|         | ii) 2 bricks   | ditto                 | 25.95   | 66.20     | ditto                | 85.10   | 217.15    |              |   |
|         | iii) 3 bricks  | ditto                 | 34.65   | 102.10    | ditto                | 113.65  | 334.90    |              |   |
|         | iv) 4 bricks   | ditto                 | 43.55   | 140.20    | ditto                | 142.85  | 459.85    |              |   |
| 28      | Cleaning bricks dismantled from kacha pacca masonry  | 1,000 Nos             | 637.55  | --        | 1,000 Nos            | 637.55  | -         |              |   |
| 29      | Scraping bricks dismantled from pacca masonry  | 1,000 Nos             | 1202.25 | --        | 1,000 Nos            | 1202.25 | -         |              |   |
| 30      | Supplying and filling sand under floor; or plugging in wells.  | 100Cft.               | 151.80  | 1351.80   | cu.m                 | 53.60   | 477.45    |              |   |
| 31      | Providing and laying 2" (50 mm) thick and 15" (375 mm) projected tile band, laid in 1:2 cement sand mortar, with hoop iron 1" (25 mm) wide 18 gauge flat iron sheet 9" apart.  | Rft.                  | 65.20   | 119.10    | Metre                | 213.85  | 390.65    |              |   |
| 32      | First class brick tiles clad by laying tiles in stretcher course in cement sand mortar reinforced with 18 SWG hoop iron strips bonding placed at 2.0' (600 mm) apart horizontally, and at 1.0' (300 mm) interval vertically. |                       |         |           |                      |         |           |              | This item is to be executed only under the written permission of the Superintending Engineer. |
|         | i) 1:3   | 100Sft.               | 1217.05 | 8014.15   | sq.m                 | 130.95  | 862.30    |              |   |
|         | ii) 1:4  | ditto                 | 1217.05 | 7772.50   | ditto                | 130.95  | 836.30    |              |   |
| 33      | Chamfering sides of head regulators and masonry walls to increase width.   | Per Sft.              | 34.75   | --        | sq.m                 | 373.90  | -         |              |   |
| 34      | Replacing kallar eaten bricks  | Each No.              | 27.15   | 33.00     | Each                 | 27.15   | 33.00     |              |   |
| 35      | Repairing corners of bridges and other hydraulic masonry works   | Each No.              | 173.80  | 242.65    | Each                 | 173.80  | 242.65    |              |   |
| 36      | Extra labour for drains of bath rooms, etc.  | Per Lft.              | 14.70   | --        | Metre                | 48.20   |           |              |   |
| 37      | Maroo corners  | Each Corner           | 94.00   | --        | Each Corner          | 94.00   |           |              | Payable in addition to brick work   |



## 8. STONE MASONRY

- 1 The composite rates do not include the carriage of stone or spawl which will be paid separately by road and/or rail whichever means of transport is adopted. The supply and carriage to site of work of all other materials is included in the composite rates.
- 2 The payment of carriage of stone or spawl will be made on the basis of the actual stack measurement (without any reduction factor) of the stone or spawl carried.
- 3 Where the stone or spawl is issued from stock and the contractor is paid for its carriage and/or labour only; or where the stone or spawl is supplied, carried or handled by the contractor in which no laying is required, the actual stack measurement (without any reduction factor) shall form the basis of the payment of supply or carriage of stone or spawl. The quantity of finished and completed item of work shall form the basis of laying.
- 4 Rates for all finished work include the removal of surplus debris, unused material and byproducts.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.       | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-----------------|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |                 |         |
| 1       | Random, rubble masonry (uncoursed), in foundation and plinth:  |                       |         |           |                      |         |           | 22.10,<br>22.11 |         |
|         | a) dry masonry   | 100 Cft.              | 2541.00 | 3327.00   | cu.m                 | 897.50  | 1175.10   |                 |         |
|         | b) in mud mortar   | 100 Cft.              | 3177.90 | 4233.90   | cu.m                 | 1122.45 | 1495.40   |                 |         |
|         | c) in lime, sand mortar 1:2  | 100 Cft.              | 4857.60 | 7616.40   | cu.m                 | 1715.70 | 2690.10   |                 |         |
|         | d) in cement, sand mortar  |                       |         |           |                      |         |           |                 |         |
|         | i) ratio 1:3   | 100 Cft.              | 4857.60 | 10714.20  | cu.m                 | 1715.70 | 3784.25   |                 |         |
|         | ii) ratio 1:4  | 100 Cft.              | 4857.60 | 9808.10   | cu.m                 | 1715.70 | 3464.20   |                 |         |
|         | iii) ratio 1:6   | 100 Cft.              | 4857.60 | 8771.00   | cu.m                 | 1715.70 | 3097.90   |                 |         |
|         | iv) ratio 1:8  | 100 Cft.              | 4857.60 | 8197.20   | cu.m                 | 1715.70 | 2895.25   |                 |         |
| 2       | Coursed rubble masonry hammer dressed, in foundation and plinth:                                       |                       |         |           |                      |         |           | 22.8            |         |
|         | a) dry masonry   | 100 Cft.              | 3128.40 | 3914.40   | cu.m                 | 1104.95 | 1382.55   |                 |         |
|         | b) in mud mortar   | 100 Cft.              | 4402.20 | 5458.20   | cu.m                 | 1554.85 | 1927.85   |                 |         |
|         | c) in lime, sand mortar 1:2  | 100 Cft.              | 5413.65 | 7952.50   | cu.m                 | 1912.10 | 2808.80   |                 |         |
|         | d) in cement, sand mortar:   |                       |         |           |                      |         |           |                 |         |
|         | i) ratio 1:3   | 100 Cft.              | 5413.65 | 10994.85  | cu.m                 | 1912.10 | 3883.40   |                 |         |
|         | ii) ratio 1:4  | 100 Cft.              | 5413.65 | 10189.40  | cu.m                 | 1912.10 | 3598.90   |                 |         |
|         | iii) ratio 1:6   | 100 Cft.              | 5413.65 | 9267.15   | cu.m                 | 1912.10 | 3273.15   |                 |         |
|         | iv) ratio 1:8  | 100 Cft.              | 5413.65 | 8760.35   | cu.m                 | 1912.10 | 3094.15   |                 |         |
| 3       | Random rubble masonry (uncoursed) in ground floor or 20 ft.(6 m) height, building/other than building. |                       |         |           |                      |         |           | 22.10           |         |
|         | a) dry masonry   | 100 Cft.              | 2834.70 | 3620.70   | cu.m                 | 1001.20 | 1278.85   |                 |         |
|         | b) in mud mortar   | 100 Cft.              | 3814.80 | 4870.80   | cu.m                 | 1347.40 | 1720.35   |                 |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

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|---|--|-----------------------------|----------|-----------|----------------------|----------|-----------|-----------|-------------------|---------------------------------|
|   |  | Unit                        | Labour   | Composite | Unit                 | Labour   | Composite |           |                   |                                 |
| 4   | c) in lime, sand mortar 1:2  | 100 Cft.                    | 5266.80  | 8025.60   | cu.m                 | 1860.25  | 2834.65   | 22.8      |                   |                                 |
|   | d) in cement, sand mortar:   |                             |          |           |                      |          |           |           |                   |                                 |
|   | i) ratio 1:3   | 100 Cft.                    | 5266.80  | 11123.40  | cu.m                 | 1860.25  | 3928.80   |           |                   |                                 |
|   | ii) ratio 1:4  | 100 Cft.                    | 5266.80  | 10217.30  | cu.m                 | 1860.25  | 3608.75   |           |                   |                                 |
|   | iii) ratio 1:6   | 100 Cft.                    | 5266.80  | 9180.20   | cu.m                 | 1860.25  | 3242.45   |           |                   |                                 |
| iv) ratio 1:8   | 100 Cft.   | 5266.80                     | 8606.40  | cu.m      | 1860.25              | 3039.80  |           |           |                   |                                 |
| Coursed rubble masonry hammer dressed, in ground floor or 20 ft. (6 m) height, building/other than building.          |  |                             |          |           |                      |          |           |           |                   |                                 |
| 5   | a) dry masonry   | 100 Cft.                    | 3649.80  | 4435.80   | cu.m                 | 1289.10  | 1566.75   |           | 22.5<br>&<br>22.6 |                                 |
|   | b) in mud mortar   | 100 Cft.                    | 5445.00  | 6489.00   | cu.m                 | 1923.15  | 2291.90   |           |                   |                                 |
|   | c) in lime, sand mortar 1:2  | 100 Cft.                    | 6081.90  | 8620.75   | cu.m                 | 2148.15  | 3044.85   |           |                   |                                 |
|   | d) in cement, sand mortar:   |                             |          |           |                      |          |           |           |                   |                                 |
|   | i) ratio 1:3   | 100 Cft.                    | 6081.90  | 11663.10  | cu.m                 | 2148.15  | 4119.40   |           |                   |                                 |
|   | ii) ratio 1:4  | 100 Cft.                    | 6081.90  | 10857.65  | cu.m                 | 2148.15  | 3834.90   |           |                   |                                 |
|   | iii) ratio 1:6   | 100 Cft.                    | 6081.90  | 9935.40   | cu.m                 | 2148.15  | 3509.20   |           |                   |                                 |
|   | iv) ratio 1:8  | 100 Cft.                    | 6081.90  | 9428.60   | cu.m                 | 2148.15  | 3330.20   |           |                   |                                 |
|   | Ashlar block in course or scabbled masonry (including dressing, etc..) in ground floor or 20 ft. (6 m) height, building/other than building. |                             |          |           |                      |          |           |           |                   |                                 |
|   | 6  | a) in lime, sand mortar 1:2 | 100 Cft. | 16044.60  | 18473.55             | cu.m     | 5666.95   | 6524.85   |                   | 22.3<br>(A) to<br>(C) &<br>22.4 |
| b) in cement, sand mortar:  |  |                             |          |           |                      |          |           |           |                   |                                 |
| i) ratio 1:3  |  | 100 Cft.                    | 16044.60 | 20539.00  | cu.m                 | 5666.95  | 7254.40   |           |                   |                                 |
| ii) ratio 1:4   |  | 100 Cft.                    | 16044.60 | 19934.90  | cu.m                 | 5666.95  | 7041.00   |           |                   |                                 |
| iii) ratio 1:6  |  | 100 Cft.                    | 16044.60 | 19250.30  | cu.m                 | 5666.95  | 6799.20   |           |                   |                                 |
| Ashlar fine masonry (including dressing, etc.) in ground floor or 20 ft. 6 m) height, building/other than building.   |  |                             |          |           |                      |          |           |           |                   |                                 |
| 7   | a) in lime, sand mortar 1:2  | 100 Cft.                    | 29165.40 | 31371.50  | cu.m                 | 10301.20 | 11080.40  |           |                   |                                 |
|   | b) in cement, sand mortar:   |                             |          |           |                      |          |           |           |                   |                                 |
|   | i) ratio 1:3   | 100 Cft.                    | 29165.40 | 32404.25  | cu.m                 | 10301.20 | 11445.20  |           |                   |                                 |
|   | ii) ratio 1:4  | 100 Cft.                    | 29165.40 | 32101.70  | cu.m                 | 10301.20 | 11338.30  |           |                   |                                 |
|   | iii) ratio 1:6   | 100 Cft.                    | 29165.40 | 31766.40  | cu.m                 | 10301.20 | 11219.90  |           |                   |                                 |
| Extra labour on items 3, 4, 5 & 6 above for work in:-   |  |                             |          |           |                      |          |           |           |                   |                                 |
| 8   | i) first floor   | 100 Cft.                    | 679.80   | -         | cu.m                 | 240.10   | -         |           |                   |                                 |
|   | ii) second floor   | 100 Cft.                    | 1511.15  | -         | cu.m                 | 533.75   | -         |           |                   |                                 |
|   | iii) third floor   | 100 Cft.                    | 2360.70  | -         | cu.m                 | 833.80   | -         |           |                   |                                 |
|   | iv) fourth floor   | 100 Cft.                    | 3731.90  | -         | cu.m                 | 1318.10  | -         |           |                   |                                 |
| Extra labour on items 3,4,5 & 6 above for every 5 ft.(1.5 m) additional height, other than building, or part thereof. |  |                             |          |           |                      |          |           |           |                   |                                 |

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|---------|---|-----------------------|----------|-----------|----------------------|---------|-----------|-----------|--|
|         |   | Unit                  | Labour   | Composite | Unit                 | Labour  | Composite |           |  |
| 9       | Extra labour for arch work in stone masonry, including centering and decentring, etc.   | 100 Cft.              | 1759.45  | -         | cu.m                 | 621.45  | -         | 22.12     |  |
| 10      | Extra labour for:-  |                       |          |           |                      |         |           | 22.7      |  |
|         | a) coping and caps, etc.  | 100 Cft.              | 8458.55  | -         | cu.m                 | 2987.55 | -         |           |  |
|         | b) cornice & string course  | 100 Rft.              | 8458.55  | -         | Rm.                  | 277.45  | -         |           |  |
| 11      | Dressing stones:-   |                       |          |           |                      |         |           | 22.2      |  |
|         | a) hammer dressed   | 100 Sft.              | 3260.40  | -         | sq.m                 | 350.80  |           |           | i) This rate of dressing shall be paid only when the supply of undressed stone is made.<br>ii) In case of masonry, dressing is already included and this rate shall not be added thereto.<br>iii) Only dressed surface of stone shall be measured. |
|         | b) rough tooled dressed   | 100 Sft.              | 6156.50  | -         | sq.m                 | 662.45  |           |           |  |
|         | c) chisel dressed   | 100 Sft.              | 7460.65  | -         | sq.m                 | 802.75  |           |           |  |
|         | d) fine dressed   | 100 Sft.              | 15449.30 | -         | sq.m                 | 1662.35 |           |           |  |
| 12      | Dhajji walling 5"x5" (125 mmx125 mm) thick deodar framing with stone laid in 1:6 cement sand mortar, and 1:4 cement sand plaster on both sides. | 100 Sft.              | 6436.40  | 11605.65  | sq.m                 | 692.55  | 1248.75   | 22.13     |  |
| 13      | Providing and fixing stone blocks from 2 Cft. (0.6 cu.m) to 6 Cft (0.17 cu.m). each including lift upto 20 ft. (6 m)                            | Per Cft.              | 282.05   | 309.45    | cu.m                 | 9962.00 | 10929.75  |           |  |
| 14      | Providing and fixing stone blocks, under 2 Cft. (06 cu.m) each including lift upto 20 ft. (6 m)   | Per Cft.              | 160.85   | 191.25    | cu.m                 | 5681.20 | 6754.95   |           |  |

## 9. ROOFING

Rates for all finished works include the removal of surplus debris unused material and byproducts.

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|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|--------------|--|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |              |  |
| 1       | First class tile roofing, consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leeping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m hot bitumen coating sand blinded, provided over 2 layers of tiles 12"x6"x1¼" (300x150x30 mm) laid in 1:6 cement mortar with ½" (13 mm) thick sand wiched layer of 1:6 cement mortar, including 1:2 cement pointing underside of tiles, complete, including curing, etc. | 100Sft.               | 4363.15 | 9756.65   | sq.m                 | 469.50 | 1049.80   | 23.1         | Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub- sequent floors, respectively. |
| 2       | Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leeping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m of hot bitumen coating sand blinded, provided over one layer of 12"x6"x2" (300x150x50 mm) tiles laid in 1:6 cement mortar, including 1:2 cement pointing underneath of tiles complete including curing, etc.  | 100Sft.               | 3366.00 | 7374.10   | sq.m                 | 362.20 | 793.45    | 23.2         | ditto  |
| 3       | Covering mud roof with coal tar, and fine sand.  | 100Sft.               | 184.35  | 1057.60   | sq.m                 | 19.85  | 113.80    | 23.1 to 23.2 | ditto  |
| 4       | Filling spaces in between:-  |                       |         |           |                      |        |           |              |  |
|         | a) Wooden battens over beams, filled with deodar wood pieces (spacers).  | 100Sft.<br>roof area  | 347.60  | 1925.25   | sq.m                 | 37.40  | 207.15    |              | Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub- sequent floors, respectively. |
|         | b) RCC battens, filled with CC block 1:3:6.  | -ditto-               | 645.50  | 967.05    |                      | 69.45  | 104.05    |              |  |
|         | c) Spaces filled with bricks.  | -ditto-               | 178.80  | 604.65    |                      | 19.25  | 65.05     |              |  |
| 5       | Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.   | 100Sft.               | 1068.55 | 5719.35   | sq.m                 | 115.00 | 615.40    | 23.1         | ditto  |
| 6       | Jack arch roofing 4½" (113 mm) thick laid in 1:5 cement mortar, including an average depth of 4" (100 mm) cement concrete in haunches and over crown, with 3" (75 mm)  |                       |         |           |                      |        |           | 23.3 to 23.5 | For steel part and its erection etc. items 10 & 14 under Chapter IRON WORK be referred.  |

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|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|--------------------|--|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |                    |  |
|         | earth and 1" (25 mm) plaster, soffits of arches cement plaster 1:6 and ½" (13 mm) thick. The rate also includes bitumen coating, centring, laying skew bricks in cement mortar (1:3), and encasing exposed flanges of the joints with fine cement concrete 1:2:4 using stone aggregate:-  |                       |         |           |                      |        |           |                    | Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively.  |
|         | a) cement concrete in haunches 1:6:12.  | 100Sft.               | 4799.50 | 14944.20  | sq.m                 | 516.45 | 1608.00   |                    |  |
|         | b) cement concrete in haunches 1:3:6.   | ditto                 | 4799.50 | 15987.60  | ditto                | 516.45 | 1720.25   |                    |  |
| 7       | Jack arch roofing 4½" (113 mm) thick laid in 1:5 cement mortar, including an average depth of 4" (100 mm) cement concrete in haunches and over crown, with ½" (13 mm) cement plaster 1:6 on top (except earth filling mud plaster and gobi) soffit of arches cement plastered. The rate also includes bitumen coating, centring, laying skew bricks in cement sand mortar (1:3), and encasing exposed flanges of the joints with fine cement concrete 1:2:4 using stone aggregate:- |                       |         |           |                      |        |           | 23.3<br>to<br>23.5 | For steel part and its erection etc. items 10 & 14 under Chapter IRON WORK be referred.<br><br>Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively. |
|         | a) cement concrete in haunches 1:6:12.  | 100Sft.               | 3900.60 | 14456.95  | sq.m                 | 419.70 | 1555.55   |                    |  |
|         | b) cement concrete in haunches 1:3:6.   | ditto                 | 3900.60 | 14837.60  | ditto                | 419.70 | 1596.55   |                    |  |
| 8       | Extra for vaulted jack arch roofing.  | 100Sft.               | 939.85  |           | sq.m                 | 101.15 | -         |                    | ditto  |
| 9       | Jack arch roofing of shingle and cement concrete 1:3:6, 4½" (113 mm) thick at crown, with ½" (13 mm) cement plaster including cost of supplying, erecting and dismantling centring.   | 100Sft.               | 5441.70 | 12450.95  | sq.m                 | 585.55 | 1339.70   | 23.3<br>to<br>23.5 | ditto  |
| 10      | Earth filling over roof including watering, ramming with 1" (25 mm) mud plaster finished, with gobi leeping:  |                       |         |           |                      |        |           | 23.1<br>to<br>23.3 | Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively.  |
|         | a) 3" (75 mm) thick earth filling and 1" (25 mm) mud plaster  | 100Sft.               | 465.05  | 762.30    | sq.m                 | 50.05  | 82.00     |                    |  |
|         | b) 4" (100 mm) thick earth filling and 1" (25mm) mud plaster  | 100Sft.               | 609.05  | 966.30    | sq.m                 | 65.55  | 103.95    |                    |  |
| 11      | 1/8" (3 mm) thick gobi leeping on roofs or floors.  | 100Sft.               | 65.45   | 79.35     | sq.m                 | 7.05   | 8.55      | ditto              | ditto  |
| 12      | Two coats of bitumen laid hot using 34 lbs. per %Sft. or  | 100Sft.               | 364.30  | 2051.75   | sq.m                 | 39.20  | 220.75    | 23.1               |  |

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|---------|---|-------------------------------|----------------------------|---------------------------------|----------------------|-------------------------|-------------------------------|-----------|--|
|         |   | Unit                          | Labour                     | Composite                       | Unit                 | Labour                  | Composite                     |           |  |
|         | 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)  |                               |                            |                                 |                      |                         |                               |           |  |
| 13      | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts, nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:-<br>a) 20 BWG<br>b) 22 BWG<br>c) 24 BWG | 100Sft.<br>100Sft.<br>100Sft. | 695.20<br>695.20<br>695.20 | 14392.55<br>12387.85<br>9995.50 | sq.m<br>sq.m<br>sq.m | 74.80<br>74.80<br>74.80 | 1548.65<br>1332.95<br>1075.50 | 23.7      | Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively, on items 13 to 18. |
| 14      | Khassi parnalas in cement, sand mortar 1:2, 12" (300 mm) outside width finished smooth with a floating coat of neat cement.   | Rft.                          | 49.35                      | 67.50                           | Metre                | 161.85                  | 221.40                        | 23.10     |  |
| 15      | Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)  | Each                          | 185.35                     | 340.60                          | Each                 | Each                    | 340.60                        | 23.10     |  |
| 16      | Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.   | Each                          | 185.35                     | 668.50                          | Each                 | 185.35                  | 668.50                        | 23.10     |  |
| 17      | Plain galvanized iron sheets 22 SWG rain water down pipe including clamp and fixing in position.<br>a) 4" (100 mm) diameter down pipe<br>b) 5" (125 mm) diameter down pipe                                      | Per Rft.<br>Per Rft.          | 39.15<br>39.15             | 146.75<br>170.10                | Metre<br>Metre       | 128.40<br>128.40        | 481.35<br>557.95              |           |  |
| 18      | Plain galvanized iron sheet flashing, 22 gauge.   | Per Sft.                      | 39.15                      | 119.00                          | sq.m                 | 421.25                  | 1280.45                       | 23.11     |  |
| 19      | Providing and fixing 1/16" (1.5 mm) thick lead flashing over roof expansion joint complete in all respects.   | Per Sft.                      | 10.50                      | 74.40                           | Sq.m                 | 113.00                  | 800.55                        |           |  |
| 20      | Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-<br>a) 4" dia (100 mm) cast iron down pipe.<br>b) 3" (75 mm) cast iron down pipe.           | Per Rft.<br>Per Rft.          | 34.75<br>34.75             | 191.50<br>168.25                | Metre<br>Metre       | 114.00<br>114.00        | 628.10<br>551.85              |           | Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively, on items 19 to 24  |
| 21      | Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.  | Each                          | 146.70                     | 438.60                          | Each                 | 146.70                  | 438.60                        |           |  |
| 22      | Shoes, bends or offsets for cast iron rain water down pipe,   | Each                          | 52.15                      | 287.05                          | Each                 | 52.15                   | 287.05                        |           |  |

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|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |         |
|         | including fixing and painting.  |                       |         |           |                      |        |           |           |         |
| 23      | Plain GI sheet iron spouts fixed in position, including painting.   | Each                  | 163.00  | 280.70    | Each                 | 163.00 | 280.70    | 23.10     |         |
| 24      | Laying ½" (13 mm) thick deodar ceiling complete, including sawing, planing and fixing.  | 100Sft.               | 3715.80 | 16079.65  | sq.m                 | 399.80 | 1730.15   | 26.1      |         |
| 25      | Flat sheet roof with galvanized iron plain sheets, including battens, rolls, screws, clips etc. (Planking to be paid for separately):-  |                       |         |           |                      |        |           |           |         |
|         | a) 22 BWG sheets roofing  | 100Sft.               | 2209.00 | 14572.20  | sq.m                 | 237.70 | 1567.95   | 23.60     |         |
|         | b) 24 BWG sheets roofing  | 100Sft.               | 2209.00 | 12997.60  | sq.m                 | 237.70 | 1398.55   |           |         |
| 26      | Asbestos cement corrugated sheet roofing including necessary overlaps, and GI hook bolts, nuts, screws, washers and bitumen washers, etc. (excluding valleys and ridges, etc).                                | 100Sft.               | 1498.20 | 5242.20   | sq.m                 | 161.20 | 564.05    | 23.8      |         |
| 27      | Extra labour for erection of GI sheets, flat sheet or asbestos sheet roofing, above 20' (6.10 m) height in difficult position, including lifting with care and special scaffolding along live electric wires. | 100Sft.               | 175.30  | --        | sq.m                 | 18.85  | -         | 23.6      |         |
| 28      | Fixing asbestos cement sheet ridges and valleys ¼" (6 mm) thick.  | Per Rft.              | 17.90   | 66.05     | Metre                | 58.70  | 216.65    | 23.8      |         |
| 29      | Plain galvanized iron sheet ridging, including fixture, timber for ridge roll and ridge sheeting:-  |                       |         |           |                      |        |           | 23.6      |         |
|         | a) 6" (150 mm) lap and 18" (450 mm) overall, of 22 gauge G.I sheet ridging.   | Per Rft.              | 48.90   | 349.75    | Per Metre            | 160.40 | 1147.20   |           |         |
|         | b) 9" (225 mm) lap and 24" (600 mm) overall, of 24 gauge G.I sheet ridging.   | Per Rft.              | 62.55   | 344.60    | Per Metre            | 205.15 | 1130.30   |           |         |
|         | c) 12" (300 mm) lap and 30" (750 mm) overall, of 22 gauge G.I sheet ridging.  | Per Rft.              | 62.55   | 412.00    | Per Metre            | 205.15 | 1351.35   |           |         |
| 30      | Plain 22 gauge G.I sheet gutter semi circular 8" (200 mm) dia meter.  | Per Rft.              | 31.30   | 151.35    | Per Metre            | 102.65 | 496.45    | 23.11     |         |
| 31      | Making masonry ventilators in cement, sand mortar 1:4   | Each                  | 695.20  | 1141.90   | Each                 | 695.20 | 1141.90   |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|--|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |  |
| 32      | Fixing water spouts or parnalas.  | Each                  | 208.55  | --        | Each                 | 208.55 | -         | 23.10     |  |
| 33      | Making drip course 2"x½" (50x13 mm) under RCC slab edges in outer opening, in cement, sand mortar 1:2.  | Per Rft.              | 8.80    | 9.90      | Metre                | 28.85  | 32.45     |           |  |
| 34      | Supplying and laying of twin G.I sheet 20 SWG duly painted with bitumen, with polythene film in between 300 gauge, to provide a sliding joint under the bearing of the beams, including 3" (75 mm) long, 3/8" (10 mm) dia bar to act as holdfast on wall and beam.  | Per Sft.              | 25.50   | 331.80    | sq.m                 | 274.40 | 3570.15   |           |  |
| 35      | Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- |                       |         |           |                      |        |           |           |  |
|         | i) Thermopore sheet ½ " (13 mm) thick   | 100Sft.               | 1648.35 | 6378.45   | sq.m                 | 177.35 | 686.30    |           |  |
|         | ii) Thermopore sheet ¾ " (20 mm) thick  | 100Sft.               | 1648.35 | 6504.45   | sq.m                 | 177.35 | 699.90    |           |  |
|         | iii) Thermopore sheet 1" (25 mm) thick  | 100Sft.               | 1651.30 | 6633.40   | sq.m                 | 177.70 | 713.75    |           |  |
| 36      | Providing and fixing AC rain water down pipe 4" (100 mm) dia, with shoe, T-bend, clamp, etc.  | Rft.                  | 10.45   | 228.85    | Metre                | 34.30  | 750.65    |           |  |
| 37      | Making jharries in existing brick masonry for providing recesses for bearing of RCC roof slab, including repairing the damaged face:-   |                       |         |           |                      |        |           |           | Rate will be increased by 1.5 time for stone masonry or plain; concrete; and 2 times for reinforced cement concrete.           |
|         | i) for slabs upto 6" (150 mm) thick   | Rft.                  | 11.75   | 13.35     | Metre                | 38.55  | 43.80     |           |  |
|         | ii) for slabs exceeding 6" to 12" (150 to 300 mm) thick.  | Rft.                  | 19.90   | 22.85     | Metre                | 65.25  | 74.95     |           |  |
| 38      | Making recess in existing brick masonry for bearing of beam, girder, R.S. Joist, etc. including repairing damaged face:-  |                       |         |           |                      |        |           |           | Rates will be increased by 1.5 times for stone masonry and plain cement concrete and two times for reinforced cement concrete. |
|         | i) upto 1.0' (300 mm) height of girder or beam.   | Each                  | 48.95   | 54.30     | Each                 | 48.95  | 54.30     |           |  |
|         | ii) for every 6" (150 mm) additional height or part thereof.  | Each                  | 23.50   | 26.05     | Each                 | 23.50  | 26.05     |           |  |
| 39      | Hoisting RS. Beams and wooden beams and placing in  | Each                  | 195.35  | -         | Each                 | 195.35 | -         |           |  |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |  |         |
|         | position.  |                       |        |           |                      |        |           |  |         |
| 40      | Hoisting and placing in position sahl ballies, over roof.                                    | Each                  | 29.80  | -         | Each                 | 29.80  | -         |  |         |
| 41      | Hoisting precast R.C.C/prestressed concrete battens and placing in position.                 |                       |        |           |                      |        |           |  |         |
| a)      | 5' to 6' (1.50 to 1.83 m) long   | Each                  | 27.90  | -         | Each                 | 27.90  | -         |  |         |
| b)      | 6' to 7' (1.83 to 2.13 m) long   | Each                  | 39.05  | -         | Each                 | 39.05  | -         |  |         |
| c)      | 7' to 8' (2.13 to 2.44 m) long   | Each                  | 48.85  | -         | Each                 | 48.85  | -         |  |         |
| d)      | 8' to 9' (2.44 to 2.74 m) long   | Each                  | 65.10  | -         | Each                 | 65.10  | -         |  |         |
| e)      | above 9' (2.74 m) length   | Each                  | 78.15  | -         | Each                 | 78.15  | -         |  |         |
| 42      | Hoisting and placing in position R.C. trough:  |                       |        |           |                      |        |           | Applicable only to roof trough (inverted tees & trough) for height of 1st storey only. |         |
| a)      | upto 10' (3 m) in length   | Each                  | 78.15  | -         | Each                 | 78.15  | -         |  |         |
| b)      | 10' to 11' (3 to 3.36 m) in length   | ditto                 | 97.70  | -         | ditto                | 97.70  | -         |  |         |
| c)      | 11' to 12' (3.36 to 3.66 m) in length  | ditto                 | 130.25 | -         | ditto                | 130.25 | -         |  |         |
| d)      | 12' to 13' (3.66 to 3.96 m) in length  | ditto                 | 150.30 | -         | ditto                | 150.30 | -         |  |         |
| e)      | 13' to 14' (3.96 to 4.26 m) in length  | ditto                 | 162.80 | -         | ditto                | 162.80 | -         |  |         |
| f)      | 14' to 15' (4.26 to 4.57 m) in length  | ditto                 | 177.60 | -         | ditto                | 177.60 | -         |  |         |
| g)      | 15' to 16' (4.57 to 4.88 m) in length  | ditto                 | 195.35 | -         | ditto                | 195.35 | -         |  |         |
| h)      | 16' to 17' (4.88 to 5.19 m) in length  | ditto                 | 217.05 | -         | ditto                | 217.05 | -         |  |         |
| i)      | 17' to 18' (5.19 to 5.49 m) in length  | ditto                 | 279.10 | -         | ditto                | 279.10 | -         |  |         |
| j)      | 18' to 19' (5.49 to 5.80 m) in length  | ditto                 | 300.55 | -         | ditto                | 300.55 | -         |  |         |
| k)      | 19' to 20' (5.80 to 6.10 m) in length  | ditto                 | 325.60 | -         | ditto                | 325.60 | -         |  |         |
| 43      | Hoisting and placing in position R.C. inverted battens:-                                     |                       |        |           |                      |        |           |  |         |
| i)      | upto 10' (3.05 m) span   | Each                  | 60.25  | -         | Each                 | 60.25  | -         |  |         |
| ii)     | from 10' to 12' (3.05 to 3.66 m) span  | ditto                 | 133.85 | -         | ditto                | 133.85 | -         |  |         |
| iii)    | from 12' to 13' (3.66 to 3.96 m) span  | ditto                 | 160.60 | -         | ditto                | 160.60 | -         |  |         |
| iv)     | from 13' to 14' (3.96 to 4.26 m) span  | ditto                 | 200.75 | -         | ditto                | 200.75 | -         |  |         |
| v)      | from 14' to 15' (4.26 to 4.57 m) span  | ditto                 | 219.00 | -         | ditto                | 219.00 | -         |  |         |
| vi)     | from 15' to 16' (4.57 to 4.88 m) span  | ditto                 | 240.90 | -         | ditto                | 240.90 | -         |  |         |
| vii)    | from 16' to 18' (4.88 to 5.49 m) span  | ditto                 | 301.15 | -         | ditto                | 301.15 | -         |  |         |
| viii)   | from 18' to 20' (5.49 to 6.10 m) span  | ditto                 | 481.80 | -         | ditto                | 481.80 | -         |  |         |
| 44      | Reinforced cement concrete spout, including fixing in position, with top and bottom Khurras. | Each                  | 278.10 | 513.90    | Each                 | 278.10 | 513.90    |  |         |

## 10. FLOORING

Rates for all finished works include the removal of surplus debris, unused material and byproduct:

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |         |
| 1       | Laying Murum flooring, consisting of 1"(25 mm) layer of fine powdery or flakey variety of Murum, laid over 6"(150 mm) good hard layer of Murum spreaded over 9"(225 mm) thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed, provided over well rammed earth. | 100 Sft.              | 1890.90  | 3147.80   | sq.m                 | 203.45 | 338.70    |           |         |
| 2       | Earth flooring, consisting of 6"(150 mm) thick consolidated layer of moistened earth, including ramming.   | 100 Sft.              | 644.35   | 944.35    | sq.m                 | 69.35  | 101.60    | 24.1      |         |
| 3       | Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.   | 100 Cft.              | 1457.95  | 3137.95   | cum.                 | 514.95 | 1108.30   |           |         |
| 4       | Mud flooring, consisting of 6"(150 mm) thick consolidated layer of moistened earth and finished off with 1"(25 mm) mud plaster and gobri leeping.  | 100 Sft.              | 1173.15  | 1624.40   | sq.m                 | 126.25 | 174.80    | 24.2      |         |
| 5       | Dry brick paving laid flat, sand grouted, including preparation of bed by watering, ramming and bringing the same to proper camber, by ½"(13 mm) thick mud plaster.  | 100 Sft.              | 617.75   | 3149.75   | sq.m                 | 66.45  | 338.90    | 24.12     |         |
| 6       | Dry brick on edge paving, sand grouted, including preparation of bed by watering, ramming & bringing the same to proper camber, by ½"(13 mm) thick mud plaster.  | 100 Sft.              | 1113.60  | 4875.60   | sq.m                 | 119.80 | 524.60    | 24.12     |         |
| 7       | Grouting 4½"(113 mm) dry brick work with cement mortar ratio 1: 5  | 100 Sft.              | 601.90   | 1018.80   | sq.m                 | 64.75  | 109.60    |           |         |
| 8       | Flat brick flooring laid in 1:6 cement mortar, over a bed of ¾" (20 mm) thick cement mortar, 1:6.  | 100 Sft.              | 1083.70  | 4313.65   | sq.m                 | 116.60 | 464.15    | 24.4      |         |
| 9       | Brick on edge flooring, laid in 1:6 cement mortar, over a bed of ¾" (20 mm) thick cement mortar 1:6.   | 100 Sft.              | 1,383.35 | 6,090.20  | sq.m                 | 148.85 | 655.30    | 24.4      |         |
| 10      | Brick tiles (12"x6"x2") (300x150x50mm) laid in 1:6 cement mortar, over a bed of ¾" (20 mm) thick cement mortar 1:6.  | 100 Sft.              | 1,354.65 | 3,306.10  | sq.m                 | 145.75 | 355.75    | ditto     |         |
| 11      | Brick ties (9"x4½"x1½")(225 mm x 113 mm x 40 mm) laid  | 100 Sft.              | 1,501.50 | 4,639.25  | sq.m                 | 161.55 | 499.20    | 24.4      |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |   |
|         | flat in 1:3 cement mortar, over a bed of 3/4"(20 mm) thick cement mortar 1:6.  |                       |          |           |                      |        |           |           |   |
| 12      | Cement tiles (8"x8"x3/4")(200 x 200 x 20 mm) laid flat in 1:2 cement mortar, over 3/4" (20 mm) thick bed of cement mortar 1:2.   | 100 Sft.              | 901.05   | 5,094.85  | sq.m                 | 96.95  | 548.20    | 24.7      |   |
| 13      | Cement concrete tiles laid in 1:2 cement mortar, over 3/4" (20 mm) thick bed of cement mortar 1:2:-  |                       |          |           |                      |        |           | 24.8      |   |
|         | (a) 12"x12"x1" (300 x 300 x 25 mm)   | 100 Sft.              | 901.05   | 3,554.15  | sq.m                 | 96.95  | 382.45    |           |   |
|         | (b) 9"x9"x3/4" (225 x 225 x 20 mm)   | ditto                 | 901.05   | 4,599.75  | ditto                | 96.95  | 494.95    |           |   |
|         | (c) 6"x6"x3/4"(150 x 150 x 20 mm)  | ditto                 | 901.05   | 6,478.90  | ditto                | 96.95  | 697.15    |           |   |
| 14      | Coloured cement tiles (8"x8"x3/4")(200 x 200 x 20 mm) of approved dark shade laid flat in 1:2 cement mortar, over 3/4" (20 mm) bedding mortar of 1:2.  | 100 Sft.              | 901.05   | 5,123.65  | sq.m                 | 96.95  | 551.30    | 24.7      |   |
| 15      | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:-  |                       |          |           |                      |        |           | 24.9      | If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42. |
|         | (a) 1"(25 mm) thick  | 100 Sft.              | 1,008.15 | 2,064.75  | sq.m                 | 108.50 | 222.15    |           |   |
|         | (b) 1 1/4"(30 mm) thick  | ditto                 | 1,008.15 | 2,298.00  | ditto                | 108.50 | 247.25    |           |   |
|         | (c) 1 1/2"(40 mm) thick  | ditto                 | 1,258.95 | 2,782.10  | ditto                | 135.45 | 299.35    |           |   |
|         | (d) 1 3/4"(45 mm) thick  | ditto                 | 1,258.95 | 3,027.50  | ditto                | 135.45 | 325.75    |           |   |
|         | (e) 2"(50 mm) thick  | ditto                 | 1,509.75 | 3,565.70  | ditto                | 162.45 | 383.65    |           |   |
|         | (f) 2 1/4"(56 mm) thick  | ditto                 | 1,555.30 | 3,830.75  | ditto                | 167.35 | 412.20    |           |   |
|         | (g) 2 1/2"(62 mm) thick  | ditto                 | 1,760.55 | 4,196.25  | ditto                | 189.45 | 451.50    |           |   |
|         | (h) 2 3/4"(70 mm) thick  | ditto                 | 1,760.55 | 4,513.50  | ditto                | 189.45 | 485.65    |           |   |
|         | (i) 3"(75 mm) thick  | ditto                 | 1,760.55 | 4,784.95  | ditto                | 189.45 | 514.85    |           |   |
| 16      | Providing and laying conglomerate flooring (two coat work) with top layer of 1/2"(13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16"(6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels:- |                       |          |           |                      |        |           | 24.10     | If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42. |
|         | (a) 1 1/2"(40 mm) thick  | 100 Sft.              | 1,491.25 | 2,956.00  | sq.m                 | 160.45 | 318.05    |           |   |
|         | (b) 1 3/4"(45 mm) thick  | ditto                 | 1,491.25 | 3,108.95  | ditto                | 160.45 | 334.50    |           |   |
|         | (c) 2"(50 mm) thick  | ditto                 | 1,888.90 | 3,749.10  | ditto                | 203.25 | 403.40    |           |   |
| 17      | Add extra in cement concrete floor topping, if finished with pigment and polishing.  | 100 Sft.              | 347.60   | 811.50    | sq.m                 | 37.40  | 87.30     |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|---|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|---|
|         |   | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |   |
| 18      | Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.   | 100 Sft               | 273.25   | -         | sq.m                 | 29.40  | -         |           | On items 19-25 & 29-34  |
| 19      | Flag stone flooring in lime mortar 1:2, over ¾"(20 mm) bedding mortar, in platforms and floors, etc.  |                       |          |           |                      |        |           | 24.5      |   |
|         | (a) 2"(50 mm) thick   | 100 Sft.              | 2,994.40 | 4,620.70  | sq.m                 | 322.20 | 497.20    |           |   |
|         | (b) 3"(75 mm) thick   | ditto                 | 2,994.40 | 4,883.20  | ditto                | 322.20 | 525.45    |           |   |
| 20      | Asphalt flooring , including preparation of proper base remelting, setting out, and finishing complete:-  |                       |          |           |                      |        |           | 24.10     |   |
|         | (a) 1"(25 mm) thick topping   | 100 Sft.              | 1,204.50 | 15,374.00 | sq.m                 | 129.60 | 1654.25   |           |   |
|         | (b) ½"(13 mm) thick topping   | ditto                 | 947.45   | 8,179.40  | ditto                | 101.95 | 880.10    |           |   |
|         | (c) ¼"(6 mm) thick topping  | ditto                 | 702.10   | 4,417.60  | ditto                | 75.55  | 475.35    |           |   |
| 21      | 1 <sup>3</sup> / <sub>8</sub> "(35 mm) thick mosaic flooring, consisting of 3/8"(10 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick flooring of 1:2:4 cement concrete including rubbing and polishing complete :- |                       |          |           |                      |        |           |           | If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42. |
|         | (a) using grey cement   | 100 Sft.              | 4,092.00 | 6,359.40  | sq.m                 | 440.30 | 684.25    |           |   |
|         | (b) using white cement  | ditto                 | 4,092.00 | 6,639.15  | ditto                | 440.30 | 714.35    |           |   |
| 22      | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing :-                 |                       |          |           |                      |        |           |           | If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42. |
|         | (a) using grey cement   | 100 Sft.              | 4,092.00 | 6,515.10  | sq.m                 | 440.30 | 701.05    |           |   |
|         | (b) using white cement  | ditto                 | 4,092.00 | 7,115.45  | ditto                | 440.30 | 765.60    |           |   |
| 23      | Providing and laying floor of mosaic marble chips tiles 1"(25 mm) thick of approved quality and shade, laid in white cement and pigment, over ¾"(20 mm) thick bedding of cement sand mortar 1:2, including finishing and polishing, complete.   | 100 Sft.              | 2,513.00 | 6,317.60  | sq.m                 | 270.40 | 679.75    | 24.8      |   |
| 24      | Laying floor of approved white glazed tile ¼" (6 mm) thick  | 100 Sft.              | 3,227.40 | 8,523.15  | sq.m                 | 347.25 | 917.10    | 24.7      |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

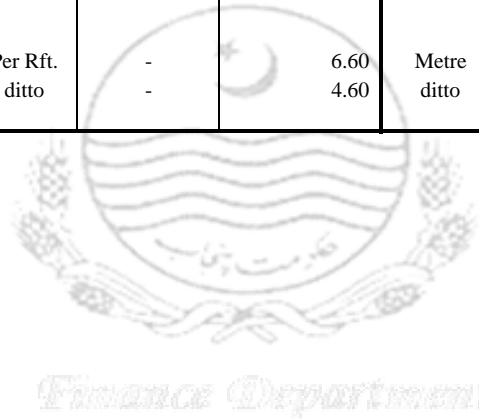
| Sr. No. | Description   | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No.   | Remarks |
|---------|---|-----------------------|----------|-----------|----------------------|--------|-----------|---|---------|
|         |   | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |   |         |
|         | in white cement 1:2 over ¾" (20mm) thick cement mortar 1:2, complete.   |                       |          |           |                      |        |           |   |         |
| 25      | Laying floor of approved coloured glazed tiles ¼ "(6 mm) thick, laid in white cement and pigment on a bed of ¾" (20 mm) thick cement mortar 1:2.  | 100 Sft.              | 3,227.40 | 9,070.35  | sq.m                 | 347.25 | 975.95    | ditto   |         |
| 26      | Rubbing and polishing old grit/ mosaic floor, including repairing voids, uneven surface, complete in all respects.  | 100 Sft.              | 826.30   | 955.85    | sq.m                 | 88.90  | 102.85    | The composite rate will be reduced by Rs. 150.00 per % Sft or Rs.13.95 per Sq. metre respectively, if no polishing is done. |         |
| 27      | Rubbing and polishing grit floor, including repairing voids, uneven surface, complete in all respects   | 100 Sft.              | 881.75   | 1,014.00  | sq.m                 | 94.90  | 109.10    | The composite rate will be reduced by Rs. 150.00 per % Sft or Rs.13.95 per Sq. metre respectively, if no polishing is done. |         |
| 28      | Cleaning and washing mosaic or marble floor with caustic soda mixture.  | 100 Sft.              | 134.85   | 179.85    | sq.m                 | 14.50  | 19.35     | 24.6  |         |
| 29      | Shisham wood boarding or strip flooring ¾" (20mm) thick (sawn to required size) tongued and grooved or splayed rebated fixed with brass screws on deodar wood battens 1½ "x2"(40 x 50 mm),size placed at 12"(300 mm) centre to centre, including two coats of bitumen laid hot on the base.   | 100 Sft.              | 2,728.00 | 32,675.80 | sq.m                 | 293.55 | 3515.90   | 24.13   |         |
| 30      | Deodar wood boarding or strip flooring ¾" (20 mm) thick (sawn to required size) tongued and grooved or splayed rebated fixed with brass screws on deodar wood battens 1½ "x2"(40 x 50 mm) size , placed at 12"(300 mm) centre, to centre including two coats of bitumen laid hot on the base. | 100 Sft.              | 3,128.40 | 37,036.75 | sq.m                 | 336.60 | 3985.15   | ditto   |         |
| 31      | Teak wood boarding or strip flooring ½" (13 mm) "thick (sawn to required size) to tongued and grooved screwed on deodar wood battens 1½ " x2"(40 x 50 mm) size, placed at 12"(300 mm) centre to centre, including 2 coats of bitumen laid hot on base.  | 100 Sft.              | 2,717.00 | 43,376.55 | sq.m                 | 292.35 | 4667.30   | ditto   |         |
| 32      | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base.   | 100 Sft.              | 2,900.70 | 38,204.95 | sq.m                 | 312.10 | 4110.85   | 24.13   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |         |
| 33      | Teak wood block 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base.  | 100 Sft.              | 2,717.00 | 74,144.95 | sq.m                 | 292.35 | 7978.00   | ditto     |         |
| 34      | Laying wooden paving of hard wood on edge in coal tar and asphalt:-  | 100 Sft.              |          |           | sq.m                 |        |           | ditto     |         |
|         | (a) Shisham wood   | Per Inch thickness    | 1,694.00 | 23,466.10 | per cm thickness     | 182.25 | 2524.95   |           |         |
|         | (b) Kikar wood   | ditto                 | 1,694.00 | 13,069.30 | ditto                | 182.25 | 1406.25   |           |         |
| 35      | Tile skirting laid in 1:2 cement mortar, over ¾"(20 mm) thick cement mortar, 1:2 including cement washing and filling joints complete:-  | 100 Sft.              |          |           | sq.m                 |        |           |           |         |
|         | (a) cement tiles   | 100 Sft.              | 1,474.60 | 6,027.90  | sq.m                 | 158.65 | 648.60    |           |         |
|         | (b) mosaic tiles   | ditto                 | 2,428.80 | 8,462.00  | ditto                | 261.35 | 910.50    |           |         |
| 36      | Providing grey cement skirting or dado 3/8"(10 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering :-  | 100 Sft.              |          |           | sq.m                 |        |           |           |         |
|         | (a) 1:2 cement, sand mortar  | 100 Sft.              | 1,846.95 | 2,374.60  | sq.m                 | 198.75 | 255.50    |           |         |
|         | (b) 1:3 cement, sand mortar  | ditto                 | 1,846.95 | 2,219.70  | ditto                | 198.75 | 238.85    |           |         |
|         | (c) Extra if skirting or dado is finished with pigment of any colour.  | ditto                 | 113.85   | 374.95    | ditto                | 12.25  | 40.35     |           |         |
| 37      | White glazed tile (6"x6"x¼") (6 mm) thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" (20mm) thick, including finishing.  | 100 Sft.              | 3,976.50 | 9,272.25  | sq.m                 | 427.85 | 997.70    | 24.7      |         |
| 38      | Coloured glazed tile dado (6"x6"x¼") (6mm) thick in pigment over 1:2 cement, sand mortar 3/4"(20mm) thick, including finishing.  | 100 Sft.              | 3,976.50 | 9,802.65  | sq.m                 | 427.85 | 1054.75   | ditto     |         |
| 39      | Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: | 100 Sft.              |          |           | sq.m                 |        |           |           |         |
|         | (a) using grey cement:   | 100 Sft.              |          |           | sq.m                 |        |           |           |         |
|         | i) 3/8"(10 mm) thick   | 100 Sft.              | 4,857.60 | 6,048.30  | sq.m                 | 522.70 | 650.80    |           |         |
|         | ii) ½"(13 mm) thick  | ditto                 | 4,857.60 | 6,766.75  | ditto                | 522.70 | 728.10    |           |         |
|         | (b) using white cement :   | 100 Sft.              |          |           | sq.m                 |        |           |           |         |
|         | i) 3/8"(10 mm) thick   | 100 Sft.              | 4,857.60 | 6,861.30  | sq.m                 | 522.70 | 738.30    |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |   |
|         | ii) ½"(13 mm) thick  | ditto                 | 4,857.60 | 7,144.70  | ditto                | 522.70 | 768.75    |           |   |
| 40      | Rubber flooring, consisting of 12"x12"x1/8" (300x300x3mm) rubber tiles, laid on firm foundation.               | Per Sft.              | 12.70    | 74.05     | sq.m                 | 136.65 | 796.80    | 24.14     | The cost of base for rubber flooring is not included in the rate and is payable separately. |
| 41      | Providing and fixing glass strip 5mm thick and 1½" (40 mm) wide, for dividing the mosaic flooring into panels. | Per Rft.              | -        | 4.10      | Metre                | -      | 13.45     |           | Labour for fixing already included in items No. 15, 16, 21 and 22 of this Chapter.          |
| 42      | Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels                    |                       |          |           |                      |        |           |           |   |
|         | a) :Size 1½" x ¾" (40 x 10 mm)   | Per Rft.              | -        | 6.60      | Metre                | -      | 21.65     |           |   |
|         | b) :Size 1½" x ¼" (40 x 6 mm)  | ditto                 | -        | 4.60      | ditto                | -      | 15.10     |           |   |



# 11. SURFACE RENDERING

- 1 PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING AND DISTEMPERING, ETC.
- 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.

## MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No.    | Remarks   |
|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|--------------|---|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |              |   |
| 1       | Mud plaster on walls (excluding Gobri leeping) upto 20' (6.00 m) height:-   |                       |         |           |                      |        |           | 25.7         |   |
|         | a) ½" (13 mm) thick   | 100 Sft.              | 280.55  | 357.05    | sq.m                 | 30.20  | 38.40     |              |   |
|         | b) 1" (25 mm) thick   | ditto                 | 393.10  | 546.10    | ditto                | 42.30  | 58.75     |              |   |
| 2       | Mud plaster on floor or roof (excluding Gobri leeping):-  |                       |         |           |                      |        |           | ditto        | Add extra 13%, 32% and 51% above the labour rates only or 6%, 15% & 23% on the composite rates for 2nd, 3rd, 4th and subsequent floors, respectively. |
|         | a) ½" (13 mm) thick   | 100 Sft.              | 252.90  | 329.40    | sq.m                 | 27.20  | 35.45     |              |   |
|         | b) 1" (25 mm) thick   | ditto                 | 252.90  | 405.90    | ditto                | 27.20  | 43.70     |              |   |
| 3       | Cement lime plaster 1:7:12 (cement, lime and sand) upto 20' (6.00 m) height.  |                       |         |           |                      |        |           | 25.1 to 25.6 |   |
|         | a) ¼" (6 mm) thick  | 100 Sft.              | 809.15  | 969.25    | sq.m                 | 87.05  | 104.30    |              |   |
|         | b) ½" (13 mm) thick   | ditto                 | 809.15  | 1129.20   | ditto                | 87.05  | 121.50    |              |   |
| 4       | Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height:-  |                       |         |           |                      |        |           | ditto        |   |
|         | a) ¼" (6 mm) thick  | 100 Sft.              | 809.15  | 1192.80   | sq.m                 | 87.05  | 128.35    |              |   |
|         | b) ½" (13 mm) thick   | ditto                 | 809.15  | 1427.50   | ditto                | 87.05  | 153.60    |              |   |
| 5       | 2" (50 mm) stucco cement plaster 1:2:4 (cement, sand and shingle) upto 20' (6.00 m) height.   | 100 Sft.              | 2038.10 | 4386.95   | sq.m                 | 219.30 | 472.05    | ditto        |   |
| 6       | Providing and laying machine sprayed plaster ½" (13 mm) thick, using cement and chips zero gauge, over the existing plastered and roughened surface, upto 20' (6.00 m) height:- |                       |         |           |                      |        |           | ditto        |   |
|         | i) ratio 1:1  | 100 Sft.              | 710.70  | 2114.80   | sq.m                 | 76.45  | 227.55    |              |   |
|         | ii) ratio 1:1½  | ditto                 | 710.70  | 2023.35   | ditto                | 76.45  | 217.70    |              |   |
|         | iii) ratio 1:2  | ditto                 | 710.70  | 1970.70   | ditto                | 76.45  | 212.05    |              |   |
| 7       | Cement plaster 1:2 upto 20' (6.00 m) height:-   |                       |         |           |                      |        |           | 25.1         |   |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No.    | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|--------------|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |              |         |
|         |  |                       |         |           |                      |        |           |              |         |
|         | a) 3/8" (10 mm) thick  | 100 Sft.              | 809.15  | 1336.85   | sq.m                 | 87.05  | 143.85    | to           |         |
|         | b) 1/2" (13 mm) thick  | ditto                 | 809.15  | 1493.15   | ditto                | 87.05  | 160.65    | 25.6         |         |
|         | c) 3/4" (20 mm) thick  | ditto                 | 1017.70 | 2073.05   | ditto                | 109.50 | 223.05    |              |         |
| 8       | Cement plaster 1:3 upto 20' (6.00 m) height:-  |                       |         |           |                      |        |           | ditto        |         |
|         | a) 3/8" (10 mm) thick  | 100 Sft.              | 809.15  | 1181.90   | sq.m                 | 87.05  | 127.15    |              |         |
|         | b) 1/2" (13 mm) thick  | ditto                 | 809.15  | 1306.15   | ditto                | 87.05  | 140.55    |              |         |
|         | c) 3/4" (20 mm) thick  | ditto                 | 1017.70 | 1763.20   | ditto                | 109.50 | 189.70    |              |         |
| 9       | Cement plaster 1:4 upto 20' (6.00 m) height:-  |                       |         |           |                      |        |           | ditto        |         |
|         | a) 3/8" (10 mm) thick  | 100 Sft.              | 809.15  | 1140.65   | sq.m                 | 87.05  | 122.75    |              |         |
|         | b) 1/2" (13 mm) thick  | ditto                 | 809.15  | 1230.80   | ditto                | 87.05  | 132.45    |              |         |
|         | c) 3/4" (20 mm) thick  | ditto                 | 1017.70 | 1674.70   | ditto                | 109.50 | 180.20    |              |         |
| 10      | Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. |                       |         |           |                      |        |           | ditto        |         |
|         | a) 1:2   | 100 Sft.              | 926.65  | 1558.60   | sq.m                 | 99.70  | 167.70    |              |         |
|         | b) 1:3   | ditto                 | 926.65  | 1403.05   | ditto                | 99.70  | 150.95    |              |         |
|         | c) 1:4   | ditto                 | 926.65  | 1361.80   | ditto                | 99.70  | 146.55    |              |         |
| 11      | Cement plaster 1:5 upto 20' (6.00 mm) height:-   |                       |         |           |                      |        |           | 25.1 to 25.6 |         |
|         | a) 3/8" (10 mm) thick  | 100 Sft.              | 809.15  | 1104.35   | sq.m                 | 87.05  | 118.85    |              |         |
|         | b) 1/2" (13 mm) thick  | ditto                 | 809.15  | 1168.20   | ditto                | 87.05  | 125.70    |              |         |
|         | c) 3/4" (20 mm) thick  | ditto                 | 1017.70 | 1608.10   | ditto                | 109.50 | 173.05    |              |         |
| 12      | Cement plaster 1:6 upto 20' (6.00 mm) height:-   |                       |         |           |                      |        |           | ditto        |         |
|         | a) 3/8" (10 mm) thick  | 100 Sft.              | 809.15  | 1052.50   | sq.m                 | 87.05  | 113.25    |              |         |
|         | b) 1/2" (13 mm) thick  | ditto                 | 809.15  | 1131.90   | ditto                | 87.05  | 121.80    |              |         |
|         | c) 3/4" (20 mm) thick  | ditto                 | 1017.70 | 1504.45   | ditto                | 109.50 | 161.90    |              |         |
| 13      | Applying floating coat of cement 1/32" (0.8 mm) thick.                                     | 100 Sft.              | 480.50  | 687.85    | sq.m                 | 51.70  | 74.00     | 25.4 to 25.6 |         |
| 14      | Lime pointing flush upto 20' (6.00 m) height including                                     | 100 Sft.              | 600.60  | 718.95    | sq.m                 | 64.65  | 77.35     | 25.8         |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |         |
|         | raking joints, in lime, sand mortar 1:2.   |                       |         |           |                      |        |           |           |         |
| 15      | Lime pointing struck joints on walls, upto 20' (6.00 m) height, including raking joints in lime sand mortar 1:2. | 100 Sft.              | 926.65  | 1045.00   | sq.m                 | 99.70  | 112.45    | ditto     |         |
| 16      | Cement pointing flush upto 20' (6.00 m) height:-   |                       |         |           |                      |        |           | ditto     |         |
|         | a) ratio 1:2   | 100 Sft.              | 809.15  | 1204.00   | sq.m                 | 87.05  | 129.55    |           |         |
|         | b) ratio 1:3   | ditto                 | 809.15  | 1113.10   | ditto                | 87.05  | 119.75    |           |         |
| 17      | Cement pointing 1:2 flush on floor.  | 100 Sft.              | 600.60  | 995.45    | sq.m                 | 64.65  | 107.10    | ditto     |         |
| 18      | Cement pointing struck joints, on walls, upto 20' (6.00 m) height:-  |                       |         |           |                      |        |           |           |         |
|         | a) ratio 1:2   | 100 Sft.              | 926.65  | 1321.50   | sq.m                 | 99.70  | 142.20    |           |         |
|         | b) ratio 1:3   | ditto                 | 926.65  | 1230.60   | ditto                | 99.70  | 132.40    |           |         |
| 19      | Pointing flush on stone work, upto 20' (6.00 m) height.  |                       |         |           |                      |        |           | 25.8      |         |
|         | a) in lime mortar 1:2 (lime, sand)   | 100 Sft.              | 744.50  | 902.85    | sq.m                 | 80.10  | 97.15     |           |         |
|         | b) in cement mortar 1:3  | ditto                 | 744.50  | 1048.40   | ditto                | 80.10  | 112.80    |           |         |
|         | c) on stone work raised:-  |                       |         |           |                      |        |           |           |         |
|         | i) in lime mortar 1:2  | 100 Sft.              | 1396.55 | 1554.90   | sq.m                 | 150.25 | 167.30    |           |         |
|         | ii) in cement mortar 1:3   | ditto                 | 1396.55 | 1700.50   | ditto                | 150.25 | 182.95    |           |         |
| 20      | Raking and washing joints of stone masonry (old work).   | 100 Sft.              | 369.60  | -         | sq.m                 | 39.75  | -         | ditto     |         |
| 21      | Raking and washing joints of brick masonry (old work).   | 100 Sft.              | 184.80  | -         | sq.m                 | 19.90  | -         | ditto     |         |
| 22      | Priming coat of chalk under distemper.   | 100 Sft.              | 83.40   | 90.00     | sq.m                 | 8.95   | 9.70      | 25.11     |         |
| 23      | Distemping:-   |                       |         |           |                      |        |           | ditto     |         |
|         | a) new surface:-   |                       |         |           |                      |        |           |           |         |
|         | i) one coat  | 100 Sft.              | 90.85   | 169.85    | sq.m                 | 9.80   | 18.30     |           |         |
|         | ii) two coats  | ditto                 | 134.35  | 237.30    | ditto                | 14.45  | 25.55     |           |         |
|         | iii) three coats   | ditto                 | 177.80  | 304.80    | ditto                | 19.15  | 32.80     |           |         |
|         | b) old surface:-   |                       |         |           |                      |        |           |           |         |
|         | i) one coat  | 100 Sft.              | 83.05   | 138.00    | sq.m                 | 8.95   | 14.85     |           |         |
|         | ii) two coats  | ditto                 | 134.35  | 189.30    | ditto                | 14.45  | 20.35     |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |   |
| 24      | Colour washing:-  |                       |        |           |                      |        |           | 25.10     |   |
|         | a) new surface:-  |                       |        |           |                      |        |           |           |   |
|         | i) one coat   | 100 Sft.              | 66.20  | 94.70     | sq.m                 | 7.10   | 10.20     |           |   |
|         | ii) two coats   | ditto                 | 99.30  | 141.00    | ditto                | 10.70  | 15.15     |           |   |
|         | b) old surface:-  |                       |        |           |                      |        |           |           |   |
|         | i) one coat   | 100 Sft.              | 66.20  | 83.85     | sq.m                 | 7.10   | 9.00      |           |   |
|         | ii) two coats   | ditto                 | 99.30  | 128.20    | ditto                | 10.70  | 13.80     |           |   |
| 25      | White washing:-   |                       |        |           |                      |        |           | 25.9      |   |
|         | a) new surface:-  |                       |        |           |                      |        |           |           |   |
|         | i) one coat   | 100 Sft.              | 66.20  | 89.65     | sq.m                 | 7.10   | 9.65      |           |   |
|         | ii) two coats   | ditto                 | 99.30  | 134.40    | ditto                | 10.70  | 14.45     |           |   |
|         | iii) three coats  | ditto                 | 128.75 | 175.45    | ditto                | 13.85  | 18.90     |           |   |
|         | b) old surface:-  |                       |        |           |                      |        |           |           |   |
|         | i) one coat   | 100 Sft.              | 66.20  | 83.80     | sq.m                 | 7.10   | 9.00      |           |   |
|         | ii) two coats   | ditto                 | 99.30  | 128.55    | ditto                | 10.70  | 13.85     |           |   |
| 26      | Gobri leeping:-   |                       |        |           |                      |        |           | 25.7      |   |
|         | a) on walls   | 100 Sft.              | 92.65  | 96.65     | sq.m                 | 9.95   | 10.40     |           |   |
|         | b) over roofs   | ditto                 | 78.55  | 82.55     | ditto                | 8.45   | 8.90      |           |   |
| 27      | Striking joints of burnt bricks in lime or cement mortar.   | 100 Sft.              | 117.50 | -         | sq.m                 | 12.65  | -         | 25.8      | Payable with fresh masonry, when the face of the work is not to be plastered/pointed. |
| 28      | Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. | 100 Sft.              | 147.45 | -         | sq.m                 | 15.85  | -         |           |   |
| 29      | Caulking joints of sleeper wall, with sand and coaltar.   | 100 Sft.              | 366.95 | 860.35    | sq.m                 | 39.50  | 92.55     |           |   |
| 30      | Caulking joints of sleepers, with mud and chopped straw.  | 100 Sft.              | 366.95 | 395.45    | sq.m                 | 39.50  | 42.55     |           |   |
| 31      | Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.                          | 100 Sft.              | 115.50 | 213.00    | sq.m                 | 12.45  | 22.90     |           |   |
| 32      | Providing grooved cement sand plaster 1:3 over existing plastered and roughened surface upto 20' (6.00 m) height.                       |                       |        |           |                      |        |           |           |   |
|         | i) 3/8" (10 mm) thick   | 100 Sft.              | 926.65 | 1299.40   | sq.m                 | 99.70  | 139.80    |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System)   |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|---|-------------------------|--------|-----------|----------------------|--------|-----------|-----------|--|
|         |   | Unit                    | Labour | Composite | Unit                 | Labour | Composite |           |  |
|         | ii) ½" (13 mm) thick  | ditto                   | 926.65 | 1423.65   | ditto                | 99.70  | 153.20    |           |  |
| 33      | Providing and fitting expanded metal edge bead for corners, with nails on both sides of edges.  | Rft.                    | 5.50   | 33.75     | Metre                | 18.05  | 110.70    |           |  |
| 34      | Petty repairs to fire place.  |                         |        |           |                      |        |           |           |  |
|         | i) Single   | Each                    | 146.00 | 189.95    | Each                 | 146.00 | 189.95    |           |  |
|         | ii) Double  | Each                    | 292.00 | 379.85    | Each                 | 292.00 | 379.85    |           |  |
| 35      | Petty repair to main rooms.   | Each                    | 301.70 | 419.15    | Each                 | 301.70 | 419.15    |           | Area above 100 Sft (10.76 sq.m)  |
| 36      | Petty repair to small rooms.  | Each                    | 150.85 | 209.55    | Each                 | 150.85 | 209.55    |           | Area upto 100 Sft (10.76 sq.m)   |
| 37      | Petty repair to verandah.   | Each                    | 301.70 | 395.60    | Each                 | 301.70 | 395.60    |           |  |
| 38      | Extra labour for white washing, colour washing, priming coat and distemping, etc. from 20' (6.00 m) height and above, requiring scaffolding, for every additional 10' (3.00m) height or part thereof. | 100 Sft.<br>Per<br>coat | 11.05  | -         | sq.m<br>Per<br>coat  | 1.20   | -         |           | The height will be taken from the floor, roof or ground uderneath as the case may be on the side towards which the work is to be done. |

*Finance Department*

## 12. WOOD WORK

- 1 No extra rate is to be paid for sawing as the rates are inclusive of these
- 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |          |           | Spec. No.                       | Remarks   |
|---------|---|-----------------------|--------|-----------|----------------------|----------|-----------|---------------------------------|---|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour   | Composite |                                 |   |
| 1       | Plain wood work sawn, wrought, planed and fixed in position, including cost of nails and screws etc.  |                       |        |           |                      |          |           | 26.1                            |   |
|         | a) Deodar wood  | Per Cft.              | 485.55 | 3272.70   | cu.m                 | 17149.65 | 115591.75 |                                 |   |
|         | b) Shisham wood   | ditto                 | 545.60 | 2712.20   | ditto                | 19270.60 | 95794.90  |                                 |   |
| 2       | Plain wood work for regulation karries or needles, etc. including sawing, planning, wroughting wood and providing and fixing steel parts of karries i.e. end strip and rods, etc.   |                       |        |           |                      |          |           | 26.1                            |   |
|         | a) Deodar wood  | Per Cft.              | 303.45 | 3134.75   | cu.m                 | 10717.85 | 110719.35 |                                 |   |
|         | b) Shisham wood   | ditto                 | 303.45 | 2529.95   | ditto                | 10717.85 | 89357.85  |                                 |   |
| 3       | First class teak wood wrought joinery in doors and windows, etc. panelled, panelled and glazed or fully glazed and fixed in position, including chowkat, holdfast, tower bolt, chocks, rubber stop, cleats/G.I. clamps, chords with hooks, nails, screws, etc. complete (excluding sliding bolt and lock):- |                       |        |           |                      |          |           | 26.1<br>to<br>26.3<br>&<br>26.7 |   |
|         | i) 2" (50 mm) thick   | Per Sft.              | 86.35  | 1332.65   | sq.m                 | 929.15   | 14339.30  |                                 |   |
|         | ii) 1¾" (45 mm) thick   | ditto                 | 86.35  | 1243.05   | ditto                | 929.15   | 13375.20  |                                 |   |
|         | iii) 1½" (40 mm) thick  | ditto                 | 86.35  | 1155.55   | ditto                | 929.15   | 12433.70  |                                 |   |
| 4       | First class teak wood wrought joinery in wire gauze doors and windows with frames 22 SWG galvanized iron wire gauze 12x12 meshes to square inch, (5x5 meshes in cm <sup>2</sup> ) including brass fittings, sash bars, etc. complete:-  |                       |        |           |                      |          |           | 26.8<br>to<br>26.10             | i) This also includes the cost of wood required for extra thickness of chowkat.<br>ii) If 24 SWG wire gauge is used, the composite rate shall be reduced by Rs.4.70 per sft. and Rs.50.60 per sq.m. |
|         | a) teak wood framing 1¾" (45 mm) thick with wire gauze fixed in position:-  |                       |        |           |                      |          |           |                                 |   |
|         | i) without springs or spring hinges.  | Per Sft.              | 15.15  | 546.05    | sq.m                 | 163.00   | 5875.50   |                                 |   |
|         | ii) with springs or spring hinges.  | ditto                 | 15.15  | 549.75    | ditto                | 163.00   | 5915.30   |                                 |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.           | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|---------------------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |                     |         |
|         | b) teak wood framing 1½" (40 mm) thick, with wire gauze fixed in position:-<br>i) without springs or spring hinges.<br>ii) with springs or spring hinges.   | Per Sft.              | 15.15  | 503.40    | sq.m                 | 163.00 | 5416.60   |                     |         |
|         |   | ditto                 | 15.15  | 507.50    | ditto                | 163.00 | 5460.70   |                     |         |
|         | c) G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes per cm <sup>2</sup> ) fixed to chowkat with ¾" (20 mm) teak wood strips and screws.  | Per Sft.              | 27.30  | 162.40    | sq.m                 | 293.75 | 1747.40   |                     |         |
|         | d) G.I. wire gauze 22 SWG, 12x12 meshes per square inch (5x5 meshes per cm <sup>2</sup> ) fixed with ½" (13 mm) strip on separate frame of teak wood 2"x2" (50x50 mm), for windows, etc.  | Per Sft.              | 25.60  | 522.10    | sq.m                 | 275.45 | 5617.80   |                     |         |
| 5       | P/F expanded metal ½" to ¾" (13 to 20 mm) mesh, 16 Gauge, fixed to chowkat with 1" (25 mm) teak wood cover strips and screw etc., complete.   | Per Sft.              | 32.80  | 263.05    | sq.m                 | 352.95 | 2830.40   |                     |         |
| 6       | Providing and fixing expanded metal ½" (13 mm) to ¾" (20 mm), 16 gauge, fixed to chowkat with 1" (25 mm) cover moulding and screws, including teak wood frame 2"x2" (50 mm x 50 mm)   | Per Sft.              | 34.10  | 392.00    | sq.m                 | 366.90 | 4217.90   |                     |         |
| 7       | First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast, hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete (excluding sliding bolt or lock):- |                       |        |           |                      |        |           | 26.1 to 26.3 & 26.7 |         |
|         | a) 2" thick (50 mm)   | Per Sft.              | 82.40  | 967.35    | sq.m                 | 886.60 | 10408.70  |                     |         |
|         | b) 1¾" thick (45 mm)  | ditto                 | 82.40  | 904.25    | ditto                | 886.60 | 9729.85   |                     |         |
|         | c) 1½" thick (40 mm)  | ditto                 | 82.40  | 860.40    | ditto                | 886.60 | 9257.90   |                     |         |
| 8       | Deodar wood framed, braced and battened doors and windows, complete with iron fittings and fixed in position, including chowkats:-  |                       |        |           |                      |        |           | 26.1, 26.2 & 26.4   |         |
|         | a) 2¼" (56 mm) thick, with 1¼" (30 mm) battens and 1" (25 mm) planks.   | Per Sft.              | 91.95  | 596.20    | sq.m                 | 989.40 | 6415.10   |                     |         |
|         | b) 1¾" (40 mm) thick with 1" (25 mm) battens and ¾" (20 mm) planks.   | ditto                 | 83.95  | 515.90    | ditto                | 903.30 | 5551.10   |                     |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |         |           | Spec. No.                     | Remarks  |
|---------|--|-----------------------|--------|-----------|----------------------|---------|-----------|-------------------------------|--|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour  | Composite |                               |  |
| 9       | 1" (25 mm) thick battened doors and windows fitted in position, complete with iron fittings, without chowkats.   | Per Sft.              | 107.85 | 339.65    | sq.m                 | 1160.45 | 3654.65   |                               |  |
| 10      | Deodar battened ledged and braced doors and windows 2¼" (56 mm) thick (1¼" (30 mm) thick ledge braces and 1" (25 mm) thick battens complete with iron fittings, chowkats and fixed in position.              | Per Sft.              | 99.00  | 582.70    | sq.m                 | 1065.25 | 6269.85   | 26.1, 26.2<br>26.4 to<br>26.6 |  |
| 11      | a) Deodar wood framed with braces and 22 SWG G.I. sheet facing, including holdfast, wooden beadings, hinges, and locking arrangements as directed by the Engineer incharge:-                                 |                       |        |           |                      |         |           | 26.1, 26.2<br>& 26.4          | If 24 gauge G.I. sheet is used, the composite rate will be reduced by Re.4.70 per Sft. (Rs. Per 50.60 Sq.m) for G.I. facing on one side and Rs.9.40 per Sft. (Rs.101.20 per Sq.m) for G.I. sheet facing on both sides. |
|         | i) G.I. sheet facing on one side.  | Per Sft.              | 42.95  | 499.35    | sq.m                 | 462.15  | 5373.00   |                               |  |
|         | ii) G.I. sheet facing on both sides.   | ditto                 | 47.55  | 524.30    | ditto                | 511.65  | 5641.45   |                               |  |
|         | b) Partial wood framed with braces and 22 SWG G.I. sheet facing, including holdfast, wooden beadings, hinges and locking arrangements, as directed by the Engineer-in-charge:-                               |                       |        |           |                      |         |           |                               | -ditto-  |
|         | i) G.I. sheet facing on one side.  | Per Sft.              | 42.95  | 204.00    | sq.m                 | 462.15  | 2195.05   |                               |  |
|         | ii) G.I. sheet facing on both sides.   | ditto                 | 47.55  | 229.00    | ditto                | 511.65  | 2464.05   |                               |  |
| 12      | First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm <sup>2</sup> ) including iron fittings etc. complete:- |                       |        |           |                      |         |           | 26.8 to<br>26.10              | i) This also includes the cost of wood required for extra thickness of chowkat.<br><br>ii) If 24 SWG wire gauze is used the composite rate shall be reduced by Rs.4.70 per sft or Rs.50.60 per sq.m.                   |
|         | a) deodar wood framing 1¾" (45 mm) thick with wire gauze fixed in position:-   |                       |        |           |                      |         |           |                               |  |
|         | i) without springs or spring hinges.   | Per Sft.              | 45.45  | 416.35    | sq.m                 | 489.05  | 4479.95   |                               |  |
|         | ii) with springs or spring hinges.   | ditto                 | 45.45  | 420.45    | ditto                | 489.05  | 4524.05   |                               |  |
|         | b) deodar wood framing 1½" (40 mm) thick, with wire gauze fixed in position:-  |                       |        |           |                      |         |           |                               |  |
|         | i) without springs or spring hinges  | Per Sft.              | 45.45  | 387.05    | sq.m                 | 489.05  | 4164.65   |                               |  |
|         | ii) with springs or spring hinges  | ditto                 | 45.45  | 389.65    | ditto                | 489.05  | 4192.65   |                               |  |
|         | c) G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 in cm <sup>2</sup> ) fixed to chowkat, with ¾" (20 mm) thick deodar wood strip and screws.   | Per Sft.              | 34.10  | 136.70    | sq.m                 | 366.90  | 1470.90   |                               |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.    | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--------------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |              |         |
|         | d) G.I. wire gauze 22 SWG 12x12 meshes per square inch, (5x5 meshes in cm <sup>2</sup> ) fixed to chowkat, with ½" (13 mm) strip on separate frame of deodar wood 2" x 2" (50 mm x 50 mm).   | Per Sft.              | 51.15  | 357.15    | sq.m                 | 550.35 | 3842.95   |              |         |
| 13      | Making and fixing trellis doors and windows of deodar wood, complete.  | Per Sft.              | 74.60  | 393.50    | sq.m                 | 802.70 | 4234.05   | 26.1<br>26.2 |         |
| 14      | Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-   |                       |        |           |                      |        |           |              |         |
|         | a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)   | Per Sft.              | 19.55  | 144.00    | sq.m                 | 210.35 | 1549.45   |              |         |
|         | b) M.S. tee iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)   | Per Sft.              | 19.55  | 108.65    | sq.m                 | 210.35 | 1169.05   |              |         |
| 15      | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: |                       |        |           |                      |        |           |              |         |
|         | a) single rebate   | Per Sft.              | 26.85  | 127.25    | sq.m                 | 288.90 | 1369.20   |              |         |
|         | b) double rebate   | ditto                 | 32.10  | 146.20    | ditto                | 345.40 | 1573.10   |              |         |
| 16      | Extra for providing and fixing iron double spring hinges, with brass fittings (it shall include brass finger plate, 6" (150 mm) tower bolt).   | Per Sft.<br>door area | 2.50   | 30.25     | sq.m<br>door area    | 26.90  | 325.50    | 26.2         |         |
| 17      | Providing and fixing brass spring hinges to wire gauzed doors.   | Each                  | 52.45  | 202.45    | Each                 | 52.45  | 202.45    |              |         |
| 18      | Providing and fixing sliding bolt to doors:-   |                       |        |           |                      |        |           |              |         |
|         | i) iron sliding bolt, 10" (250 mm) long  | Each                  | 51.15  | 111.15    | Each                 | 51.15  | 111.15    |              |         |
|         | ii) iron sliding bolt, 12" (300 mm) long   | ditto                 | 51.15  | 153.15    | ditto                | 51.15  | 153.15    |              |         |
|         | iii) brass sliding bolt, 10" (250 mm) long   | ditto                 | 51.15  | 153.15    | ditto                | 51.15  | 153.15    |              |         |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |         |           | Spec. No. | Remarks   |
|---------|--|-----------------------|--------|-----------|----------------------|---------|-----------|-----------|---|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour  | Composite |           |   |
|         | iv) brass sliding bolt, 12" (300 mm) long  | ditto                 | 51.15  | 309.15    | ditto                | 51.15   | 309.15    |           |   |
| 19      | Extra for brass fittings to doors and windows, except for hinges, which shall be of iron:-   |                       |        |           |                      |         |           |           |   |
|         | i) deodar wood panelled or panelled and glazed or fully glazed.  | Per Sft.              | 1.50   | 11.40     | sq.m                 | 16.15   | 122.65    |           |   |
|         | ii) deodar wood wire gauzed shutters.  | ditto                 | 1.50   | 9.05      | ditto                | 16.15   | 97.40     |           |   |
| 20      | Extra for providing and fixing approved quality rim lock adjustable over the style surface.  | Each                  | 159.90 | 366.30    | Each                 | 159.90  | 366.30    |           |   |
| 21      | Providing and fixing, approved quality mortice lock.   | Each                  | 223.85 | 413.45    | Each                 | 223.85  | 413.45    |           |   |
| 22      | Providing and fixing, expended metal ½" to ¾" (13 mm to 20 mm) mesh 16 gauge.  |                       |        |           |                      |         |           |           |   |
|         | a) fixed to chowkat with 1" (25 mm) thick deodar wood strip and screws, etc.   | Per Sft.              | 32.80  | 211.05    | sq.m                 | 352.95  | 2270.90   |           |   |
|         | b) fixed with 1" (25 mm) cover moulding and screws, including deodar wood frame 2"x2" (50 x 50 mm)   | ditto                 | 34.10  | 299.45    | ditto                | 366.90  | 3222.10   |           |   |
| 23      | a) Providing and fixing deodar wood almirah 9" to 12" (225 mm to 300 mm) depth, including boxing with back, shelves, shutter and brass fittings, etc. complete.  | Per Sft.              | 113.30 | 1385.40   | sq.m                 | 1219.10 | 14906.85  |           | For hollow frame shutter with commercial ply on one side, the composite rate shall be reduced by Rs.54.00 per Sft;or Rs.580.00 per Sqm and for hollow frame shutter with commercial ply on both sides, the composite rate shall be reduced by Rs.22.80 per Sft. or Rs.245.00 per Sq. metre. |
|         | b) Providing and fixing deodar wood almirah 9" to 12" (225 mm to 300 mm)depth with shelves, shutters, brass fittings, etc., without boxing and back, complete.   | Per Sft.              | 83.95  | 453.00    | sq.m                 | 903.10  | 4874.40   |           |   |
| 24      | Providing and fixing class room almirah consisting of 1" (25 mm) thick solid flush shutter with deodar wood lipping ¼" (6 mm) thick all around (Approved Factory Manufactured) fixed in deodar wood frame 3"x1" (75mm x 25mm) including full hinges C.P. fittings with RCC (1:1½:3) shelves 1½" (40 mm) thick including 3 coats of painting. | Per Sft.              | 66.20  | 334.65    | Sq.m                 | 712.40  | 3600.65   |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |         |           | Spec. No.    | Remarks   |
|---------|---|-----------------------|--------|-----------|----------------------|---------|-----------|--------------|---|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour  | Composite |              |   |
| 25      | Providing and fixing wooden box type wardrobe 22" (550 mm) deep including ¾" (20 mm) thick boxing and shelves, hanger rods, hard board back drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint:-   |                       |        |           |                      |         |           |              | If hollow flush door leaves 1" thick (25 mm) with commercial ply 3 ply on both sides of deodar wood frame and partial wood bracing and deodar wood lipping is used, the composite rate will be reduced by Rs.13.00 per Sft. or Rs.140.00 per Sq. metre. |
|         | i) Partial wood boxing and deodar wood shelves and leaves, etc.   | Per Sft.              | 125.90 | 602.55    | sq.m                 | 1354.75 | 6483.60   |              |   |
|         | ii) Deodar wood boxing, and deodar wood shelves and leaves, etc.  | ditto                 | 124.50 | 765.90    | ditto                | 1339.70 | 8241.00   |              |   |
| 26      | Providing and fixing wardrobe 22" (550 mm) deep consisting of RCC shelves 1½" (40 mm) thick including ½" thick vinboard boxing and back (one side ply) vinboard shutter ¾" (20 mm) thick including deodar wood lipping ¼" (6 mm) on all edges, fixes including deodar wood frame 3"x1" (75mm x 25mm) with hanger rod in centre position drawers at bottom and openable shutter on upper portion including full hinges C.P. fitting and painting 3 coats complete. | Per Sft.              | 48.30  | 522.20    | Sq.m                 | 519.55  | 5619.00   |              |   |
| 27      | Providing and fixing chowkat for doors, windows and C. windows, including holdfast, etc.  |                       |        |           |                      |         |           |              |   |
|         | a) Teak wood  | Per Sft.              | 23.80  | 454.70    | Sq.m                 | 255.90  | 4892.75   |              |   |
|         | b) Deodar wood  | ditto                 | 15.15  | 320.10    | ditto                | 163.05  | 3444.15   |              |   |
|         | c) Shisham wood   | ditto                 | 17.70  | 163.00    | ditto                | 190.70  | 1753.95   |              |   |
| 28      | Making and fixing deodar wood planking in eave boards, etc. planed on both sides, rebated and fixed including nails and screws, bolts and brackets:-  |                       |        |           |                      |         |           | 26.1<br>26.2 |   |
|         | a) 1" (25 mm) thick   | Sft.                  | 28.10  | 256.45    | sq.m                 | 302.55  | 2759.15   |              |   |
|         | b) ¾" (20 mm) thick   | ditto                 | 28.10  | 199.30    | ditto                | 302.55  | 2144.55   |              |   |
|         | c) ½" (13 mm) thick   | ditto                 | 28.10  | 142.45    | ditto                | 302.55  | 1532.55   |              |   |
| 29      | Making and fixing deodar wood shelves, including brackets:-   |                       |        |           |                      |         |           | ditto        |   |
|         | i) 1" (25 mm) thick   | Sft.                  | 28.10  | 256.45    | sq.m                 | 302.55  | 2759.15   |              |   |
|         | ii) 1½" (40 mm) thick   | ditto                 | 28.10  | 370.45    | ditto                | 302.55  | 3985.80   |              |   |
|         | iii) 2" (50 mm) thick   | ditto                 | 28.10  | 484.45    | ditto                | 302.55  | 5212.45   |              |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.     | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|---------------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |               |         |
| 30      | a) Making and fixing cleats for doors and windows, including hinges and screws.   | Each                  | 32.75  | 102.35    | Each                 | 32.75  | 102.35    | 26.1 and 26.2 |         |
|         | b) Making and fixing cleats with brass hooks for roof ventilators.  | Each                  | 42.00  | 77.20     | Each                 | 42.00  | 77.20     |               |         |
|         | c) Providing and fixing door stops of 1½" (40 mm) dia rubber block.   | Each                  | 4.90   | 55.40     | Each                 | 4.90   | 55.40     |               |         |
|         | d) Providing and fixing G.I. hook with clamps for doors.  | Each                  | 1.55   | 9.25      | Each                 | 1.55   | 9.25      |               |         |
| 31      | Hard wood railing of any shape and design, including bends and corners, fixed in position, including polishing complete as directed.                                  |                       |        |           |                      |        |           | ditto         |         |
|         | a) Shisham wood   | Per Rft.              | 121.35 | 265.60    | Metre                | 397.95 | 871.10    |               |         |
|         | b) Teak wood  | ditto                 | 90.95  | 615.05    | ditto                | 298.40 | 2017.45   |               |         |
| 32      | Deodar wood dado or picture rail 3"x1½" (75x40 mm) as per approved design including moulding and fixed in place, cost of screws, nails, plugs, and painting complete. | Per Rft.              | 45.50  | 192.95    | Metre                | 149.20 | 632.85    | 26.1<br>26.2  |         |
| 33      | Sawing wood by hand:-   |                       |        |           |                      |        |           |               |         |
|         | a) Soft wood (deodar, kail or chir).  | 100Sft.               | 524.70 | -         | sq.m                 | 56.45  | -         |               |         |
|         | b) Hard wood (shisham, kikar, teak or sahl).  | ditto                 | 699.60 | -         | ditto                | 75.30  | -         |               |         |
| 34      | Sawing wood by machine:   |                       |        |           |                      |        |           |               |         |
|         | a) Soft wood  | 100Sft.               | 314.38 | -         | sq.m                 | 33.85  | -         |               |         |
|         | b) Hard wood  | ditto                 | 472.35 | -         | ditto                | 50.85  | -         |               |         |
| 35      | Making and fixing sun-shade of deodar wood including fixing brackets.   | Per Sft.              | 38.60  | 312.40    | sq.m                 | 415.45 | 3361.45   | 26.1          |         |
| 36      | Making and fixing 1" (25 mm) thick kail or chir wooden notice board with frame.   | Per Sft.              | 43.75  | 113.80    | sq.m                 | 470.75 | 1224.50   | ditto         |         |
| 37      | Making deodar punkha pole 10'x6"x6" (3.0 m x 150 mm x 150 mm)   | Each                  | 163.70 | 6211.70   | Each                 | 163.70 | 6211.70   | ditto         |         |
| 38      | Dismantling and refixing eave boards.   | Per Rft.              | 11.70  | --        | Metre                | 38.35  | --        |               |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|--|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |  |
| 39      | Making wooden stair-cases complete 2' to 3' (600 to 900 mm) wide frame 1½" (40 mm) thick planks of deodar wood, including hand rails.   | Per Rft.              | 174.90  | 1959.25   | Metre                | 573.70 | 6426.35   | 26.1      |  |
| 40      | Providing and fixing partition, including frame work:-  |                       |         |           |                      |        |           |           |  |
|         | a) Sheets on one side of framework:-  |                       |         |           |                      |        |           |           |  |
|         | i) Hard board   | 100Sft.               | 819.85  | 10555.90  | sq.m                 | 88.20  | 1135.80   |           |  |
|         | ii) Ply wood ¼" (6 mm) thick  | ditto                 | 819.85  | 11815.90  | ditto                | 88.20  | 1271.40   |           |  |
|         | iii) Masonite   | ditto                 | 819.85  | 12319.90  | ditto                | 88.20  | 1325.60   |           |  |
|         | b) Sheets on both sides of frame work:-   |                       |         |           |                      |        |           |           |  |
|         | i) Hard board   | 100Sft.               | 983.80  | 12007.90  | sq.m                 | 105.85 | 1292.05   |           |  |
|         | ii) Ply wood ¼" (6 mm) thick  | ditto                 | 983.80  | 22262.45  | ditto                | 105.85 | 2395.45   |           |  |
|         | iii) Masonite   | ditto                 | 983.80  | 15535.90  | ditto                | 105.85 | 1671.65   |           |  |
| 41      | Providing and fixing ceiling, including frame work:-  |                       |         |           |                      |        |           |           |  |
|         | i) Hard board   | 100Sft.               | 1636.25 | 8131.50   | sq.m                 | 176.05 | 874.95    |           |  |
|         | ii) Chip board  | ditto                 | 1636.25 | 10291.50  | ditto                | 176.05 | 1107.35   |           |  |
|         | iii) Ply wood ¼" (6 mm) thick   | ditto                 | 1636.25 | 10411.50  | ditto                | 176.05 | 1120.30   |           |  |
|         | iv) Masonite  | ditto                 | 1636.25 | 10051.50  | ditto                | 176.05 | 1081.55   |           |  |
| 42      | Providing and fixing thermopore false ceiling, including wooden frame panelling, cost of M.S. clamps, making holes in walls and repairing damaged surface, complete in all respects:- |                       |         |           |                      |        |           |           | In case of acoustic Thermopore sheet, the composite rate will be increased by Rs.9.00 per Sft. |
|         | a) Deodar wood frame panelling:   |                       |         |           |                      |        |           |           |  |
|         | i) ¾" (20 mm) thick   | 100Sft.               | 1819.60 | 7913.70   | sq.m                 | 195.80 | 851.50    |           |  |
|         | ii) 1" (25 mm) thick  | ditto                 | 1819.60 | 7992.25   | ditto                | 195.80 | 859.95    |           |  |
|         | b) Partal wood frame panelling:   |                       |         |           |                      |        |           |           |  |
|         | i) ¾" (20 mm) thick   | 100Sft.               | 1819.60 | 5491.20   | sq.m                 | 195.80 | 590.85    |           |  |
|         | ii) 1" (25 mm) thick  | ditto                 | 1819.60 | 5617.20   | ditto                | 195.80 | 604.40    |           |  |
| 43      | a) Fixing door, including chowkats.   | Each                  | 260.70  | -         | Each                 | 260.70 | -         |           |  |
|         | b) Fixing windows, including chowkats.  | ditto                 | 130.35  | -         | ditto                | 130.35 | -         |           |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |         |           | Spec. No. | Remarks  |
|---------|--|-----------------------|--------|-----------|----------------------|---------|-----------|-----------|--|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour  | Composite |           |  |
| 44      | a) Glazing with panes (16 oz. to 18 oz.,) including cost of putty.   | Per Sft.              | 18.75  | 46.25     | sq.m                 | 201.65  | 497.70    | 26.12     |  |
|         | b) Glazing with panes (16 oz. to 18 oz.) using deodar wooden fillets and putty.  | Per Sft.              | 24.20  | 74.75     | sq.m                 | 260.30  | 804.45    |           |  |
| 45      | Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.  | Per Sft.              | 35.60  | 82.85     | sq.m                 | 383.30  | 891.60    | 26.12     |  |
| 46      | a) Cutting to required size and fixing glass panes with putty  | Per Sft.              | 13.35  | 14.45     | sq.m                 | 143.55  | 155.55    |           |  |
|         | b) Cutting to required size and fixing glass panes with wooden fillets and putty.  | Per Sft.              | 19.70  | 35.65     | sq.m                 | 211.70  | 383.60    |           |  |
| 47      | Glazing with plate glass 1/4" (6 mm) thick including the cost of deodar wood fillets and putty:-   |                       |        |           |                      |         |           |           |  |
|         | a) Glazing upto 8 sft (0.75 sq.m)  | Per Sft.              | 30.15  | 92.00     | sq.m                 | 324.65  | 989.90    |           |  |
|         | b) Glazing exceeding 8 Sft (0.75 sq.m) but not exceeding 24 sf (2.25 sq.m).  | Per Sft.              | 30.15  | 92.20     | sq.m                 | 324.65  | 992.00    |           |  |
| 48      | Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respect: (excluding sliding bolt or lock) with:-  |                       |        |           |                      |         |           |           |  |
|         | i) M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)  | Per Sft.              | 117.15 | 590.25    | sq.m                 | 1260.75 | 6351.00   |           |  |
|         | ii) M.S. tee iron 1½"x1½"x¼", welded (40 mmx40 mmx 6mm) with M.S. flat ½"x¼" (13 mm x 6 mm)  | Per Sft.              | 117.15 | 543.55    | sq.m                 | 1260.75 | 5848.35   |           |  |
| 49      | Providing and fixing 1½" (40 mm) thick hollow flush doors and windows with commercial ply (3 ply) on both faces of deodar wood shutter frame 1¼" (30 mm) thick and partial wood braces at about 3" (75 mm) apart and deodar wood lipping 1½"x3/8" (40 mmx10 mm) fixed with M.S. chowkat (frame) including chromium plated fittings, etc. complete in all respects (without sliding bolt or lock):- |                       |        |           |                      |         |           |           |  |
|         | i) M.S. angle iron 1½"x1½"x¼", welded (40 mmx40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)   | Per Sft.              | 82.40  | 497.35    | sq.m                 | 886.40  | 5351.40   |           | Teak ply would be used under the written permission of the superintending Engineer, and the composite rate of using teak ply will be increased by Rs.20.00 per Sft. ( 216.00 per Sq.m) |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|--|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |  |
|         | ii) M.S. tee iron 1½"x1½"x¼", welded (40 mmx40 mmx 6mm) with M.S. flat ½"x¼" (13 mm x 6 mm)  | Per Sft.              | 82.40  | 462.00    | sq.m                 | 886.40 | 4970.95   |           |  |
| 50      | Providing and fixing 1½" (40mm) thick solid flush door shutter (Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect. | Per Sft.              | 42.85  | 329.55    | sq.m                 | 460.90 | 3546.05   |           | It C.P. Finger plate and kick plate are not provided/fixe the composite rate will be reduced by Rs.15.20 per Sft. Reduce composite rate by Rs.20.00 per. Sq/ft or Rs.215 per sq.meter if 3-mm commercial ply is used |
| 51      | Providing and fixing panelled door of M.S. sheet, with forged door leaves of M.S. sheet 22 SWG fitted in hollow frame chowkat 3"x4½" (75 mmx113 mm) made of M.S. sheet 18 SWG filled with plain cement concrete 1:3:6 etc. complete with all fittings and hammer painting, including carriage to site and fixing in position.                                    | Per Sft.              | 80.40  | 385.40    | sq.m                 | 864.85 | 4146.70   |           |  |
| 52      | Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.  | Per Rft.              | 17.60  | 31.10     | Metre                | 57.80  | 102.10    |           |  |
| 53      | Providing and fitting curtain railing to doors and windows, comprising of TOSO-elite Japan made superior type of railing or equivalent, fixed over 4"x¾" (100mmx20mm) deodar wood strip, including painting.   | Per Rft.              | 7.35   | 116.85    | Metre                | 24.10  | 383.20    |           |  |
| 54      | Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.   | Per Sft.              | 41.70  | 176.40    | sq.m                 | 448.95 | 1897.80   |           |  |
| 55      | Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm <sup>2</sup> ) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.  | Per Sft.              | 14.05  | 54.40     | sq.m                 | 151.05 | 585.40    |           |  |
| 56      | Providing and fixing wooden moulding stopper 2½"x5/8" (63 x 16 mm) on door frame fitted with ply of approved quality complete in all respects.   |                       |        |           |                      |        |           |           |  |
|         | a) Teak wood moulding  | Per Sft.              | 18.35  | 100.25    | sq.m                 | 197.50 | 1078.75   |           |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|--|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |  |
|         | b) Deodar wood moulding   | ditto                 | 18.35  | 54.65     | ditto                | 197.50 | 587.85    |           |  |
| 57      | Providing and fixing deodar wood dolly frame having 1½"x1½" (40 x 40 mm) vertical and horizontal double post with 1½"x1½" (40 x 40 mm) full width of jamed braces at 12" (300 mm) including filling of the spaces in between braces with 1:3:6 PCC fixing ply of approved quality including holdfasts complete in all respects. |                       |        |           |                      |        |           |           | Rate shall be paid as per surface area of dolly frame e-g 0.75' x (3.5' + (2 x 7)) |
|         | a) Teak wood ply  | Per Sft.              | 40.35  | 274.85    | sq.m                 | 434.30 | 2957.20   |           |  |
|         | b) With commercial ply  | ditto                 | 40.35  | 267.75    | ditto                | 434.30 | 2880.80   |           |  |
| 58      | Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respect.  |                       |        |           |                      |        |           |           |  |
|         | a) Teak wood architrave   | Per Sft.              | 8.00   | 62.65     | sq.m                 | 85.85  | 674.05    |           |  |
|         | b) Deodar wood architrave   | ditto                 | 8.00   | 31.70     | ditto                | 85.85  | 341.00    |           |  |
| 59      | Providing and fixing Vin board cabinet ¾" thick with drawers 3" deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects.  |                       |        |           |                      |        |           |           |  |
|         | i) 1-1/2' deep,without back   | Per Sft               | 90.65  | 467.95    | sq.m                 | 975.35 | 5035.15   |           |  |
|         | ii) 1-1/2' deep,with back   | Per Sft               | 90.65  | 515.95    | sq.m                 | 975.35 | 5551.65   |           |  |
|         | iii) 2' deep,without back   | Per Sft               | 90.65  | 514.75    | sq.m                 | 975.35 | 5538.70   |           |  |
|         | iv) 2' deep,with back   | Per Sft               | 90.65  | 562.75    | sq.m                 | 975.35 | 6055.20   |           |  |

## 13. PAINTING AND VARNISHING

1 The rates include charges for scaffolding and other arrangements

2 The rates for all finished works include the removal of surplus debris, unused material and by products

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.              | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|------------------------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |                        |         |
| 1       | a) Cleaning painted wood work with oil and water.  | 100 Sft.              | 91.10  | 123.65    | sq.m                 | 9.80   | 13.30     |                        |         |
|         | b) Oiling woodwork with boiled linseed oil.  | 100 Sft.              | 60.70  | 107.50    | sq.m                 | 6.55   | 11.55     | 27.7                   |         |
| 2       | Brushing and scraping blisters of old paints from woodwork.  | 100 Sft.              | 182.15 | --        | sq.m                 | 19.60  | -         | 27.3                   |         |
| 3       | Scraping, brushing and removing old paint from metal surface.  | 100 Sft.              | 728.65 | --        | sq.m                 | 78.40  | -         | 27.9                   |         |
| 4       | Painting old surfaces:-  |                       |        |           |                      |        |           | 27.1<br>27.3 &<br>27.9 |         |
|         | a) Painting corrugated surfaces, patent roofing, etc. with oil paint.  |                       |        |           |                      |        |           |                        |         |
|         | i) first coat  | 100 Sft.              | 229.40 | 401.00    | sq.m                 | 24.70  | 43.15     |                        |         |
|         | ii) each subsequent coat   | ditto                 | 173.80 | 261.40    | ditto                | 18.70  | 28.15     |                        |         |
|         | b) Painting sashes, fanlights, glazed or gauzed doors and windows:-  |                       |        |           |                      |        |           |                        |         |
|         | i) first coat  | 100 Sft.              | 139.05 | 230.25    | sq.m                 | 14.95  | 24.75     |                        |         |
|         | ii) each subsequent coat   | ditto                 | 118.20 | 192.60    | ditto                | 12.70  | 20.70     |                        |         |
|         | c) Painting doors and windows, any type:   |                       |        |           |                      |        |           |                        |         |
|         | i) first coat  | 100 Sft.              | 229.40 | 404.60    | sq.m                 | 24.70  | 43.55     |                        |         |
|         | ii) each subsequent coat   | ditto                 | 173.80 | 307.00    | ditto                | 18.70  | 33.05     |                        |         |
|         | d) Painting guard bars, gates of iron bars, gratings, railing (including standards, braces etc.) and similar open work:- |                       |        |           |                      |        |           |                        |         |
|         | i) first coat  | 100 Sft.              | 139.05 | 230.25    | sq.m                 | 14.95  | 24.75     |                        |         |
|         | ii) each subsequent coat   | ditto                 | 118.20 | 192.60    | ditto                | 12.70  | 20.70     |                        |         |
|         | e) Painting fillets, framings, skirtings, pipes, gutters and similar linear work not exceeding 6" in girth:-             |                       |        |           |                      |        |           |                        |         |



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| Sr. No. | Description   | Rate (British System) |                  |                   | Rate (Metric System) |                  |                   | Spec. No.              | Remarks |
|---------|---|-----------------------|------------------|-------------------|----------------------|------------------|-------------------|------------------------|---------|
|         |   | Unit                  | Labour           | Composite         | Unit                 | Labour           | Composite         |                        |         |
|         | i) first coat<br>ii) each subsequent coat   | 100 Lft.<br>ditto     | 118.20<br>83.40  | 209.40<br>157.80  | Metre<br>ditto       | 3.90<br>2.75     | 6.85<br>5.20      |                        |         |
| f)      | Painting small detached articles, not exceeding one square foot (Sq.m) of painted surface:-   |                       |                  |                   |                      |                  |                   |                        |         |
|         | i) first coat<br>ii) each subsequent coat   | 100 Nos.<br>ditto     | 350.65<br>316.80 | 522.25<br>408.00  | 100 Nos.<br>ditto    | 350.65<br>316.80 | 522.25<br>408.00  |                        |         |
| g)      | Painting small detached articles, exceeding one square foot (Sq.m) but not exceeding three square feet (Sq.m) of painted surface:-              |                       |                  |                   |                      |                  |                   |                        |         |
|         | i) first coat<br>ii) each subsequent coat   | 100 Nos<br>ditto      | 801.45<br>465.75 | 1312.65<br>721.35 | 100 Nos<br>ditto     | 801.45<br>465.75 | 1312.65<br>721.35 |                        |         |
| 5       | Painting new surface:-  |                       |                  |                   |                      |                  |                   | 27.1<br>27.2 &<br>27.9 |         |
| a)      | Preparing surface and painting corrugated surface, patent roofing, etc.   |                       |                  |                   |                      |                  |                   |                        |         |
|         | i) priming coat.<br>ii) each subsequent coat of paint.  | 100 Sft.<br>ditto     | 348.35<br>122.20 | 571.55<br>335.80  | sq.m<br>ditto        | 37.50<br>13.15   | 61.50<br>36.15    |                        |         |
| b)      | Preparing surface and painting sashes, fan light, glazed or gauzed doors and windows etc. any type (including edges):-                          |                       |                  |                   |                      |                  |                   |                        |         |
|         | i) priming coat.<br>ii) each subsequent coat of paint.  | 100 Sft.<br>ditto     | 146.65<br>100.10 | 300.85<br>221.30  | sq.m<br>ditto        | 15.80<br>10.75   | 32.35<br>23.80    |                        |         |
| c)      | Preparing surface and painting of doors and windows any type (including edges):-  |                       |                  |                   |                      |                  |                   |                        |         |
|         | i) priming coat.<br>ii) each subsequent coat of paint.  | 100 Sft.<br>ditto     | 348.35<br>122.20 | 567.95<br>335.80  | sq.m<br>ditto        | 37.50<br>13.15   | 61.10<br>36.15    |                        |         |
| d)      | Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- |                       |                  |                   |                      |                  |                   |                        |         |
|         | i) priming coat.<br>ii) each subsequent coat of paint.  | 100 Sft.<br>ditto     | 224.25<br>100.10 | 357.45<br>221.30  | sq.m<br>ditto        | 24.15<br>10.75   | 38.45<br>23.80    |                        |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
| e)      | Preparing surface and painting of fillets, framing, skirtings, pipes, gutters, and similar linear work not exceeding 6" (150 mm) girth:- |                       |         |           |                      |         |           |           |         |
|         | i) priming coat.   | 100 Lft.              | 177.30  | 278.10    | Metre                | 5.80    | 9.10      |           |         |
|         | ii) each subsequent coat of paint.   | ditto                 | 66.75   | 166.35    | ditto                | 2.20    | 5.45      |           |         |
| f)      | Preparing surface and painting of small detached articles, not exceeding one sq. ft. (Sq.m) of painted surface:-                         |                       |         |           |                      |         |           |           |         |
|         | i) priming coat.   | 100 Nos.              | 521.40  | 1053.60   | 100 Nos.             | 521.40  | 1053.60   |           |         |
|         | ii) each subsequent coat of paint.   | ditto                 | 256.85  | 680.45    | ditto                | 256.85  | 680.45    |           |         |
| g)      | Preparing surface and painting of small detached articles, exceeding one Sft. but not exceeding 3 Sft. (Sq.m) of painted surface:-       |                       |         |           |                      |         |           |           |         |
|         | i) priming coat.   | 100 Nos.              | 1483.35 | 2354.55   | 100 Nos.             | 1483.35 | 2354.55   |           |         |
|         | ii) each subsequent coat of paint.   | ditto                 | 445.50  | 1205.10   | ditto                | 445.50  | 1205.10   |           |         |
| h)      | Extra for knotting and stopping to priming coat on new surface of wood.  | 100 Sft.              | 23.50   | 38.60     | sq.m                 | 2.55    | 4.15      |           |         |
| 6       | Applying Khanki Mixture hot to barrage gates:-   |                       |         |           |                      |         |           | 27.10     |         |
|         | i) first coat  | 100 Sft.              | 173.80  | 434.70    | sq.m                 | 18.70   | 46.75     |           |         |
|         | ii) second coat  | ditto                 | 138.55  | 304.40    | ditto                | 14.90   | 32.75     |           |         |
| 7       | French polishing complete:-  |                       |         |           |                      |         |           | 27.6      |         |
|         | a) on new work   | 100 Sft.              | 1770.70 | 1833.10   | sq.m                 | 190.55  | 197.25    |           |         |
|         | b) on old work   | ditto                 | 931.55  | 965.15    | ditto                | 100.25  | 103.85    |           |         |
| 8       | Varnishing wood work, including cleaning and preparing surface.  |                       |         |           |                      |         |           |           |         |
|         | a) first coat  | 100 Sft.              | 139.05  | 263.25    | sq.m                 | 14.95   | 28.35     |           |         |
|         | b) second coat   | ditto                 | 52.15   | 146.30    | ditto                | 5.60    | 15.75     |           |         |
|         | c) third coat  | ditto                 | 52.15   | 126.70    | ditto                | 5.60    | 13.65     |           |         |
| 9       | Bitumen coating to plastered or cement concrete surface:-  |                       |         |           |                      |         |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System)      |        |           | Rate (Metric System)        |        |           | Spec. No. | Remarks |
|---------|---|----------------------------|--------|-----------|-----------------------------|--------|-----------|-----------|---------|
|         |   | Unit                       | Labour | Composite | Unit                        | Labour | Composite |           |         |
|         | i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)  | 100 Sft.                   | 151.80 | 1154.35   | sq.m                        | 16.35  | 124.20    |           |         |
|         | ii) 14 lbs. per 100 Sft. (6.35 Kg per Sq.m)   | ditto                      | 145.75 | 655.20    | ditto                       | 15.70  | 70.50     |           |         |
|         | iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m)  | ditto                      | 120.25 | 629.70    | ditto                       | 12.95  | 67.75     |           |         |
| 10      | Writing letters or figures, per letter, per inch (25 mm) height.  | Per No.                    | 6.95   | 7.55      | Per No.                     | 6.95   | 7.55      | 27.1      |         |
| 11      | Writing letters or figures at any surface with reflective paint of approved quality and colour per letter per inch height.        | Per Letter per inch height | 6.95   | 7.30      | Per Letter per 25 mm height | 6.95   | 7.30      | 27.1      |         |
| 12      | Writing letters of figures on any surface with reflective tape of approved quality and colour per letter per inch (25 mm) height. | ditto                      | 8.15   | 9.00      | ditto                       | 8.15   | 9.00      | ditto     |         |
| 13      | Coaltar painting:   |                            |        |           |                             |        |           | 27.8      |         |
|         | a) first coat, laid hot   | 100 Sft.                   | 121.95 | 911.15    | sq.m                        | 13.10  | 98.05     | 27.11     |         |
|         | b) second coat, laid hot  | ditto                      | 73.90  | 572.05    | ditto                       | 7.95   | 61.55     |           |         |
| 14      | Solignum painting:-   |                            |        |           |                             |        |           | 27.8      |         |
|         | a) one coat, applied hot  | 100 Sft.                   | 129.25 | 155.65    | sq.m                        | 13.90  | 16.75     |           |         |
|         | b) two coats, applied hot   | ditto                      | 195.80 | 238.05    | ditto                       | 21.05  | 25.60     |           |         |
| 15      | Creosote painting:-   |                            |        |           |                             |        |           | ditto     |         |
|         | a) one coat, applied hot  | 100 Sft.                   | 155.05 | 270.25    | sq.m                        | 16.70  | 29.10     |           |         |
|         | b) two coats, applied hot   | ditto                      | 234.95 | 428.15    | ditto                       | 25.30  | 46.05     |           |         |
| 16      | Burning off or rubbing down with pumice stone, old paint from wood work.  | 100 Sft.                   | 460.70 | 476.30    | sq.m                        | 49.55  | 51.25     | 27.3      |         |
| 17      | Removing with caustic soda, old paint from wood work.   | 100 Sft.                   | 182.15 | 189.90    | sq.m                        | 19.60  | 20.45     | ditto     |         |
| 18      | Painting distance marks for white ground and black lettering on both sides.   | Each                       | 34.75  | 41.35     | Each                        | 34.75  | 41.35     | 27.1      |         |
| 19      | Painting two feet wide gauges, reading to 10th of a foot (metre).   | Per Rft.                   | 69.50  | 82.25     | per Metre                   | 228.05 | 269.75    | ditto     |         |
| 20      | Painting sounding rods and other gauges, reading to 10th  | Per Lft.                   | 34.75  | 38.70     | per Metre                   | 114.00 | 127.00    | 27.1      |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

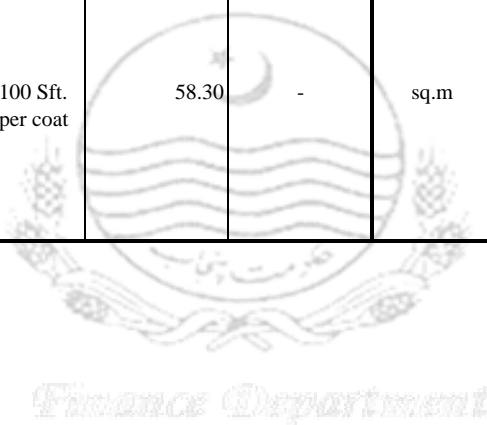
| Sr. No. | Description  | Rate (British System)      |        |           | Rate (Metric System)        |        |           | Spec. No.     | Remarks |
|---------|--|----------------------------|--------|-----------|-----------------------------|--------|-----------|---------------|---------|
|         |  | Unit                       | Labour | Composite | Unit                        | Labour | Composite |               |         |
|         | of a foot (metre)  |                            |        |           |                             |        |           |               |         |
| 21      | Painting leveling staves.                                      | Per Lft.                   | 108.70 | 115.05    | per Metre                   | 356.45 | 377.35    |               |         |
| 22      | a) Painting and lettering mile/Km stones, on both sides:       |                            |        |           |                             |        |           | ditto         |         |
|         | i) one coat  | Each                       | 74.50  | 120.10    | Each                        | 74.50  | 120.10    |               |         |
|         | ii) two coats  | ditto                      | 130.35 | 203.55    | ditto                       | 130.35 | 203.55    |               |         |
|         | b) Painting and lettering Furlong/½ Km stones, on both sides:- |                            |        |           |                             |        |           | 27.1          |         |
|         | i) one coat  | Each                       | 9.95   | 15.35     | Each                        | 9.95   | 15.35     |               |         |
|         | ii) two coats  | ditto                      | 17.40  | 26.85     | ditto                       | 17.40  | 26.85     |               |         |
|         | c) Painting and lettering Sign posts:-                         |                            |        |           |                             |        |           |               |         |
|         | i) one coat  | Each                       | 83.40  | 113.00    | Each                        | 83.40  | 113.00    |               |         |
|         | ii) two coats  | ditto                      | 137.65 | 188.05    | ditto                       | 137.65 | 188.05    |               |         |
| 23      | Removing paint or varnish from wall.                           | 100 Sft.                   | 364.30 | -         | sq.m                        | 39.20  | -         | 27.12         |         |
| 24      | Scraping from hydraulic gates:-                                |                            |        |           |                             |        |           | 27.1          |         |
|         | a) Khanki paint  | 100 Sft.                   | 728.65 | -         | sq.m                        | 78.40  | -         |               |         |
|         | b) Aluminium paint   | ditto                      | 728.65 | -         | ditto                       | 78.40  | -         |               |         |
| 25      | Painting letters with shade.                                   | per letter per inch height | 11.10  | 11.10     | per letter per 25 mm height | 11.10  | 11.10     | 27.1          |         |
| 26      | Scraping rust from old rail or girders.                        | 100 Sft.                   | 546.50 | 585.50    | sq.m                        | 58.80  | 63.00     | 27.9<br>27.10 |         |
| 27      | Chiselling old paint from brick work.                          | 100 Sft.                   | 728.65 | 758.65    | sq.m                        | 78.40  | 81.65     | 27.12         |         |
| 28      | Cleaning glasses with chalk and spirit, etc.                   | 100 Sft.                   | 607.20 | 621.40    | sq.m                        | 65.35  | 66.85     |               |         |
| 29      | Cleaning and oiling rafter or rolled steel beams.              | 100 Sft.                   | 182.15 | 225.80    | sq.m                        | 19.60  | 24.30     | 27.9          |         |
| 30      | Cleaning and painting punkha poles, including fixing           | Each                       | 115.50 | 123.30    | Each                        | 115.50 | 123.30    | 27.3          |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |  |         |
|         | hooks.   |                       |        |           |                      |        |           |  |         |
| 31      | Preparing surface and painting with emulsion paint:-   |                       |        |           |                      |        | 27.12     |  |         |
|         | a) first coat  | 100 Sft.              | 176.95 | 358.80    | sq.m                 | 19.05  | 38.60     |  |         |
|         | b) 2nd and each subsequent coat  | ditto                 | 135.70 | 278.30    | ditto                | 14.60  | 29.95     |  |         |
| 32      | Preparing surface and painting with water proof coloured cement finish, like duracem, buxcem or other finishes with similar specifications, on walls, etc.                       |                       |        |           |                      |        | 27.12     |  |         |
|         | a) new surface:  |                       |        |           |                      |        |           |  |         |
|         | i) 1st coat  | 100 Sft.              | 176.95 | 256.15    | sq.m                 | 19.05  | 27.55     |  |         |
|         | ii) 2nd and subsequent coat  | ditto                 | 135.70 | 205.10    | ditto                | 14.60  | 22.05     |  |         |
|         | b) old surface:  |                       |        |           |                      |        |           |  |         |
|         | i) 1st coat  | 100 Sft.              | 176.95 | 210.30    | sq.m                 | 19.05  | 22.65     |  |         |
|         | ii) 2nd and subsequent coat  | ditto                 | 135.70 | 168.40    | ditto                | 14.60  | 18.10     |  |         |
| 32A     | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: |                       |        |           |                      |        |           |  |         |
|         | a) new surface:  |                       |        |           |                      |        |           |  |         |
|         | i) 1st coat  | %sft                  | 599.30 | 1056.30   | sq.m                 | 64.50  | 113.65    |  |         |
|         | ii) 2nd coat   | %sft                  | 329.00 | 530.00    | sq.m                 | 35.40  | 57.05     |  |         |
|         | b) old surface:  | %sft                  | 329.00 | 530.00    | sq.m                 | 35.40  | 57.05     |  |         |
| 33      | Painting traffic lane 5" (125 mm) wide, with road marking enamel.  | Per Rft.              | 1.05   | 1.90      | Metre                | 3.40   | 6.25      |  |         |
| 34      | Painting traffic lane 5" (125 mm) wide with reflective chlorinated rubber (CR) paint including glass beads complete in all respect.  | Per Rft.              | 1.25   | 9.30      | Metre                | 4.05   | 30.45     | AASHTO M248-91 (2000)  |         |
| 35      | Repainting of ceiling fan (all sizes and types), including painting of blades, canopy, suspension rod and regulator, with suitable enamel paint.                                 | Per Job               | 41.95  | 74.35     | Job                  | 41.95  | 74.35     | Rates shall be reduced by <b>Rs.0.50</b> P.Rft or <b>Rs.1.65</b> P.Mtr. If glass beads are not used. |         |
| 36      | Repainting of iron poles with cross arms, with bitumen or  | Per Job               | 97.90  | 214.30    | Job                  | 97.90  | 214.30    |  |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|--|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |  |         |
|         | other approved paint.   |                       |        |           |                      |        |           |  |         |
| 37      | Repainting of pipes and specials of G.I., M.S. or conduit, etc., fixed for on surface electric wiring, with approved paint:                                       |                       |        |           |                      |        |           |  |         |
|         | i) upto 40 mm (1½") dia   | Per Rft.              | 0.90   | 2.95      | Metre                | 2.95   | 6.60      |  |         |
|         | ii) above 40 mm (1½") to 50 mm (2") dia   | ditto                 | 1.80   | 3.70      | ditto                | 5.85   | 12.20     |  |         |
|         | iii) above 50 mm (2") to 100 mm (4") dia  | ditto                 | 3.00   | 5.85      | ditto                | 9.80   | 19.25     |  |         |
| 38      | Repainting main switches and branch distribution boards of all sizes and types, with approved paint (complete set).   | Per Job               | 19.40  | 65.95     | Job                  | 19.40  | 65.95     |  |         |
| 39      | Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height, or part thereof, requiring scaffolding. | 100 Sft. per coat     | 58.30  | -         | sq.m                 | 6.25   | -         | The height will be taken from the floor, roof or ground underneath, as the case may be on the side towards which the work is to be done. |         |



# 14. LINING OF CANALS

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts
- 2 The rates also include curing for specified period wherever necessary.
- 3 Nominal dimension of tile or brick shall be taken for the purpose of measurement and payment.

## MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.    | Remarks  |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|--------------|--|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |              |  |
| 1       | Formation, dressing and preparing sub-grade:-                           |                       |         |           |                      |         |           | 28.1 to 28.3 |  |
|         | a) in bed   | 100Sft.               | 402.50  | -         | sq.m                 | 43.30   | -         |              |  |
|         | b) on slope   | ditto                 | 549.10  | -         | ditto                | 59.10   | -         |              |  |
| 2       | Stabilized layer of cement, sand ratio 1:30, 2" (50 mm) thick on slope. | 100Sft.               | 966.25  | 1441.45   | sq.m                 | 103.95  | 155.10    | ditto        |  |
| 3       | Cement plaster ½" (13 mm) thick ratio 1:10.                             |                       |         |           |                      |         |           | ditto        |  |
|         | a) in bed   | 100Sft.               | 704.20  | 930.85    | sq.m                 | 75.75   | 100.15    |              |  |
|         | b) on slope   | ditto                 | 875.15  | 1101.80   | ditto                | 94.15   | 118.55    |              |  |
| 4       | Cement plaster 3/8" (10 mm) thick ratio 1:3.                            |                       |         |           |                      |         |           | ditto        |  |
|         | a) in bed   | 100Sft.               | 704.20  | 1097.05   | sq.m                 | 75.75   | 118.05    |              |  |
|         | b) on slope   | ditto                 | 875.15  | 1268.05   | ditto                | 94.15   | 136.45    |              |  |
| 5       | Cement plaster 1½" (40 mm) thick ratio 1:6.                             |                       |         |           |                      |         |           | ditto        |  |
|         | a) in bed   | 100Sft.               | 875.15  | 1824.25   | sq.m                 | 94.15   | 196.30    |              |  |
|         | b) on slope   | ditto                 | 1083.70 | 2032.80   | ditto                | 116.60  | 218.75    |              |  |
| 6       | Tile lining 12"x6"x2" (300x 150x50 mm) in 1:6 cement, sand mortar:-     |                       |         |           |                      |         |           | 28.2 to 28.3 | The rates are only for laying tiles over 1/8" (3 mm) thick layer of 1:6 mortar. Items 1 to 5 above are payable separately. |
|         | a) in bed   | 100Cft.               | 4092.00 | 13527.70  | cu.m                 | 1445.30 | 4778.00   |              |  |
|         | b) on slope   | ditto                 | 4694.25 | 14129.95  | ditto                | 1658.00 | 4990.70   |              |  |
| 7       | Tile lining 12"x6"x2" (300x150x50 mm) in 1:3 cement, sand mortar:-      |                       |         |           |                      |         |           | 28.2 to 28.3 | The rates are only for laying tiles over 1/8" (3 mm) thick layer of 1:3 mortar. Items 1 to 5 above are payable separately. |
|         | a) in bed   | 100Cft.               | 4092.00 | 14816.40  | cu.m                 | 1445.30 | 5233.15   |              |  |
|         | b) on slope   | ditto                 | 4694.25 | 15418.65  | ditto                | 1658.00 | 5445.85   |              |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.         | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-------------------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |                   |   |
| 8       | Brick lining 9"x4½"x3" (225x113x75 mm) in 1:6 cement, sand mortar:-        |                       |         |           |                      |         |           | 28.2              | The rates are only for laying bricks over 1/8" (3 mm) thick layer of 1:6 mortar. Items 1 to 5 above are payable separately. |
|         | a) in bed  | 100Cft.               | 4092.00 | 15579.70  | cu.m                 | 1445.30 | 5502.75   |                   |   |
|         | b) on slope  | ditto                 | 4694.25 | 16181.95  | ditto                | 1658.00 | 5715.45   |                   |   |
| 9       | Brick lining 9"x4½"x3" (225x113x75 mm), in 1:3 cement, sand mortar:-       |                       |         |           |                      |         |           | ditto             | The rates are only for laying bricks over 1/8" (3 mm) thick layer of 1:3 mortar. Items 1 to 5 above are payable separately. |
|         | a) in bed  | 100Cft.               | 4092.00 | 16868.40  | cu.m                 | 1445.30 | 5957.90   |                   |   |
|         | b) on slope  | ditto                 | 4694.25 | 17470.65  | ditto                | 1658.00 | 6170.65   |                   |   |
| 10      | Cement concrete lining, using washed screened and graded stone aggregate:- |                       |         |           |                      |         |           | 20.1, 28.1 & 28.3 |   |
|         | a) in bed:-  |                       |         |           |                      |         |           |                   |   |
|         | i) ratio 1:2:4   | 100Cft.               | 3597.00 | 16416.85  | cu.m                 | 1270.45 | 5798.45   |                   |   |
|         | ii) ratio 1:3:6  | ditto                 | 3597.00 | 14200.20  | ditto                | 1270.45 | 5015.50   |                   |   |
|         | iii) ratio 1:4:8   | ditto                 | 3597.00 | 12605.65  | ditto                | 1270.45 | 4452.30   |                   |   |
|         | b) on slope:-  |                       |         |           |                      |         |           |                   |   |
|         | i) ratio 1:2:4   | 100Cft.               | 4153.05 | 16972.90  | cu.m                 | 1466.85 | 5994.85   |                   |   |
|         | ii) ratio 1:3:6  | ditto                 | 4153.05 | 14756.25  | ditto                | 1466.85 | 5211.90   |                   |   |
|         | iii) ratio 1:4:8   | ditto                 | 4153.05 | 13161.70  | ditto                | 1466.85 | 4648.70   |                   |   |



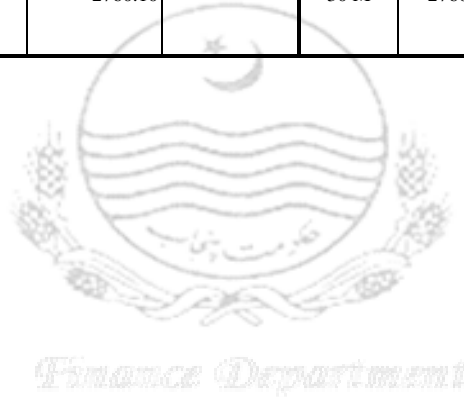
# 15. SHEET PILING

Rates for all finished works include the removal of surplus debris, unused material and by products

| MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL |   |                       |         |           |                      |         |           |              |  |
|---|---|-----------------------|---------|-----------|----------------------|---------|-----------|--------------|--|
| Sr. No.   | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.    | Remarks  |
|   |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |              |  |
| 1   | Cutting Ransome and Larson piles.                                     | Per cut               | 117.50  | -         | Per cut              | 117.50  | -         | 29.1-29.3    |  |
| 2   | Cutting universal piles.  | Per cut               | 173.85  | -         | Per cut              | 173.85  | -         | ditto        |  |
| 3   | Driving steel piles, 25' to 30'. (7.5 to 9.0 m)                       | 100Sft.               | 2299.45 | -         | sq.m                 | 247.40  | -         | ditto        | 1) The rate includes laying and removing of track and also carriage of piles to machine, average distance of 3 chains (90 metre).<br><br>2) The rates are for the tackle gangs only supplied by the contractor, Mechanical staff on-machines will be supplied by Government.<br><br>3) T-piles and adjustable junction piles will be counted as two piles. |
| 4   | Driving steel piles, more than 15' (4.6 m) and less than 25' (7.5 m). | 100Sft.               | 2207.05 | -         | sq.m                 | 237.50  | -         | ditto        | ditto  |
| 5   | Driving steel piles, 15' (4.5 m) and under.                           | 100Sft.               | 1652.65 | -         | sq.m                 | 177.85  | -         | ditto        | ditto  |
| 6   | Dollying piles.   | Each                  | 146.80  | -         | Each                 | 146.80  | -         | ditto        | Upto 5' (1.5 m) dollying.  |
| 7   | Drilling holes in piles by hand.                                      | Each                  | 16.15   | -         | Each                 | 16.15   | -         | ditto        |  |
| 8   | Raising and lowering machine.   | Per Ft.               | 2230.80 | -         | Metre                | 7317.00 | -         | ditto        |  |
| 9   | Turning Machine, 90°.   | Per Job               | 3400.30 | -         | Per Job              | 3400.30 | -         | 29.1 to 29.3 |  |
| 10  | Turning Machine, 135°.  | Per Job               | 4139.50 | -         | Per Job              | 4139.50 | -         | ditto        |  |
| 11  | Turning Machine, 180°.  | Per Job               | 5607.35 | -         | Per Job              | 5607.35 | -         | 29.1 to 29.3 |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |          |           | Spec. No. | Remarks   |
|---------|--|-----------------------|----------|-----------|----------------------|----------|-----------|-----------|---|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour   | Composite |           |   |
| 12      | Travelling machine (light).                            | Per Chain             | 6640.90  | -         | 30 M.                | 6640.90  | -         | ditto     | To be done by hand carts or ramps, including cost of ropes. |
| 13      | Loading and unloading piles.                           | Ton                   | 134.80   | -         | Tonne                | 132.65   | -         | ditto     |   |
| 14      | Dismantling piling machine.                            | Each                  | 14692.90 | -         | Each                 | 14692.90 | -         | ditto     |   |
| 15      | Erecting piling machine.                               | Each                  | 16953.35 | -         | Each                 | 16953.35 | -         | ditto     |   |
| 16      | Carriage of piling machine under different conditions. | per chain             | 2760.10  | -         | 30 M                 | 2760.10  | -         | ditto     |   |



## 16. PROTECTION & DIVERSION WORKS

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts
- 2 The composite rates of the items in which stone, boulders, shingle spawl are used do not contain the carriage of the these stone materials, which will be paid separately by road, and/or rail, whichever means of transport is adopted. The supply and carriage to site of work of all other material required in the item, is included in the composite rates.
- 3 The carriage of stone or spawl will be paid on the basis of actual stack measurement (without any reduction factor) of the stone, boulders, shingle or spawl carried.
- 4 Where stone, boulder or spawl is issued from stock and contractor is paid for its carriage and/or labour only; or where such stone product is supplied, carried or handled by the contractor in which no laying is required, the actual stack measurement (without any reduction factor) shall from the basis of payment of supply or carriage of the stone, boulder or spawl, etc. The quantity of finished and completed item of work shall form the basis of laying.
- 5 In case of the items in which the rates include carriage of stakes, bushing, Pilchi, sarkanda or farash, etc. within one mile (1.6 Km.)
  - i) the cost of the carriage within one mile (one Km) shall not be deducted from the carriage charges to follow thereafter from the point of supply.
  - ii) if the site of work happens to be within one mile (one Km.) of the source of supply, the materials will be collected and measured at site of work and no extra carriage would be admissible in such cases.
  - iii) where the site of the work is situated at more than one mile (one Km.) distance from the source of supply, the point of supply will be fixed carefully by the Engineer-in-charge in such a way that the carriage charges would be arrived at, most economically. Extra carriage will be admissible from the place of supply of the material which will be considered its starting point. The demarcation of the place of supply will be pre-determined before calling the tenders.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No.   | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|---|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |   |         |
| 1       | Cutting pilchi frash or sarkanda including carriage within one mile.  | 100Cft.               | 692.20  |           | cu.m                 | 244.45 |           |   |         |
| 2       | Weaving mattresses.   | 100Cft.               | 1311.55 |           | cu.m                 | 463.20 |           |   |         |
| 3       | a) Supplying and filling jute bags 1.25 (0.035 cum) Cft., capacity, with sand or earth, sewing and stacking, in dry.            | Per Bag               | 20.50   | 35.35     | Per Bag              | 20.50  | 35.35     | The rate does not include supply of sand or earth for filling bags, which will be paid extra. |         |
|         | b) Supply and filling jute bags 1.25 (0.35 ccum) Cft. capacity, with sand or earth, sewing and laying in position, under water. | ditto                 | 31.90   | 46.70     | Per Bag              | 31.90  | 46.7      | -ditto-   |         |
| 4       | a) Supplying and filling jute bags 4 to 5 cft (0.11 to 0.14 cum) capacity, with sand or earth, sewing and stacking, in dry.     | Per Bag               | 49.05   | 100.60    | Per Bag              | 49.05  | 100.60    | The rate does not include supply of sand or earth for filling bags, which will be paid extra. |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System)  |        |           | Spec. No. | Remarks  |
|---------|--|-----------------------|--------|-----------|-----------------------|--------|-----------|-----------|--|
|         |  | Unit                  | Labour | Composite | Unit                  | Labour | Composite |           |  |
|         | b) Supply and filling new jute bags 4 to 5 cft (0.11 to 0.14 cu.m) capacity, with sand or earth, sewing and laying in position, under water. | ditto                 | 70.05  | 121.60    | ditto                 | 70.05  | 121.6     |           | -ditto-  |
| 5       | Carriage of jute bags 1.25 Cft. (0.035 cu m) capacity, filled with sand or earth:-   |                       |        |           |                       |        |           |           |  |
|         | a) 1st chain (30 m)  | 100 Nos               | 182.15 |           | % Nos                 | 182.15 |           |           |  |
|         | b) 2nd to 4th chain (30 m to 120 m)  | Per chain per 100 Nos | 65.60  |           | Per 30 m Per 100 Nos/ | 65.60  |           |           |  |
|         | c) 5th and subsequent chains (150 m and subsequent every 30 m)   | ditto                 | 25.50  |           | ditto                 | 25.50  |           |           |  |
| 6       | Carriage of new jute bags 4 to 5 Cft.(0.11 to 0.14 cu.m) capacity, filled with sand or earth:-   |                       |        |           |                       |        |           |           |  |
|         | a) 1st chain (1st 30 metre)  | 100 Nos               | 728.65 |           | % Nos                 | 728.65 |           |           |  |
|         | b) 2nd to 4th chain (60 m to 120 m)  | per chain per 100Nos  | 255.00 |           | Per 30 m per %Nos     | 255.00 |           |           |  |
|         | c) 5th and subsequent chains (150 m and subsequent every 30 m)   | ditto                 | 98.35  |           | ditto                 | 98.35  |           |           |  |
| 7       | Rolling mattresses to river edge and floating, after unrolling:-   |                       |        |           |                       |        |           |           |  |
|         | a) area of matress upto 2,000 Sft. ( 186 sq.m)   | 100Sft.               | 409.85 |           | sq.m                  | 44.10  |           |           |  |
|         | b) area of matress 2,000 to 2,500 Sft. (186 sq.m to 232 sq.m)  | 100Sft.               | 683.10 |           | sq.m                  | 73.50  |           |           |  |
|         | c) area of matress over 2,500 Sft. (232 sq.m)  | ditto                 | 796.95 |           | ditto                 | 85.75  |           |           |  |
| 8       | Sewing empty cement bags in sheets.  | 100 Nos               | 637.55 | 671.15    | % Nos                 | 637.55 | 671.15    |           |  |
| 9       | Making compact round pilchi, frash or sarkanda round bundles of specified size for the work.   | 100Cft.               | 888.05 | 986.05    | cu.m                  | 313.65 | 348.3     |           | Measured in the shape of compact round bundles and of size specified |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No.   | Remarks                               |
|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|---|---------------------------------------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |   |                                       |
| 10      | Launching the above and placing in position.  | 100Cft.               | 437.20  |           | cu.m                 | 154.40 |           |   | for the work, before filling at site. |
| 11      | Supply within 5 chains (150 m):-  |                       |         |           |                      |        |           |   |                                       |
|         | a) Boulders 9" (225 mm) and above   | 100Cft.               | 1318.85 |           | cu.m                 | 465.75 |           |   |                                       |
|         | b) Over size shingle 3" to 9"(75 to 225 mm)   | ditto                 | 881.65  |           | ditto                | 311.35 |           |   |                                       |
|         | c) Mixed graded shingle   | ditto                 | 1045.60 |           | ditto                | 369.25 |           |   |                                       |
| 12      | Supplying Munj or Patha Trungers 6" (150 mm) mesh to hold 3 Cft. (0.085 cu.m)   | Each                  | 56.95   | 99.55     | Each                 | 56.95  | 99.55     |   |                                       |
| 13      | Providing and weaving G.I. wire netting for wire crates, with G.I. wire of approved size (including siding and partition to make crate):- |                       |         |           |                      |        |           |   |                                       |
|         | a) 6" (150 mm) mesh   |                       |         |           |                      |        |           |   |                                       |
|         | i) 15 SWG wire  | 100Sft.               | 729.95  | 988.70    | sq.m                 | 78.55  | 106.40    |   |                                       |
|         | ii) 10 SWG wire   | ditto                 | 782.10  | 1622.10   | ditto                | 84.15  | 174.55    |   |                                       |
|         | iii) 8 SWG wire   | ditto                 | 782.10  | 2099.20   | ditto                | 84.15  | 225.9     |   |                                       |
|         | b) 4" (100 mm) mesh   |                       |         |           |                      |        |           |   |                                       |
|         | i) 15 SWG wire  | 100Sft.               | 938.50  | 1355.20   | sq.m                 | 101.00 | 145.8     |   |                                       |
|         | ii) 10 SWG wire   | ditto                 | 1042.80 | 2300.30   | ditto                | 112.20 | 247.50    |   |                                       |
|         | iii) 8 SWG wire   | ditto                 | 1042.80 | 3014.30   | ditto                | 112.20 | 324.35    |   |                                       |
| 14      | Providing and laying shingle on top of bund, including handling of materials within three chains.   | 100Cft.               | 455.40  | 785.40    | cu.m                 | 160.85 | 277.40    |   |                                       |
| 15      | Supply and dumping at site, without boat, including handling of materials within three chains (90 m)                                      |                       |         |           |                      |        |           |   |                                       |
|         | a) stone or boulder   | 100Cft.               | 796.95  | 1258.95   | cu.m                 | 281.45 | 444.6     | The rate includes supply of brick bats to site of work. |                                       |
|         | b) shingle or spawl   | ditto                 | 796.95  | 1126.95   | ditto                | 281.45 | 398       |   |                                       |
|         | c) brick bats   | ditto                 | 614.80  | 1406.80   | ditto                | 217.15 | 496.90    |   |                                       |
| 16      | Supply and dumping by boat, including loading into boat within three chains (90 m) lead, and hire charges of boat and boatman.            |                       |         |           |                      |        |           |   |                                       |
|         | a) stone or boulder   | 100Cft.               | 1386.00 | 1848.00   | cu.m                 | 489.55 | 652.7     | The rate includes supply of brick bats to site of work. |                                       |
|         | b) shingle or spawl   | ditto                 | 1386.00 | 1716.00   | ditto                | 489.55 | 606.10    |   |                                       |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |   |
|         | c) brick bats  | ditto                 | 1203.85 | 1995.85   | ditto                | 425.20 | 704.95    |           |   |
| 17      | Providing and filling brick bats in crates (excluding cost of crates).   | 100Cft.               | 1054.00 | 1846.00   | cu.m                 | 372.30 | 652       |           | The rate includes supply of brick bats to site of work.                         |
| 18      | Supplying and filling bricks in crates and hand packing (excluding cost of crates).  | 100Cft.               | 1281.70 | 11721.70  | cu.m                 | 452.70 | 4140.1    |           | The rate includes supply of bricks to site of work.                             |
| 19      | Supply and filling in wire crates, including sewing crates (excluding cost of crates):-  |                       |         |           |                      |        |           |           |   |
|         | i) stone or boulder  | 100Cft.               | 1463.90 | 1925.90   | cu.m                 | 517.05 | 680.20    |           |   |
|         | ii) shingle or spawl   | ditto                 | 1463.90 | 1793.90   | ditto                | 517.05 | 633.60    |           |   |
| 20      | Extra for anchoring boat, for dumping by boats or tipping crates.  | 100Cft.               | 160.30  | -         | cu.m                 | 56.60  | -         |           |   |
| 21      | Extra for tipping crates (in addition to anchoring boats).   | 100Cft.               | 801.50  | -         | cu.m                 | 283.10 | -         |           |   |
| 22      | Pilchi reventment, including carriage upto one mile (1.6 km.)  | 100Sft.               | 455.40  | 955.40    | sq.m                 | 49.00  | 102.8     | 30.1      |   |
| 23      | Surface protection with pilchi mattresses, carriage upto one mile (1.6 Km).  | 100Sft.               | 1138.50 | 1188.50   | sq.m                 | 122.50 | 127.90    | ditto     |   |
| 24      | Pilchi, sarkanda or frash pitching on slopes, including supply of pilchi, sarkanda or frash within one mile, (1.6 km) also supply and driving of pegs 1½' (460 mm) long sharpened at one end and, tying with wire or Munj Ban (excluding cost of placing earth between rolls). | 100Sft.               | 2525.35 | 3609.05   | sq.m                 | 271.75 | 388.35    |           | The cost of placing earth between rolls shall be paid separately, as earthwork. |
| 25      | Constructing Groynes upto 5' (1.5 m) height, with single row of wooden vertical stakes 7" to 12" (175 to 300 mm) dia, 1' (300 mm) apart, average lead one mile (1.6 km.)   | 100Sft.               | 848.10  | 933.70    | sq.m                 | 91.25  | 100.45    |           | Measurement to be made of the area of elevation on one face only.               |
| 26      | Construction Groynes upto 10' (3.0 m) height, with double row of wooden vertical stakes 7" to 12" (175 to 300 mm) dia, 2' (600 mm) apart, average lead one mile (1.6 Km).  | 100Sft.               | 1465.20 | 1567.25   | sq.m                 | 157.65 | 168.65    |           |   |
| 27      | Providing and laying stone pitching/filling, dry hand packed, as filling behind retaining walls or in pitching and aprons.   | 100Cft.               | 917.40  | 1646.40   | cu.m                 | 324.05 | 581.5     |           |   |
| 28      | Providing and laying stone pitching with hammer dressed stones on surface, laid in courses.  | 100Cft.               | 2687.85 | 3335.85   | cu.m                 | 949.35 | 1178.2    |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
| 29      | Providing and laying stone pitching, for top layer only:-   |                       |         |           |                      |         |           |           |         |
|         | a) one slope  | 100Cft.               | 2247.30 | 2895.30   | cu.m                 | 793.75  | 1022.6    |           |         |
|         | b) on level   | ditto                 | 2019.60 | 2667.60   | ditto                | 713.30  | 942.2     |           |         |
| 30      | Providing and laying stone or spawl filling:-   |                       |         |           |                      |         |           |           |         |
|         | a) on level   | 100Cft.               | 602.25  | 902.25    | cu.m                 | 212.70  | 318.70    |           |         |
|         | b) on slope   | ditto                 | 737.35  | 1037.35   | ditto                | 260.45  | 366.4     |           |         |
| 31      | Providing and laying stone pitching, hand packed, with surface levelled off to the correct section and voids filled in 1:8 cement, sand mortar, in floors of bridges along banks and in appons etc. |                       |         |           |                      |         |           |           |         |
|         | i) top layer on slope   | 100Cft.               | 2965.50 | 5330.00   | cu.m                 | 1047.40 | 1882.55   |           |         |
|         | ii) top layer on level  | ditto                 | 2737.80 | 5102.30   | ditto                | 967.00  | 1802.15   |           |         |
|         | iii) stone pitching/filling on slope or on level (other than top layer).  | ditto                 | 1588.30 | 4033.75   | ditto                | 561.00  | 1424.75   |           |         |
| 32      | Grouting stone pitching or apron, etc. in:-   |                       |         |           |                      |         |           |           |         |
|         | a) cement, sand mortar 1:3  | 100Sft.               | 1019.45 | 4397.45   | sq.m                 | 109.70  | 473.15    |           |         |
|         | b) cement, sand mortar 1:8  | ditto                 | 864.60  | 2581.10   | ditto                | 93.05   | 277.70    |           |         |
| 33      | Sand grouting in stone apron, with high pressure hose.  | 100Sft.               | 345.20  | 945.20    | sq.m                 | 37.15   | 101.70    |           |         |
| 34      | Grouting stone filling or pitching, with bajri.   | 100Cft.               | 569.25  | 1253.25   | cu.m                 | 201.05  | 442.65    |           |         |
| 35      | Removing stone and repitching hand packed, on slopes or level after making good damaged slope/portion.  | 100Cft.               | 2107.50 | -         | cu.m                 | 744.35  | -         |           |         |
| 36      | Collecting and stacking boulders from nullah beds or loose shale, or from any other site, within 3 chains (90 m) lead.  | 100Cft.               | 728.65  | -         | cu.m                 | 257.35  | -         |           |         |
| 37      | Levelling and dressing stone filling under blocks and grouting with shingle.  | 100Cft.               | 602.25  | 1286.25   | cu.m                 | 212.70  | 454.30    |           |         |
| 38      | Grouting jharies between blocks with bajri.   | 100Cft.               | 602.25  | 1058.25   | cu.m                 | 212.70  | 373.75    |           |         |
| 39      | Breaking stone into spawls and stacking   | 100Cft.               | 546.50  | -         | cu.m                 | 193.00  | -         |           |         |
|         | <b><u>Canal and Roads</u></b>   |                       |         |           |                      |         |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System)    |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|-------------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                    | Labour | Composite |           |         |
| 40      | Fixing floating spurs, with material from canal plantation within one mile (1.6 Km) lead:-  |                       |        |           |                         |        |           |           |         |
|         | a) upto 2.0' (600 mm) F.S. depth  | Each                  | 18.80  | -         | Each                    | 18.80  | -         |           |         |
|         | b) above 2.0' to 3.0' (600 to 900 mm) F.S. depth  | ditto                 | 21.15  | -         | ditto                   | 21.15  | -         |           |         |
|         | c) above 3.0' to 4.0' F.S. (900 mm to 1200mm) depth   | Each                  | 28.20  | -         | ditto                   | 28.20  | -         |           |         |
|         | d) above 4.0' (1200 mm) F.S. depth  | ditto                 | 70.55  | -         | ditto                   | 70.55  | -         |           |         |
| 41      | Staking and bushing from canal plantation, royalty to be paid to Forest Department or cost to private owner, if and when required:-   |                       |        |           |                         |        |           |           |         |
|         | a) i) Cutting and supply unsharpened pegs 3.5' (1.07 m) long, 3" to 6" (75 to 150 mm) dia, within one mile (1.6 Km) lead.   | 100 Nos               | 910.80 | 942.30    | % Nos                   | 910.80 | 942.30    |           |         |
|         | ii) Sharpening one end of 3.5' (1.07 m) long pegs, 3" to 6" (75 to 150 mm) dia.   | 100 Nos               | 417.10 | -         | 100 Nos                 | 417.10 | -         |           |         |
|         | iii) Driving pegs 3.5' (1.07 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.0' (300 mm) below the available bed or ground (average).  | 100 Nos               | 517.45 | -         | 100 Nos                 | 517.45 | -         |           |         |
|         | iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).  | Per Chain of One Row  | 45.55  | 75.20     | Per 30 Metre of one row | 45.55  | 75.20     |           |         |
|         | v) Cutting and supplying brush wood from canal plantation or private owners, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average). | ditto                 | 648.10 | 817.30    | ditto                   | 648.10 | 817.30    |           |         |
|         | b) i) Cutting and supplying unsharpened pegs 4.0' (1.20 m) long, 3" to 6" (75 to 150 mm) dia, from canal plantation, lead within one mile (1.6 Km).   | 100 Nos               | 86.85  | 122.70    | 100 Nos                 | 86.85  | 122.70    |           |         |
|         | ii) Sharpening one end of 4' (1.20 M) long pegs, 3" to 6" (75 to 150 mm) dia.   | 100 Nos               | 417.10 | -         | 100 Nos                 | 417.10 | -         |           |         |
|         | iii) Driving pegs 4' (1.20 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.0' (300 mm) below the available bed or ground (average).  | 100 Nos               | 635.55 | -         | 100 Nos                 | 635.55 | -         |           |         |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
|         | iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).   | Per Chain of one row  | 45.55   |           | Per 30 M of one row  | 45.55   |           |           |         |
|         | v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km). and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average). | ditto                 | 1600.50 |           | ditto                | 1600.50 |           |           |         |
| c)      | i) Cutting and supplying unsharpened pegs 5.0' (1.5 m) long, 3" to 6" (75 to 150 mm) dia, from canal plantation, lead within one mile (1.6 Km).  | 100 Nos               | 108.60  | 153.45    | 100 Nos              | 108.60  | 153.45    |           |         |
|         | ii) Sharpening one end of 5' (1.5 m) long pegs, 3" to 6" (75 to 150 mm) dia.   | 100 Nos               | 440.60  | -         | 100 Nos              | 440.60  | -         |           |         |
|         | iii) Driving pegs 5' (1.5 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.5' (450 mm) below the available bed or ground (average).  | 100 Nos               | 733.90  | -         | 100 Nos              | 733.90  | -         |           |         |
|         | iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).   | Per Chain of one row  | 45.55   | 75.20     | Per 30 M of one row  | 45.55   | 75.20     |           |         |
|         | v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).  | Per chain of one row  | 693.00  | 929.70    | Per 30 M of one row  | 693.00  | 929.70    |           |         |
| d)      | i) Cutting and supplying unsharpened pegs 6.0' (1.8 m) long, 3" to 6" (75 to 150 mm) dia, from canal plantation, lead within one mile (1.6 Km).  | 100 Nos               | 1821.60 | 1875.40   | 100 Nos              | 1821.60 | 1875.4    |           |         |
|         | ii) Sharpening one end of 6' (1.8 m) long pegs, 3" to 6" (75 to 150 mm) dia.   | 100 Nos               | 524.05  | -         | 100 Nos              | 524.05  | -         |           |         |
|         | iii) Driving pegs 6' (1.8 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.75' (530 mm) below the available bed or ground (average).   | 100 Nos               | 880.70  | -         | 100 Nos              | 880.70  | -         |           |         |
|         | iv) Tying pegs with Munj, Patha ban (one line,   | Per                   |         |           | Per Chain            |         |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
|         | including tying around the pegs).   | Chain of one row      | 45.55   | 75.20     | of one row           | 45.55   | 75.20     |           |         |
|         | v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average). | ditto                 | 1828.20 | 2115.65   | ditto                | 1828.20 | 2115.65   |           |         |
| e)      | i) Cutting and supplying unsharpened pegs 6'-1" to 8.0' long (1.85 to 2.45 m), 4" to 8" (100 to 200 mm) dia, from canal plantation, lead within one mile (1.6 Km).  | 100 Nos               | 1366.20 | 1477.80   | 100 Nos              | 1366.20 | 1477.80   |           |         |
|         | ii) Sharpening one end of 6'-1" to 8.0' (1.85 to 2.45m) long pegs, 4" to 8" (100 to 200 mm) dia.  | 100 Nos               | 667.40  | -         | 100 Nos              | 667.40  | -         |           |         |
|         | iii) Driving pegs 6'-1" to 8.0' (1.85 to 2.45 m) long, 3" to 6" (75 to 150 mm) dia driven 2' (600 mm) below the available bed or ground (average).  | 100 Nos               | 972.30  | -         | 100 Nos              | 972.30  | -         |           |         |
|         | iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).  | Per chain of one row  | 45.55   | 61.95     | Per 30 M of one row  | 45.55   | 61.95     |           |         |
|         | v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average). | Per Chain of one row  | 2059.20 | 2397.40   | Per 30 M of one row  | 2059.20 | 2397.40   |           |         |
| 42      | Staking with Bamboo from market and bushing from canal plantation or private source (royalty of brushwood to be paid to Forest Department or cost to private owner, if and when required):-                     |                       |         |           |                      |         |           |           |         |
| a)      | i) Supplying Bamboos 8'-1" to 10.0' (2.46 to 3.05 m) long, 2½" to 5" (63 m to 125 mm) dia.  | 100 Nos               | 7200.00 | -         | 100 Nos              | 7200.00 | -         |           |         |
|         | ii) Sharpening one end of 8'-1" to 10.0' (2.46 to 30.5 m) long Bomboos, 2½" to 5" (63 to 125 mm) dia.   | 100 Nos               | 583.95  | -         | 100 Nos              | 583.95  | -         |           |         |
|         | iii) Driving Bamboos 8'-1" to 10.0' (2.46 to 3.05 m) long 2½" to 5" (63 to 125 mm) dia, driven 2.5' (750 mm) below the available bed or ground (average).   | 100 Nos               | 1064.20 | -         | 100 Nos              | 1064.20 | -         |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
|         | iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with Munj, Patha Ban, two lines, including tying around the Bamboos.   | Per Chain of one row  | 68.30   | 114.80    | Per 30 M of one Row  | 68.30   | 114.80    |           |         |
|         | v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km), and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average). | ditto                 | 2517.90 | 2957.10   | ditto                | 2517.90 | 2957.10   |           |         |
| b)      | i) Supplying Bamboos 10'-1" to 12.0' (3.07 to 3.66 m) long, 2½" to 5" (63 to 125 mm) dia.   | 100 Nos               | -       | 10800.00  | 100 Nos              | -       | 10800     |           |         |
|         | ii) Sharpening one end of 10'-1" to 12.0' (3.07 to 3.66 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.  | 100 Nos               | 667.40  | -         | 100 Nos              | 667.40  | -         |           |         |
|         | iii) Driving Bamboos 10'-1" to 12.0' (3.07 to 3.66 m) long 2½" to 5" (63 to 125 mm) dia, driven 2.75' (840 mm) below the available bed or ground (average).   | 100 Nos               | 1155.80 | -         | 100 Nos              | 1155.80 | -         |           |         |
|         | iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.  | Per chain of one row  | 227.70  | 838.40    | Per 30 M of one Row  | 227.70  | 838.40    |           |         |
|         | v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).  | ditto                 | 3088.80 | 3646.80   | ditto                | 3088.80 | 3646.80   |           |         |
| c)      | i) Supplying Bamboos 12'-1" to 14.0' (3.68 to 4.27 m) long, 2½" to 5" (63 to 125 mm) dia.   | 100 Nos               | -       | 11400.00  | 100 Nos              | -       | 11400.00  |           |         |
|         | ii) Sharpening one end of 12'-1" to 14.0' (3.68 to 4.27 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.  | 100 Nos               | 750.80  | -         | 100 Nos              | 750.80  | -         |           |         |
|         | iii) Driving Bamboos 12'-1" to 14.0' (3.68 to 4.27 m) long 2½" to 5" dia, driven 3.5' (1.07 mm) below the available bed or ground (average).  | 100 Nos               | 1321.05 | -         | 100 Nos              | 1321.05 | -         |           |         |
|         | iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.  | Per chain of one row  | 227.70  | 838.40    | Per 30 M of one row  | 227.70  | 838.40    |           |         |
|         | v) Cutting and supplying brushwood from canal   | ditto                 | 3659.70 | 4302.30   | ditto                | 3659.70 | 4302.30   |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.   | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|---|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |   |         |
|         | plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).   |                       |         |           |                      |         |           |   |         |
| d)      | i) Supplying Bamboos 14'-1" to 16.0' (4.30 to 4.90 m) long, 2½" to 5" (63 to 125 mm) dia.  | 100 Nos               | -       | 12600.00  | 100 Nos              | -       | 12600.00  |   |         |
|         | ii) Sharpening one end of 14'-1" to 16.0' (4.30 to 4.90 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.   | 100 Nos               | 834.25  | -         | 100 Nos              | 834.25  | -         |   |         |
|         | iii) Driving Bamboos 14'-1" to 16.0' long (4.30 to 4.90m) 2½" to 5" (63 to 125 mm) dia, driven 4' (1.20 m) below the available bed or ground (average).  | 100 Nos               | 1467.85 | -         | 100 Nos              | 1467.85 | -         |   |         |
|         | iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.   | Per Chain of one Row  | 227.70  | 838.40    | Per 30 M of one Row  | 227.70  | 838.40    |   |         |
|         | v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average). | ditto                 | 4209.50 | 4953.50   | ditto                | 4209.50 | 4953.50   |   |         |
| e)      | i) Supplying Bamboos 16'-1" to 20' (4.9 to 6.10 m) long, 2½" to 5" (63 to 125 mm) dia.   | 100 Nos               | -       | 13200.00  | 100 Nos              | -       | 13200.00  |   |         |
|         | ii) Sharpening one end of 16'-1" to 20' (4.9 to 6.10 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.  | 100 Nos               | 1001.10 | -         | 100 Nos              | 1001.10 | -         |   |         |
|         | iii) Driving Bamboos 16'-1" to 20' long (4.9 to 6.10 m) 2½" to 5" (63 to 125 mm) dia, driven 4' (1.20 m) below the available bed or ground (average).  | 100 Nos               | 1761.40 | -         | 100 Nos              | 1761.40 | -         |   |         |
|         | iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.   | Per Chain of one row  | 227.70  | 838.40    | Per 30 M of one row  | 227.70  | 838.40    |   |         |
|         | v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average). | ditto                 | 5263.50 | 6210.30   | ditto                | 5263.50 | 6210.30   |   |         |
| 43      | Cutting and supplying brushwood from canal plantation or from any other source, within one mile (1.6 Km).  | 100Cft.               | 227.70  | 295.20    | cu.m                 | 80.40   | 104.25    | Royalty to be paid to the Forest Department or cost to the private owner, if and when required. |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |                    |           | Rate (Metric System) |                  |           | Spec. No.  | Remarks |
|---------|--|-----------------------|--------------------|-----------|----------------------|------------------|-----------|--|---------|
|         |  | Unit                  | Labour             | Composite | Unit                 | Labour           | Composite |  |         |
| 44      | Filling brush wood only, thoroughly packed.  | 100Cft.               | 182.15             | -         | cu.m                 | 64.35            | -         | Measured in compacted and packed shape before filling. |         |
| 45      | Covering road 10' to 12' (3.00 to 3.65 m) wide, with 3" (75 mm) sarkanda or jungle upto one chain lead (30 m). | Per Chain             | 437.20             | -         | Per 30 M             | 437.20           | -         |  |         |
| 46      | a) Gachi pitching 1' (300 mm) thick.<br>b) Gachi pitching done with silt clearance and berm dressing.          | 100Sft.<br>100Sft.    | 2368.10<br>2003.75 | -<br>-    | Sq.m<br>Sq.m         | 254.80<br>215.60 | -<br>-    |  |         |



# 17. OUTLETS

Rates for all finished works include the removal of surplus debris, unused material and byproducts

## MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

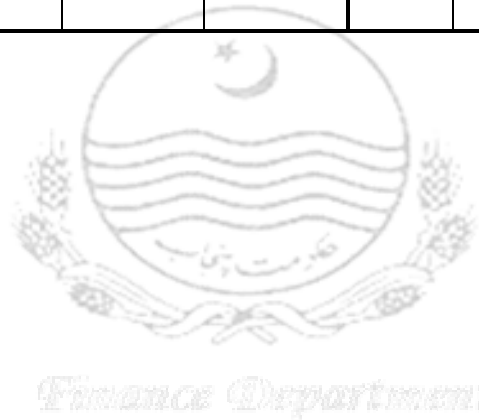
| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.         | Remarks  |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-------------------|--|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |                   |  |
| 1       | Earthwork for outlets, excavation refilling, ramming and puddling:-  |                       |         |           |                      |         |           | 17.1 to 17.5      | Includes consolidation of earth after refilling.   |
| a)      | channels, discharge upto 50 cusecs.  | Job                   | 759.00  | -         | Job                  | 759.00  | -         |                   |  |
| b)      | channels, discharge from 51 to 100 cusecs.   | Job                   | 1001.90 | -         | Job                  | 1001.90 | -         |                   |  |
| c)      | channels, discharge from 101 to 200 cusecs.  | Job                   | 1518.00 | -         | Job                  | 1518.00 | -         |                   |  |
| d)      | channels, discharge from 201 to 350 cusecs.  | Job                   | 2049.30 | -         | Job                  | 2049.30 | -         |                   |  |
| e)      | channels, discharge over 350 cusecs.   | Job                   | 3036.00 | -         | Job                  | 3036.00 | -         |                   |  |
| 2       | Dismantling outlets:-  |                       |         |           |                      |         |           | 18.1              | These rates are for total dismantlement and removal of material. The rates do not include earth work for which rates are given in item 1, above. |
| a)      | old types, such as K.G.O's orifices, etc.  | Each                  | 759.00  | -         | Each                 | 759.00  | -         |                   |  |
| b)      | A.P.M. or O.F., "H" upto 2.0 ft. (600 mm)  | ditto                 | 1138.50 | -         | ditto                | 1138.50 | -         |                   |  |
| c)      | A.P.M. or O.F., "H" from 2.1 ft. to 3.0'. (630 mm to 900 mm)   | ditto                 | 1518.00 | -         | ditto                | 1518.00 | -         |                   |  |
| d)      | A.P.M. or O.F., "H" above 3.0'. (900 mm)   | ditto                 | 1897.50 | -         | ditto                | 1897.50 | -         |                   |  |
| e)      | Tail cluster bifurcation   | ditto                 | 1138.50 | -         | ditto                | 1138.50 | -         |                   |  |
| f)      | Tail cluster trifurcation  | ditto                 | 1518.00 | -         | ditto                | 1518.00 | -         |                   |  |
| g)      | Tail cluster quardification  | ditto                 | 1897.50 | -         | ditto                | 1897.50 | -         |                   |  |
| 3       | Making temporary A.P.M. bricks block and fixing at site.   | Each                  | 344.10  | 624.90    | Each                 | 344.10  | 624.90    | 21.1 & 21.2       |  |
| 4       | Dismantling walls, taking out temporary A.P.M. brick block, fixing iron block and rebuilding dismantled walls. | Job                   | 716.75  | -         | Job                  | 716.75  | -         | 18.1, 21.1 & 21.2 |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |                  |           | Rate (Metric System) |                  |           | Spec. No.                   | Remarks   |
|---------|--|-----------------------|------------------|-----------|----------------------|------------------|-----------|-----------------------------|---|
|         |  | Unit                  | Labour           | Composite | Unit                 | Labour           | Composite |                             |   |
| 5       | Dismantling walls and fitting iron block of O.F. outlet.                               | Each                  | 716.75           | -         | Each                 | 716.75           | -         | 18.1, 21.1 & 21.2           |   |
| 6       | Constructing, watching and removing bund for outlet built in running water:-           |                       |                  |           |                      |                  |           | 17.1 to 17.2                |   |
|         | a) upto 3.0' (0.300 m) depth   | Each                  | 1821.60          | -         | Each                 | 1821.60          | -         |                             |   |
|         | b) above 3.0' (0.300 m) depth  | ditto                 | 2459.15          | -         | ditto                | 2459.15          | -         |                             |   |
| 7       | Adjusting "B" of tail cluster by dismantling and rebuilding throat walls.              | Each                  | 384.35           | 772.65    | Each                 | 384.35           | 772.65    | 18.1, 21.1 & 21.2           |   |
| 8       | Adjusting "Y" of an A.P.M. outlet, including dismantling and rebuilding.               | Each                  | 749.10           | 1380.30   | Each                 | 749.10           | 1380.30   | ditto                       |   |
| 9       | Extra labour in fixing A.P.M. and O.F. outlet blocks, including dressing of bricks:-   |                       |                  |           |                      |                  |           | 21.1 & 21.2                 | Rates to be Rs. 4.00 less in case of O.F. outlets, where there is no O.F. iron block.         |
|         | a) for channel depth of 5.0'. (1.5 m)  | Each                  | 834.25           | 949.95    | Each                 | 834.25           | 949.95    |                             |   |
|         | b) for channel depth of 4.0'. (1.2 m)  | ditto                 | 625.70           | 741.40    | ditto                | 625.70           | 741.40    |                             |   |
|         | c) for channel depth of 3.0'. (900 mm)   | ditto                 | 500.55           | 616.25    | ditto                | 500.55           | 616.25    |                             |   |
|         | d) for channel depth of 2.0'. (600 mm)   | ditto                 | 417.10           | 506.85    | ditto                | 417.10           | 506.85    |                             |   |
|         | e) for channel depth of less than 2.0'. (600 mm)                                       | ditto                 | 333.70           | 397.55    | ditto                | 333.70           | 397.55    |                             |   |
| 10      | Repairing damaged reducing collar of Hume pipe outlets.                                | Each                  | 344.10           | 521.70    | Each                 | 344.10           | 521.70    |                             |   |
| 11      | Laying iron pipes for outlets.   | Per Lft.              | 16.70            | -         | Metre                | 54.75            | -         | 21.1, 21.2 & 17.1 to 17.5   |   |
| 12      | Water allowance for constructing outlets or culverts, when canal water is not flowing. | Each                  | 370.40 to 759.00 |           | Each                 | 370.40 to 759.00 |           |                             | At the discretion of the Engineer-in-charge depending upon the distance and source of supply. |
| 13      | Hoisting and placing R.C. slab or stone in position on outlets or W.C. culverts.       | Each                  | 275.65           | -         | Each                 | 275.65           | -         |                             |   |
| 14      | Fixing pipe outlet, including back filling of earth and puddling:-                     |                       |                  |           |                      |                  |           | 17.1 to 17.5 & 21.1 to 21.2 |   |
|         | a) portion under bank.   | Rft.                  | 70.50            | 78.20     | Metre                | 231.35           | 256.65    |                             |   |
|         | b) portion under road, beyond bank.  | ditto                 | 30.60            | 38.30     | ditto                | 100.40           | 125.7     |                             |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.    | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--------------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |              |         |
| 15      | Removing pipe outlet, refilling earth and puddling.  |                       |        |           |                      |        |           | 17.1 to 17.5 |         |
|         | a) portion under bank.   | Rft.                  | 60.70  | -         | Metre                | 199.20 | -         |              |         |
|         | b) portion under road, beyond bank.  | ditto                 | 22.75  | -         | ditto                | 74.70  | -         |              |         |
| 16      | Changing pipe outlets by removing one pipe and replacing it at the same site with another pipe complete with earth and puddling. |                       |        |           |                      |        |           |              |         |
|         | a) portion under bank.   | Rft.                  | 83.75  | 91.45     | Metre                | 274.70 | 300       |              |         |
|         | b) portion under road, beyond bank.  | ditto                 | 41.85  | 49.60     | ditto                | 137.35 | 162.65    |              |         |





## 18. ROAD & ROAD STRUCTURE

- 1 Specification No. correspond to Book of "Standard Specification for Road and Bridge Construction 1971".
- 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 3 The rates include the provision and maintenance of field test laboratory, pay of laboratory staff, cost of material for testing, etc.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description   | Rate (British System)            |         |           | Rate (Metric System) |        |           | Spec. No.      | Remarks   |
|---------|---|----------------------------------|---------|-----------|----------------------|--------|-----------|----------------|---|
|         |   | Unit                             | Labour  | Composite | Unit                 | Labour | Composite |                |   |
|         | Sub-base & base construction  |                                  |         |           |                      |        |           |                |   |
| 1       | Providing and laying sub-base course of brick on edge 4½" (113 mm) thick, including compaction to required camber and grade.  | 100Cft.                          | 2405.75 | 12413.75  | cu.m                 | 849.70 | 4384.55   | 521-1 to 521-6 | The nominal thickness of bricks shall be taken for the purpose of measurement and payment.  |
| 2       | Providing and laying sub-base course of brick aggregate, including compaction of sub-base course material to required depth, camber, grade & density.   | 100Cft.                          | 2003.25 | 3096.45   | cu.m                 | 707.55 | 1093.65   | 501-1 to 501-6 | To be used only when brick aggregate is cheaper than stone aggregate.   |
| 3       | a) Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate. |                                  |         |           |                      |        |           | ditto          |   |
|         | i) Pit run or bed run gravel.   | 100Cft.                          | 2003.25 | 2471.25   | cu.m                 | 707.55 | 872.85    |                |   |
|         | ii) Crushed stone aggregate.  | 100Cft.                          | 2003.25 | 2795.25   | cu.m                 | 707.55 | 987.3     |                |   |
|         | (b) Subsequent carriage of gravel and crushed stone aggregate   | 100Cft. of consolidated sub-base |         |           |                      |        |           |                | 1) The carriage of the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and/or rail, as the case may be.<br><br>2) It shall be payable from the nearest approved quarry.<br>3) The quantity of pit run |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No.  | Description   | Rate (British System)        |         |           | Rate (Metric System) |        |           | Spec. No.      | Remarks   |
|--|---|------------------------------|---------|-----------|----------------------|--------|-----------|----------------|---|
|  |   | Unit                         | Labour  | Composite | Unit                 | Labour | Composite |                |   |
| 4  | a) Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work except gravel and aggregate. | 100Cft.                      | 2234.25 | 4672.65   | cu.m                 | 789.15 | 1650.40   | 501-1 to 501-6 | or bed run gravel and crushed stone aggregate for payment of carriage shall be taken as per actual loose volume but not more than 120 Cft.  |
|  | b) Subsequent carriage of crushed stone aggregate.  | 100Cft. of consolidated base |         |           |                      |        |           |                | 1) The carriage for the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and/or rail, as the case may be.<br><br>2) It shall be payable from the nearest approved quarry.<br>3) The quantity of crushed stone aggregate for payment of carriage shall be taken as per actual loose volume but not more than 122 Cft. |
| 5  | Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects.  | Per Rft.                     | 5.25    | 25.30     | Metre                | 17.20  | 83.00     | 552-1 to 552-5 |   |
| <b><u>Bituminous Work &amp; Resurfacing.</u></b> |   |                              |         |           |                      |        |           |                |   |
| 6  | Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre.   | 100Sft.                      | 91.10   | 1077.10   | sq.m                 | 9.80   | 115.90    | 601-1 to 601-6 |   |
| 7  | Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)  | 100Sft.                      | 91.10   | 571.05    | sq.m                 | 9.80   | 61.45     | 611-1 to 611-5 |   |
| 8  | a) Providing surface treatment to roads, including supply of bitumen and bajri/crushed stone aggregate o  |                              |         |           |                      |        |           | 612-1 to 612-6 |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |  |         |
|         | approved quality, including cleaning of road surface, heating and spraying bitumen, spreading bajri and rolling with road roller (including its operation cost, fuel and hire charges, etc.) etc. complete including carriage of all materials to site of work except bajri/crushed stone aggregate. |                       |        |           |                      |        |           |  |         |
|         | 1) 1st coat:-  |                       |        |           |                      |        |           |  |         |
|         | i) 40 lbs. bitumen, and 5.5 Cft. bajri of nominal size 1" (25 mm) per 100 sq. feet or 1.96 Kg bitumen and 0.017 cu.metre bajri per square metre..  | 100Sft.               | 89.35  | 2302.90   | Sq.m                 | 9.60   | 247.80    |  |         |
|         | ii) 35 lbs. bitumen, and 4.0 Cft. bajri of nominal size ¾" (20 mm) per %Sft. or 1.72 Kg bitumen and 0.013 cu.metre bajri per sq.metre.   | 100Sft.               | 89.35  | 2012.50   | Sq.m                 | 9.60   | 216.55    |  |         |
|         | 2) 2nd coat:-  |                       |        |           |                      |        |           |  |         |
|         | i) 25 lbs. bitumen, and 2.75 Cft. bajri of nominal size ½" (13 mm) per %sft or 1.23 Kg bitumen and 0.008 cu. metre bajri per sq.metre.   | 100Sft.               | 68.75  | 1440.40   | Sq.m                 | 7.40   | 155.00    |  |         |
|         | ii) 18 lbs. bitumen, and 2.0 Cft. bajri of nominal size 3/8" (10 mm) per %sft. or 0.89 Kg bitumen and 0.006 cu.metre bajri per sq. metre.  | 100Sft.               | 68.75  | 1056.80   | Sq.m                 | 7.40   | 113.70    |  |         |
|         | 3) 3rd coat:-  |                       |        |           |                      |        |           |  |         |
|         | 14 lbs. bitumen, and 1.5 Cft. bajri of nominal size ¼" (6 mm) per %sft or 0.69 Kg bitumen and 0.005 cubic metre bajri per sq.metre.  | 100Sft.               | 47.00  | 814.10    | sq.m                 | 5.05   | 87.60     |  |         |
|         | b) Subsequent carriage of crushed stone aggregate/bajri,   | 100Cft.               |        |           | cu.m                 |        |           |  |         |
|         |  |                       |        |           |                      |        |           | 1) The carriage for the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and/or rail, as the case may be. |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System)          |         |           | Rate (Metric System)        |        |           | Spec. No.      | Remarks  |
|---------|---|--------------------------------|---------|-----------|-----------------------------|--------|-----------|----------------|--|
|         |   | Unit                           | Labour  | Composite | Unit                        | Labour | Composite |                |  |
| 9       | a) Resurfacing of road, including supply of bitumen and bajri/crushed stone aggregate of approved quality, including cleaning of road surface, heating and spraying of bitumen, and spreading bajri/crushed stone aggregate and rolling with road roller (including its operation cost, fuel and hire charges, etc.) complete, including carriage of all materials to site of work. |                                |         |           |                             |        |           |                |  |
|         | i) 22 lbs. bitumen, and 2.5 Cft. bajri of nominal size ½" (13 mm) per %Sft. or 1.07 Kg bitumen and bajri 0.007 cu.m per sq.m.   | 100Sft.                        | 59.55   | 1267.90   | sq.m                        | 6.40   | 136.45    | 612-1 to 612-6 | 2) It shall be payable from the nearest approved quarry.   |
|         | ii) 20 lbs. bitumen, and 2.0 Cft. bajri of nominal size 3/8" (10 mm) per % Sft. or 0.79 Kg bitumen and 0.006 cu.metre bajri per sq.metre.   | 100Sft.                        | 59.55   | 1151.90   | sq.m                        | 6.40   | 123.95    |                |  |
|         | b) Subsequent carriage of crushed stone aggregate/bajri.  | 100Cft.                        |         |           | cu.m                        |        |           |                | Same remarks as against item 8(b) above.   |
| 10      | Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density.  | per inch thickness per 100Sft. |         |           | per 25mm thickness per Sq.m |        |           | 641-1 to 642-6 |  |
|         | (i) 3% Bitumen  | -do-                           | 1020.20 | 3201.75   | -do-                        | 109.80 | 344.65    |                |  |
|         | (ii) 3.5% Bitumen   | -do-                           | 1020.20 | 3496.05   | -do-                        | 109.80 | 376.30    |                |  |
|         | (iii) 4% Bitumen  | -do-                           | 1020.20 | 3790.40   | -do-                        | 109.80 | 408.00    |                |  |
|         | (iv) 4.5% Bitumen   | -do-                           | 1020.20 | 4084.75   | -do-                        | 109.80 | 439.70    |                |  |
|         | (v) 5% Bitumen  | -do-                           | 1020.20 | 4378.85   | -do-                        | 109.80 | 471.35    |                |  |
|         | (vi) 5.5% Bitumen   | -do-                           | 1020.20 | 4673.40   | -do-                        | 109.80 | 503.05    |                |  |
|         | (vii) 6% Bitumen  | -do-                           | 1020.20 | 4967.75   | -do-                        | 109.80 | 534.70    |                |  |
| 11      | Scarifying old road surface including removal of debris within 1 chain (30 m).  | 100Sft.                        | 151.80  | -         | Sq.m                        | 16.35  | -         |                |  |
|         | <b><u>Incidental Construction</u></b>   |                                |         |           |                             |        |           |                |  |
| 12      | Providing R.C.C. railing on bridges, as per standard drawing.   | Per Rft.                       | 83.50   | 952.00    | Metre                       | 273.90 | 3123.45   | 901-1 to 901-4 | The rate includes cost of steel, its fabrication, laying in position and fastening, including cost of binding. |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System)                        |  |   | Rate (Metric System)                 |  |   | Spec. No.      | Remarks   |
|---------|---|--|--|---|--------------------------------------|--|---|----------------|---|
|         |   | Unit   | Labour   | Composite   | Unit                                 | Labour   | Composite   |                |   |
| 13      | Providing and fixing G.I. pipe railing, as per standard drawing.  | Per Rft. of 3 rows of Pipes                  | 67.30  | 669.55  | Metre                                | 220.75   | 2196.65   | ditto          | wire and removal of rust from the bars, etc.  |
| 14      | Providing and fixing steel bearings of standard quality and type at site of work.   | Each Set of one end                          | -  | 2400.00   | Each set of one end                  | -  | 2400.00   | 911-1 to 911-6 |   |
| 15      | Providing and fixing rubber bearing pad at site of work.  | Per Cu. Inch                                 | -  | 18.00   | cu.cm                                | -  | 1.10  | ditto          |   |
| 16      | Providing and laying expansion joint of neoprene strip 4"x¼" (100 mm x 6 mm) and plastic bitumen.   | Per Rft.                                     | 46.20  | 182.75  | Metre                                | 151.60   | 599.55  | 921-1 to 921-4 |   |
| 17      | Providing and fixing rain water outlet of A.C. pipe.  | Each   | 23.10  | 251.25  | Each                                 | 23.10  | 251.25  | 931-1 to 933-4 |   |
| 18      | Providing and erection at site of work:-<br>i) R.C.C. mile/Km. stone<br>ii) R.C.C. furlong/½ Km. stone<br>iii) R.C.C. boundary pillar.<br>iv) Sign post of M.S. plate 1/8" thick (3 mm)<br>a) Mandatory.<br>b) Warning/Direction/Informatory. | Each<br>Each<br>Each<br>Each<br>Each<br>Each | 1608.95<br>77.40<br>145.75<br>510.45<br>493.80 | 3664.95<br>289.35<br>456.35<br>4251.80<br>3975.55 | Each<br>Each<br>Each<br>Each<br>Each | 1608.95<br>77.40<br>145.75<br>510.45<br>493.80 | 3664.95<br>289.35<br>456.35<br>4251.80<br>3975.55 | 941-1 to 941-5 | The rate is for complete item of work according to Standard design including cement concrete foundation block and painting letters etc. |
| 19      | Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.  | 100Cft.                                      | 1876.70  | 11884.70  | cu.m                                 | 662.85   | 4197.70   |                | The nominal thickness of bricks (2-11/16") shall be taken for the purpose of measurement and payment. (9" x 4-3/8" x 2-11/16")          |

# 19. PLUMBING, SANITARY INSTALLATION & GAS FITTINGS

- 1 Rates for all finished works include the removal of surplus debris, unused material & by products.
- 2 The material used shall conform to Schedule of Rates, Vol. I, Part I, (Specifications for Materials of Construction, 1964, and the work will be executed according to Buildings & Roads Department Specifications, Vol II, 1966 (Public Health Works).
- 3 The rates include cutting and making good of the surface of walls, roof, floor, etc. where necessary.

## MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
| 1       | Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-   |                       |        |           |                      |        |           |           |         |
|         | i) white   | Each                  | 262.35 | 1,953.55  | Each                 | 262.35 | 1,953.55  |           |         |
|         | ii) coloured   | Each                  | 262.35 | 2,133.55  | Each                 | 262.35 | 2,133.55  |           |         |
| 2       | Providing and fixing, double seat and cover only.  |                       |        |           |                      |        |           |           |         |
|         | i) bakelite  | Each                  | 3.05   | 321.05    | Each                 | 3.05   | 321.05    |           |         |
|         | ii) plastic  | Each                  | 3.05   | 219.05    | Each                 | 3.05   | 219.05    |           |         |
| 3       | Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.                            |                       |        |           |                      |        |           |           |         |
|         | i) white   | Each                  | 203.80 | 1,103.35  | Each                 | 203.80 | 1,103.35  |           |         |
|         | ii) coloured   | Each                  | 203.80 | 1,295.35  | Each                 | 203.80 | 1,295.35  |           |         |
| 4       | Providing and fitting white glazed earthen ware water closet, squatter type, with separate foot rest.                                      | Each                  | 203.80 | 1,931.80  | Each                 | 203.80 | 1,931.80  |           |         |
| 5       | Providing and fitting water closet, squatter type of terrazzo concrete.  | Each                  | 203.80 | 527.35    | Each                 | 203.80 | 527.35    |           |         |
| 6       | Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.    |                       |        |           |                      |        |           |           |         |
|         | i) white, with pedestal  | Each                  | 260.70 | 2,336.70  | Each                 | 260.70 | 2,336.70  |           |         |
|         | ii) coloured, with pedestal  | Each                  | 260.70 | 2,528.70  | Each                 | 260.70 | 2,528.70  |           |         |
|         | iii) white, without pedestal   | Each                  | 232.25 | 1,594.25  | Each                 | 232.25 | 1,594.25  |           |         |
|         | iv) coloured, without pedestal   | Each                  | 232.25 | 1,660.25  | Each                 | 232.25 | 1,660.25  |           |         |
| 7       | Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling. | Each                  | 232.25 | 4,311.55  | Each                 | 232.25 | 4,311.55  |           |         |
| 8       | Providing and fitting terrazzo concrete sink 60x45 cm (24"x18")  | Each                  | 232.25 | 996.35    | Each                 | 232.25 | 996.35    |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.   | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|---|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |   |         |
|         | with drain board of mosaic, including bracket set, waste pipe and waste coupling.   |                       |        |           |                      |        |           |   |         |
| 9       | Providing and fixing glazed earthen ware sink, including bracket set, waste pipe and waste coupling:-   |                       |        |           |                      |        |           |   |         |
|         | i) 60x45 cm (24"x18")   | Each                  | 232.25 | 1,557.45  | Each                 | 232.25 | 1,557.45  |   |         |
|         | ii) 37.5x45 cm (15"x18")  | Each                  | 232.25 | 1,377.45  | Each                 | 232.25 | 1,377.45  |   |         |
| 10      | Providing and fixing glazed earthen ware flat back urinal.  | Each                  | 146.85 | 835.25    | Each                 | 146.85 | 835.25    |   |         |
| 11      | Providing and fitting glazed earthen ware low down flushing cistern 13.63 litres (3 gallons) capacity, including bracket set, copper connection, etc.     |                       |        |           |                      |        |           |   |         |
|         | i) white  | Each                  | 232.25 | 1,215.75  | Each                 | 232.25 | 1,215.75  |   |         |
|         | ii) coloured  | Each                  | 232.25 | 1,287.75  | Each                 | 232.25 | 1,287.75  |   |         |
| 12      | Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.    |                       |        |           |                      |        |           |   |         |
|         | i) white  | Each                  | 232.25 | 1,047.75  | Each                 | 232.25 | 1,047.75  |   |         |
|         | ii) coloured  | Each                  | 232.25 | 1,047.75  | Each                 | 232.25 | 1,047.75  | If rubber connection is used, the composite rate will be reduced by Rs. 12.50 |         |
| 13      | Providing and fixing white enameled cast iron low down flushing cistern 13.63 litres (3 gallons) capacity, including bracket set, copper connection, etc. | Each                  | 232.25 | 1,227.80  | Each                 | 232.25 | 1,227.80  |   |         |
| 14      | Providing and fixing cast iron high level flushing cistern including cost of bracket set, copper connection, etc.   |                       |        |           |                      |        |           |   |         |
|         | i) 13.63 litres (3 gallons) capacity  | Each                  | 246.90 | 2,352.50  | Each                 | 246.90 | 2,352.50  |   |         |
|         | ii) 4.55 litres (1 gallon) capacity   | Each                  | 246.90 | 1,512.50  | Each                 | 246.90 | 1,512.50  |   |         |
| 15      | Providing and fixing, chromium plated soap dish.  | Each                  | 14.70  | 182.90    | Each                 | 14.70  | 182.90    |   |         |
| 16      | Providing and fitting, glazed earthen ware soap dish.   |                       |        |           |                      |        |           |   |         |
|         | i) white  | Each                  | 14.70  | 462.50    | Each                 | 14.70  | 462.50    |   |         |
|         | ii) coloured  | Each                  | 14.70  | 210.50    | Each                 | 14.70  | 210.50    |   |         |
| 17      | Providing and fixing, chromium plated toilet paper holder.  | Each                  | 19.60  | 391.10    | Each                 | 19.60  | 391.10    |   |         |
| 18      | Providing and fixing, chromium plated towel rail:-  |                       |        |           |                      |        |           |   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | i) 60 cm (24") long, and 2 cm (¾") dia.   | Each                  | 19.60  | 343.20    | Each                 | 19.60  | 343.20    |           |         |
|         | ii) 50 cm (20") long, and 1.5 cm (½") dia.  | Each                  | 19.60  | 283.20    | Each                 | 19.60  | 283.20    |           |         |
| 19      | Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.                    | Each                  | 36.70  | 356.30    | Each                 | 36.70  | 356.30    |           |         |
| 20      | Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass:-                                    |                       |        |           |                      |        |           |           |         |
|         | i) with chromium plated brackets and railing.   | Each                  | 43.95  | 339.85    | Each                 | 43.95  | 339.85    |           |         |
|         | ii) glass shelf only, without chromium plated brackets and railing.   | Each                  | 29.35  | 73.75     | Each                 | 29.35  | 73.75     |           |         |
| 21      | Providing and fitting glazed earthen ware shelf 60x13 cm (24"x5"), with chromium plated bracket and railing:- |                       |        |           |                      |        |           |           |         |
|         | i) White  | Each                  | 43.95  | 895.45    | Each                 | 43.95  | 895.45    |           |         |
|         | ii) Coloured  | Each                  | 43.95  | 1,015.45  | Each                 | 43.95  | 1,015.45  |           |         |
| 22      | Providing and fitting:-   |                       |        |           |                      |        |           |           |         |
|         | i) plastic soap dish  | Each                  | 14.70  | 147.45    | Each                 | 14.70  | 147.45    |           |         |
|         | ii) plastic toilet paper holder   | Each                  | 19.60  | 209.50    | Each                 | 19.60  | 209.50    |           |         |
|         | iii) plastic towel rail   | Each                  | 19.60  | 227.50    | Each                 | 19.60  | 227.50    |           |         |
|         | iv) plastic shelf 60x13 cm (24"x5") with bracket and railing.   | Each                  | 19.60  | 411.10    | Each                 | 19.60  | 411.10    |           |         |
| 23      | Providing and fixing chromium plated pillar-cock, heavy:-   |                       |        |           |                      |        |           |           |         |
|         | i) 2 cm (¾")  | Each                  | 19.60  | 523.60    | Each                 | 19.60  | 523.60    |           |         |
|         | ii) 1.5 cm (½")   | Each                  | 19.60  | 679.60    | Each                 | 19.60  | 679.60    |           |         |
| 24      | Providing and fixing chromium plated stop cock, heavy:-   |                       |        |           |                      |        |           |           |         |
|         | i) 2 cm (¾")  | Each                  | 19.60  | 259.60    | Each                 | 19.60  | 259.60    |           |         |
|         | ii) 1.5 cm (½")   | Each                  | 19.60  | 172.00    | Each                 | 19.60  | 172.00    |           |         |
| 25      | Providing and fixing underground stop cock 13 mm (½"), with chromium plated cover.                            | Each                  | 28.25  | 467.30    | Each                 | 28.25  | 467.30    |           |         |
| 26      | Providing and fixing chromium plated bib cock:-   |                       |        |           |                      |        |           |           |         |
|         | i) 2 cm (¾")  | Each                  | 19.60  | 331.60    | Each                 | 19.60  | 331.60    |           |         |
|         | ii) 1.5 cm (½")   | Each                  | 19.60  | 313.60    | Each                 | 19.60  | 313.60    |           |         |
| 27      | Providing and fixing chromium plated tee stop cock 15mm (½").   | Each                  | 19.60  | 439.60    | Each                 | 19.60  | 439.60    |           |         |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.   | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|---|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |   |         |
| 28      | Providing and fixing chromium plated shower rose:-   |                       |        |           |                      |        |           |   |         |
|         | i) 1.5x10 cm (½"x4")   | Each                  | 19.60  | 319.60    | Each                 | 19.60  | 319.60    |   |         |
|         | ii) 2x15 cm (¾"x6")  | Each                  | 19.60  | 397.60    | Each                 | 19.60  | 397.60    |   |         |
| 29      | Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.   | Each                  | 24.50  | 1,524.50  | Each                 | 24.50  | 1,524.50  |   |         |
| 30      | Providing and fixing gun metal peet/gate valve (screwed):-   |                       |        |           |                      |        |           | For brass peet/gate valve (screwed), the composite rates of items (i) to (v) will be reduced by Rs. 66, 77, 95, 107 and 120 respectively. |         |
|         | i) 30 mm (1¼") dia   | Each                  | 29.35  | 419.35    | Each                 | 29.35  | 419.35    |   |         |
|         | ii) 40 mm(1½") dia   | Each                  | 29.35  | 575.35    | Each                 | 29.35  | 575.35    |   |         |
|         | iii) 50 mm(2") dia   | Each                  | 29.35  | 791.35    | Each                 | 29.35  | 791.35    |   |         |
|         | iv) 65 mm(2½") dia   | Each                  | 29.35  | 1,253.35  | Each                 | 29.35  | 1,253.35  |   |         |
|         | v) 80 mm(3") dia   | Each                  | 29.35  | 1,859.35  | Each                 | 29.35  | 1,859.35  |   |         |
| 31      | Providing and fitting, chromium plated or brass oxidised, swan neck cock 15 mm (½") dia.   |                       |        |           |                      |        |           |   |         |
|         | i) single way  | Each                  | 19.60  | 361.60    | Each                 | 19.60  | 361.60    |   |         |
|         | ii) two way  | Each                  | 29.35  | 623.35    | Each                 | 29.35  | 623.35    |   |         |
|         | iii) three way   | Each                  | 39.15  | 753.15    | Each                 | 39.15  | 753.15    |   |         |
| 32      | Providing and fixing, union brass cock.  |                       |        |           |                      |        |           |   |         |
|         | i) 13 mm (½") dia  | Each                  | 19.60  | 133.60    | Each                 | 19.60  | 133.60    |   |         |
|         | ii) 20 mm (¾") dia   | Each                  | 19.60  | 211.60    | Each                 | 19.60  | 211.60    |   |         |
| 33      | Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:-  |                       |        |           |                      |        |           |   |         |
|         | i) 10x5 cm (4"x2")   | Each                  | 58.75  | 363.50    | Each                 | 58.75  | 363.50    |   |         |
|         | ii) 10x7.5 cm (4"x3")  | Each                  | 58.75  | 357.50    | Each                 | 58.75  | 357.50    |   |         |
| 34      | Providing and fitting "P" trap:-   |                       |        |           |                      |        |           |   |         |
|         | i) 10 cm (4") of cast iron.  | Each                  | 48.95  | 432.65    | Each                 | 48.95  | 432.65    |   |         |
|         | ii) 10 cm (4") glazed.   | Each                  | 48.95  | 112.25    | Each                 | 48.95  | 112.25    |   |         |
| 35      | Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12"). | Each                  | 73.45  | 591.80    | Each                 | 73.45  | 591.80    |   |         |
| 36      | Providing and fitting, cast iron soil pipe with:-  |                       |        |           |                      |        |           |   |         |
|         | i) lead caulked, yarn joint:-  |                       |        |           |                      |        |           |   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |   |
|         | a) 10 cm (4") i/d  | Per foot              | 22.85  | 216.15    | Metre                | 74.90  | 709.00    |           |   |
|         | b) 5 cm (2") i/d   | Per foot              | 9.15   | 91.40     | Metre                | 29.95  | 299.80    |           |   |
|         | ii) cement caulked joint:-   |                       |        |           |                      |        |           |           |   |
|         | a) 10 cm (4") i/d  | Per foot              | 5.35   | 144.05    | Metre                | 17.55  | 472.50    |           |   |
|         | b) 5 cm (2") i/d   | Per foot              | 2.15   | 78.80     | Metre                | 7.00   | 258.50    |           |   |
| 37      | Providing and fitting, A.C. soil pipe with cement caulked joint, including all specials:-    |                       |        |           |                      |        |           |           |   |
|         | i) 60 (2¼)" mm i/d   | Per foot              | 4.30   | 28.25     | Metre                | 14.05  | 92.60     |           |   |
|         | ii) 80 (3") mm i/d   | Per foot              | 4.75   | 67.35     | Metre                | 15.60  | 220.90    |           |   |
|         | iii) 100 (4") mm i/d   | Per foot              | 5.35   | 102.00    | Metre                | 17.55  | 334.60    |           |   |
|         | iv) 150 (6") mm i/d  | Per foot              | 7.15   | 127.15    | Metre                | 23.40  | 417.15    |           |   |
| 38      | Providing and fitting cast iron specials, such as tee bend, collar, cross, etc. plain type:- |                       |        |           |                      |        |           |           | In case of plug type, the composite rate shall be increased by Rs.2 per kg. |
|         | i) lead caulked joint  | Kg                    | 18.90  | 144.30    | Kg                   | 18.90  | 144.30    |           |   |
|         | ii) cement caulked joint   | Kg                    | 11.60  | 108.10    | Kg                   | 11.60  | 108.10    |           |   |
| 39      | Supply and fitting of cast iron manhole cover with frame, etc. complete.                     |                       |        |           |                      |        |           |           |   |
|         | i) 30 cm (12") dia   | Each                  | 29.35  | 173.35    | Each                 | 29.35  | 173.35    |           |   |
|         | ii) 45 cm (18") dia  | Each                  | 29.35  | 845.35    | Each                 | 29.35  | 845.35    |           |   |
|         | iii) 60 cm (24") dia   | Each                  | 46.75  | 1,426.75  | Each                 | 46.75  | 1,426.75  |           |   |
| 40      | Providing and fitting R.C.C. pipe 10 cm (4") dia, including laying and jointing in trenches. | Per foot              | 11.40  | 36.60     | Metre                | 37.45  | 120.10    |           |   |
| 41      | Providing and fitting chromium plated or oxidised, gas cock 6mm (¼"):-                       |                       |        |           |                      |        |           |           |   |
|         | i) single way  | Each                  | 19.60  | 187.60    | Each                 | 19.60  | 187.60    |           |   |
|         | ii) two way  | Each                  | 29.35  | 281.35    | Each                 | 29.35  | 281.35    |           |   |
|         | iii) three way   | Each                  | 39.15  | 471.15    | Each                 | 39.15  | 471.15    |           |   |
| 42      | Providing and fitting nipple or bush, 6 mm to 10 mm (¼" to 3/8") i/d.                        | Each                  | 14.70  | 44.70     | Each                 | 14.70  | 44.70     |           |   |
| 43      | Providing and fixing, brass gas cock:-   |                       |        |           |                      |        |           |           |   |
|         | a) 15 mm (½") dia  | Each                  | 3.05   | 87.05     | Each                 | 3.05   | 87.05     |           |   |
|         | b) 20 mm (¾") dia  | Each                  | 111.25 | 99.05     | Each                 | 111.25 | 99.05     |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
| 44      | Providing and fixing brass stop cock/bib cock:-                                   |                       |        |           |                      |        |           |           |         |
|         | a) 15 mm (½") dia   | Each                  | 4.90   | 76.90     | Each                 | 4.90   | 76.90     |           |         |
|         | b) 20 mm (¾") dia   | Each                  | 4.90   | 115.30    | Each                 | 4.90   | 115.30    |           |         |
| 45      | Hoisting and placing in position, precast R.C. latrine seats.                     | Each                  | 246.70 | -         | Each                 | 246.70 | -         |           |         |
|         | <b>Replacement</b>  |                       |        |           |                      |        |           |           |         |
| 1       | Providing and fixing, chromium plated waste coupling:-                            |                       |        |           |                      |        |           |           |         |
|         | i) 3 cm (1¼")   | Each                  | 29.35  | 112.15    | Each                 | 29.35  | 112.15    |           |         |
|         | ii) 4 cm (1½")  | Each                  | 29.35  | 118.15    | Each                 | 29.35  | 118.15    |           |         |
| 2       | Providing and fixing rubber plug with chain:-                                     |                       |        |           |                      |        |           |           |         |
|         | i) 3 cm (1¼")   | Each                  | 1.20   | 45.60     | Each                 | 1.20   | 45.60     |           |         |
|         | ii) 4 cm (1½")  | Each                  | 1.20   | 52.80     | Each                 | 1.20   | 52.80     |           |         |
| 3       | Providing and fixing, waste pipe of PVC:-   |                       |        |           |                      |        |           |           |         |
|         | i) 3 cm (1¼")   | Each                  | 14.70  | 39.90     | Each                 | 14.70  | 39.90     |           |         |
|         | ii) 4 cm (1½")  | Each                  | 14.70  | 45.90     | Each                 | 14.70  | 45.90     |           |         |
| 4       | Providing and fixing, flushing bend of PVC.                                       |                       |        |           |                      |        |           |           |         |
|         | i) 3 cm (1¼")   | Each                  | 13.05  | 38.25     | Each                 | 13.05  | 38.25     |           |         |
|         | ii) 4 cm (1½")  | Each                  | 13.05  | 44.25     | Each                 | 13.05  | 44.25     |           |         |
| 5       | Providing and fixing chromium plated bottle trap with waste pipe, etc. complete:- |                       |        |           |                      |        |           |           |         |
|         | i) 3 cm (1¼") i/d   | Each                  | 29.35  | 533.35    | Each                 | 29.35  | 533.35    |           |         |
|         | ii) 4 cm (1½")  | Each                  | 29.35  | 653.35    | Each                 | 29.35  | 653.35    |           |         |
| 6       | Providing and fixing, angle iron brackets for:-                                   |                       |        |           |                      |        |           |           |         |
|         | i) wash hand basin and cistern  | Each                  | 29.35  | 151.75    | Each                 | 29.35  | 151.75    |           |         |
|         | ii) sinks   | Each                  | 29.35  | 166.15    | Each                 | 29.35  | 166.15    |           |         |
| 7       | Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc.:-     |                       |        |           |                      |        |           |           |         |
|         | i) plastic rubber connection  | Each                  | 11.75  | 42.95     | Each                 | 11.75  | 42.95     |           |         |
|         | ii) copper connection   | Each                  | 11.75  | 80.15     | Each                 | 11.75  | 80.15     |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                                   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
| 8       | Providing and fixing brass ball float valve:- |                       |        |           |                      |        |           |           |         |
|         | i) 1.5 cm (½") dia                            | Each                  | 24.50  | 216.50    | Each                 | 24.50  | 216.50    |           |         |
|         | ii) 2.0 cm (¾") dia                           | Each                  | 24.50  | 282.50    | Each                 | 24.50  | 282.50    |           |         |
|         | iii) 2.5 cm (1") dia                          | Each                  | 24.50  | 342.50    | Each                 | 24.50  | 342.50    |           |         |
|         | iv) 3 cm (1¼") dia                            | Each                  | 24.50  | 372.50    | Each                 | 24.50  | 372.50    |           |         |
|         | v) 4.0 cm (1½") dia                           | Each                  | 24.50  | 516.50    | Each                 | 24.50  | 516.50    |           |         |
|         | vi) 5 cm (2") dia                             | Each                  | 24.50  | 900.50    | Each                 | 24.50  | 900.50    |           |         |



## 20. SURFACE DRAINAGE

1. Specification No. correspond to Book of Specification (B & R Department ) Vol. 11, 1966 (public Health Works).
2. Rates for all finished works include the removal of surplus debris, unused material and by products

| MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL |  |  |  |  |  |  |   |           |         |
|---|--|--|--|--|--|--|---|-----------|---------|
| Sr. No.   | Description  | Rate (British System)                      |  |  | Rate (Metric System)                     |  |   | Spec. No. | Remarks |
|   |  | Unit                                       | Labour   | Composite  | Unit                                     | Labour                                   | Composite                                   |           |         |
| 1   | Tega formed of pacca bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150 mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the Engineer's drawing:-<br><br>a) 3" thick (75 mm)<br><br>i) ratio 1:3<br>ii) ratio 1:5<br><br>B) 4½" thick (113 mm)<br><br>i) ratio 1:3<br>ii) ratio 1:5 | 100Rft<br>ditto<br><br><br>100Rft<br>ditto | 771.55<br>771.55<br><br><br>1,156.85<br>1,156.85 | 3,117.25<br>2,960.95<br><br><br>4,531.95<br>4,294.30 | Metre<br>ditto<br><br><br>ditto<br>ditto | 25.30<br>25.30<br><br><br>37.95<br>37.95 | 102.25<br>97.10<br><br><br>148.65<br>140.85 | 17.1      |         |
| 2   | Pacca flat brick 3" (75 mm ) thick, laid in reimbursement, in cement, sand mortar, on sides of drains and in other works where required. All joints to be completely filled and struck flush:-<br><br>a) ratio 1:3<br>b) ratio 1:5<br>c) ratio 1:6   | 100Sft.<br>ditto<br>ditto                  | 1,138.35<br>1,138.35<br>1,138.35                 | 4,419.15<br>4,167.75<br>4,097.00                     | Sqm.<br>ditto<br>ditto                   | 122.50<br>122.50<br>122.50               | 475.50<br>448.45<br>440.85                  | 17.1      |         |
| 3   | Pacca brick on edge, laid in reimbursement, in cement, sand mortar, on sides of drains and on other works where required. All joints to be completely filled and struck flush:-<br><br>a) ratio 1:3<br>b) ratio 1:5<br>c) ratio 1:6  | 100Sft.<br>ditto<br>ditto                  | 1,618.30<br>1,618.30<br>1,618.30                 | 6,567.25<br>6,163.90<br>6,063.60                     | Sqm.<br>ditto<br>ditto                   | 174.15<br>174.15<br>174.15               | 706.65<br>663.25<br>652.45                  | 17.1      |         |
| 4   | Pacca flat brick, Herring bond pitching in cement, sand mortar, laid to lines, grades, shapes and slopes as per Engineer's drawing:-   |  |  |  |  |  |   | 17.2      |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No.  | Description                          | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|--|--------------------------------------|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|---------|
|  |                                      | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |         |
| 5  | a) ratio 1:3                         | 100Sft.               | 1,083.70 | 4,364.50  | Sqm.                 | 116.60 | 469.60    | 17.2      |         |
|  | b) ratio 1:5                         | ditto                 | 1,083.70 | 4,113.10  | ditto                | 116.60 | 442.55    |           |         |
|  | c) ratio 1:6                         | ditto                 | 1,083.70 | 4,042.35  | ditto                | 116.60 | 434.95    |           |         |
| Pacca brick on edge, Herring bond pitching in cement, sand mortar, laid to lines, grades, shapes and slopes as per Engineer's drawing:-  |                                      |                       |          |           |                      |        |           |           |         |
| 6  | a) ratio 1:3                         | 100Sft.               | 1,674.80 | 6,623.75  | Sqm.                 | 180.20 | 712.70    | 17.1      |         |
|  | b) ratio 1:5                         | ditto                 | 1,674.80 | 6,220.40  | ditto                | 180.20 | 669.30    |           |         |
|  | c) ratio 1:6                         | ditto                 | 1,674.80 | 6,120.10  | ditto                | 180.20 | 658.50    |           |         |
| Constructing Punjab Standard Drains. of cement concrete 1:2 ½ :5, with cement concrete bedding ratio 1:6:12, complete, laid to lines, grades, slopes and shapes, rendering exposed surface of concrete with 1:1 cement, sand mortar, ¼" (6 mm) thick, as per Engineer's drawing (excluding excavation):- |                                      |                       |          |           |                      |        |           |           |         |
| 7  | a) Type I                            | Per Rft               | 25.95    | 76.05     | Metre                | 85.10  | 249.50    |           |         |
|  | b) Type II                           | ditto                 | 51.90    | 139.20    | ditto                | 170.15 | 456.55    |           |         |
|  | c) Type III                          | ditto                 | 67.70    | 180.70    | ditto                | 222.05 | 592.75    |           |         |
|  | d) Type IV                           | ditto                 | 80.70    | 215.40    | ditto                | 264.65 | 706.55    |           |         |
|  | e) Type V                            | ditto                 | 106.50   | 294.10    | ditto                | 349.40 | 964.70    |           |         |
|  | f) Type VI                           | ditto                 | 122.55   | 336.95    | ditto                | 401.90 | 1,105.15  |           |         |
|  | g) Type VII                          | ditto                 | 135.80   | 370.95    | ditto                | 445.45 | 1,216.70  |           |         |
|  | h) Type VIII                         | ditto                 | 151.70   | 416.60    | ditto                | 497.50 | 1,366.40  |           |         |
|  | i) Type IX                           | ditto                 | 203.05   | 592.00    | ditto                | 666.05 | 1,941.80  |           |         |
|  | j) Type X                            | ditto                 | 223.05   | 648.75    | ditto                | 731.55 | 2,127.95  |           |         |
|  | k) Type XI                           | ditto                 | 249.25   | 721.35    | ditto                | 817.50 | 2,366.05  |           |         |
|  | l) Type XII                          | ditto                 | 265.70   | 765.00    | ditto                | 871.50 | 2,509.20  |           |         |
| Laying R.C.C hume pipes in position, including jointing:-  |                                      |                       |          |           |                      |        |           |           |         |
| 7  | a) 6" to 12" (150 mm to 300 mm ) dia | Per Lft.              | 48.20    | 51.05     | Metre                | 158.05 | 167.50    |           |         |
|  | b) 12" to 24" (300 mm to 600 mm) dia | ditto                 | 75.50    | 81.25     | ditto                | 247.65 | 266.55    |           |         |
|  | c) 24" to 36" (600 mm to 900 mm) dia | ditto                 | 96.35    | 105.05    | ditto                | 316.05 | 344.50    |           |         |

## 21. SEWERAGE

- 1 Specification No. correspond to Book of Specification of B&R Department Vol. II, 1966 (Public Health Works).
- 2 Rate for all finished works include the removal of surplus debris, unused material and byproducts.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.   | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-------------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |             |         |
| 1       | Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc including cost of reinforcement, conforming to B.S. 591 Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete |                       |        |           |                      |        |           | Chapter - 8 |         |
|         | i) 100 mm (4") i/d  | Rft.                  | 13.40  | 65.85     | Metre                | 43.95  | 216.00    |             |         |
|         | ii) 150 mm (6") i/d   | Rft.                  | 16.20  | 104.05    | Metre                | 53.15  | 341.30    |             |         |
|         | iii) 225 mm (9") i/d  | Rft.                  | 31.30  | 267.10    | Metre                | 102.65 | 876.10    |             |         |
| 2       | Providing and laying non-reinforced concrete pipe moulded with cement concrete 1:1½:3, conforming to ASTM Specification C-14-73, Class 2, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete  |                       |        |           |                      |        |           | ditto       |         |
|         | i) 100 mm (4") i/d  | Rft.                  | 10.05  | 33.25     | Metre                | 32.95  | 109.05    |             |         |
|         | ii) 150 mm (6") i/d   | Rft.                  | 12.15  | 47.55     | Metre                | 39.85  | 155.95    |             |         |
|         | iii) 200 mm (8") i/d  | Rft.                  | 19.50  | 65.90     | Metre                | 63.95  | 216.15    |             |         |
|         | iv) 225 mm (9") i/d wall thickness 1 inch (25 mm)   | Rft.                  | 21.05  | 83.45     | Metre                | 69.05  | 273.70    |             |         |
|         | v) 250 mm (10") i/d   | Rft.                  | 21.45  | 92.40     | Metre                | 70.35  | 303.05    |             |         |
| 3       | Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II, Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete   |                       |        |           |                      |        |           | ditto       |         |
|         | i) 310 mm (12") i/d   | Rft.                  | 32.40  | 339.75    | Metre                | 106.25 | 1114.40   |             |         |
|         | ii) 380 mm (15") i/d  | Rft.                  | 40.65  | 416.30    | Metre                | 133.35 | 1365.45   |             |         |
|         | iii) 460 mm (18") i/d   | Rft.                  | 49.05  | 450.45    | Metre                | 160.90 | 1477.50   |             |         |
|         | iv) 530 mm (21") i/d  | Rft.                  | 61.40  | 580.20    | Metre                | 201.40 | 1903.05   |             |         |
|         | v) 610 mm (24") i/d   | Rft.                  | 70.90  | 695.95    | Metre                | 232.55 | 2282.70   |             |         |
|         | vi) 690 mm (27") i/d  | Rft.                  | 103.80 | 972.40    | Metre                | 340.45 | 3189.45   |             |         |
|         | vii) 760 mm (30") i/d   | Rft.                  | 124.45 | 1038.35   | Metre                | 408.20 | 3405.80   |             |         |
|         | viii) 840 mm (33") i/d  | Rft.                  | 154.80 | 1214.85   | Metre                | 507.75 | 3984.70   |             |         |
|         | ix) 910 mm (36") i/d  | Rft.                  | 190.45 | 1645.75   | Metre                | 624.70 | 5398.05   |             |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No.                 | Description  | Rate (British System) |         |           | Rate (Metric System) |          |           | Spec. No.   | Remarks |  |
|-------------------------|--|-----------------------|---------|-----------|----------------------|----------|-----------|-------------|---------|--|
|                         |  | Unit                  | Labour  | Composite | Unit                 | Labour   | Composite |             |         |  |
| 4                       | x) 1070 mm (42") i/d   | Rft.                  | 247.85  | 2143      | Metre                | 812.95   | 7029.05   | Chapter-8   |         |  |
|                         | xi) 1220 mm (48") i/d  | Rft.                  | 463.05  | 2843.3    | Metre                | 1518.8   | 9326      |             |         |  |
|                         | xii) 1370 mm (54") i/d   | Rft.                  | 636.85  | 3560.15   | Metre                | 2088.85  | 11677.3   |             |         |  |
|                         | xiii) 1520 mm (60") i/d  | Rft.                  | 815.6   | 4063.7    | Metre                | 2675.15  | 13328.95  |             |         |  |
|                         | xiv) 1680 mm (66") i/d   | Rft.                  | 1269.85 | 4842.75   | Metre                | 4165.1   | 15884.2   |             |         |  |
|                         | xv) 1830 mm (72") i/d  | Rft.                  | 1572.20 | 5469.90   | Metre                | 5156.80  | 17941.25  |             |         |  |
|                         | Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class III, Wall B, including carriage of pipes from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipe where necessary, testing, etc. complete |                       |         |           |                      |          |           |             |         |  |
|                         | i) 310 mm (12") i/d  | Rft.                  | 32.40   | 410.00    | Metre                | 106.20   | 1344.80   |             |         |  |
|                         | ii) 380 mm (15") i/d   | Rft.                  | 40.65   | 505.05    | Metre                | 133.35   | 1656.55   |             |         |  |
|                         | iii) 460 mm (18") i/d  | Rft.                  | 49.05   | 636.95    | Metre                | 160.95   | 2089.20   |             |         |  |
|                         | iv) 530 mm (21") i/d   | Rft.                  | 61.40   | 778.85    | Metre                | 201.35   | 2554.65   |             |         |  |
|                         | v) 610 mm (24") i/d  | Rft.                  | 70.90   | 905.70    | Metre                | 232.45   | 2970.70   |             |         |  |
|                         | vi) 690 mm (27") i/d   | Rft.                  | 103.80  | 1080.45   | Metre                | 340.40   | 3543.90   |             |         |  |
|                         | vii) 760 mm (30") i/d  | Rft.                  | 124.45  | 1304.15   | Metre                | 408.15   | 4277.60   |             |         |  |
|                         | viii) 840 mm (33") i/d   | Rft.                  | 154.80  | 1452.50   | Metre                | 507.70   | 4764.20   |             |         |  |
|                         | ix) 910 mm (36") i/d   | Rft.                  | 190.45  | 1953.75   | Metre                | 624.70   | 6408.30   |             |         |  |
| x) 1070 mm (42") i/d    | Rft.   | 247.85                | 2539.60 | Metre     | 813.00               | 8329.90  |           |             |         |  |
| xi) 1220 mm (48") i/d   | Rft.   | 469.70                | 3088.85 | Metre     | 1540.60              | 10131.45 |           |             |         |  |
| xii) 1370 mm (54") i/d  | Rft.   | 646.15                | 3896.95 | Metre     | 2119.45              | 12782.00 |           |             |         |  |
| xiii) 1520 mm (60") i/d | Rft.   | 827.25                | 4820.70 | Metre     | 2713.35              | 15811.90 |           |             |         |  |
| xiv) 1680 mm (66") i/d  | Rft.   | 1288.45               | 6263.30 | Metre     | 4226.15              | 20543.60 |           |             |         |  |
| xv) 1830 mm (72") i/d   | Rft.   | 1595.50               | 7729.15 | Metre     | 5233.20              | 25351.60 |           |             |         |  |
| 5                       | Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class IV, Wall B, including carriage of pipes from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc. complete  |                       |         |           |                      |          |           |             |         |  |
|                         | i) 310 mm (12") i/d  | Rft.                  | 32.40   | 511.00    | Metre                | 106.20   | 1676.05   | Chapter - 8 |         |  |
|                         | ii) 380 mm (15") i/d   | Rft.                  | 40.65   | 638.95    | Metre                | 133.35   | 2095.70   |             |         |  |
|                         | iii) 460 mm (18") i/d  | Rft.                  | 49.05   | 767.00    | Metre                | 160.95   | 2515.75   |             |         |  |
|                         | iv) 530 mm (21") i/d   | Rft.                  | 61.40   | 899.00    | Metre                | 201.35   | 2948.65   |             |         |  |
|                         | v) 610 mm (24") i/d  | Rft.                  | 70.90   | 1028.10   | Metre                | 232.45   | 3372.20   |             |         |  |
|                         | vi) 690 mm (27") i/d   | Rft.                  | 103.80  | 1355.85   | Metre                | 340.40   | 4447.20   |             |         |  |
|                         | vii) 760 mm (30") i/d  | Rft.                  | 124.45  | 1561.15   | Metre                | 408.15   | 5120.70   |             |         |  |
|                         | viii) 840 mm (33") i/d   | Rft.                  | 154.80  | 1735.20   | Metre                | 507.70   | 5691.55   |             |         |  |
|                         | ix) 910 mm (36") i/d   | Rft.                  | 190.45  | 2461.70   | Metre                | 624.70   | 8074.35   |             |         |  |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.   | Remarks                                |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|---|--|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |   |  |
|         | x) 1070 mm (42") i/d  | Rft.                  | 247.85  | 3017.00   | Metre                | 813.00  | 9895.70   |   |  |
|         | xi) 1220 mm (48") i/d   | Rft.                  | 469.70  | 3634.30   | Metre                | 1540.35 | 11920.60  |   |  |
|         | xii) 1370 mm (54") i/d  | Rft.                  | 646.15  | 4912.95   | Metre                | 2119.65 | 16114.35  |   |  |
|         | xiii) 1520 mm (60") i/d   | Rft.                  | 827.25  | 6197.70   | Metre                | 2713.35 | 20328.55  |   |  |
|         | xiv) 1680 mm (66") i/d  | Rft.                  | 1288.45 | 8050.35   | Metre                | 4226.15 | 26405.10  |   |  |
|         | xv) 1830 mm (72") i/d   | Rft.                  | 1595.50 | 9497.85   | Metre                | 5233.20 | 31152.95  |   |  |
| 6       | Lowering of sub-soil water table, by installation of tubewell along sewer line and pumping out water, for excavation in open cutting below sub-soil water level, concreting, curbing, laying and jointing pipes, filling haunches, etc. till the completion of sewer line, including disposal of pumped out water:- |                       |         |           |                      |         |           | 1) This rate shall be payable, in addition to the item of excavation below SSWL for sewers and manholes under Chapter EARTHWORK<br>2) The grant of these rates shall be subject to Superintending Engineer's approval.<br>3) The rate includes cost of providing pumps, POL and all operation charges at the site of work, etc. |  |
|         | 1) 0-1 ft. (0 to 310 mm) below SSWL   | Rft of laid sewer     | -       | 191.00    | Metre of laid sewer  | -       | 626.50    |   |  |
|         | 2) 0-2 ft. (0 to 610 mm) below SSWL   | ditto                 | -       | 364.55    | ditto                | -       | 1195.75   |   |  |
|         | 3) 0-3 ft. (0 to 910 mm) below SSWL   | ditto                 | -       | 620.15    | ditto                | -       | 2034.05   |   |  |
|         | 4) 0-4 ft. (0 to 1220 mm) below SSWL  | ditto                 | -       | 894.75    | ditto                | -       | 2934.80   |   |  |
|         | 5) 0-5 ft. (0 to 1520 mm) below SSWL  | ditto                 | -       | 1244.80   | ditto                | -       | 4082.95   |   |  |
|         | 6) 0-6 ft. (0 to 1830 mm) below SSWL  | ditto                 | -       | 1540.10   | ditto                | -       | 5051.45   |   |  |
|         | 7) 0-7 ft. (0 to 2170 mm) below SSWL  | ditto                 | -       | 1839.60   | ditto                | -       | 6033.90   |   |  |
|         | 8) 0-8 ft. (0 to 2480 mm) below SSWL  | ditto                 | -       | 2112.40   | ditto                | -       | 6928.70   |   |  |
|         | 9) 0-9 ft. (0 to 2790 mm) below SSWL  | ditto                 | -       | 2283.30   | ditto                | -       | 7489.25   |   |  |
|         | 10) 0-10 ft. (0 to 3100 mm) below SSWL  | ditto                 | -       | 2630.50   | ditto                | -       | 8628.00   |   |  |
|         | 11) 0-11 ft. (0 to 3410 mm) below SSWL  | ditto                 | -       | 2924.70   | ditto                | -       | 9592.95   |   |  |
|         | 12) 0-12 ft. (0 to 3720 mm) below SSWL  | ditto                 | -       | 3241.60   | ditto                | -       | 10632.50  |   |  |
| 7       | Constructing gully grating chamber, 12"x12", ( 300x300 mm) complete in all respects   |                       |         |           |                      |         |           | 16.2  | Pipe connection to be paid separately. |
|         | a) with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) framed hinged safety type   | Each                  | 539.00  | 2480.50   | Each                 | 539.00  | 2480.50   |   |  |
|         | b) concrete Gully trap.   | ditto                 | 539.00  | 2255.50   | ditto                | 539.00  | 2255.50   |   |  |
| 8       | Constructing standard gully grating chamber, 3'x2½ (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects   | Each                  | 1627.80 | 7066.85   | Each                 | 1627.80 | 7066.85   | ditto   | Pipe connection to be paid separately. |
| 9       | Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish   | 100Sft.               | 685.75  | 1116.00   | Sq.m                 | 73.80   | 120.10    | 14.4  |  |
| 10      | Restoration of brick pavement on edge, over laid service line, with 2" (50 mm) sand cushion under soling  | 100Sft.               | 988.00  | 2406.40   | Sq.m                 | 106.30  | 258.95    | 13.1  |  |
| 11      | Restoration of flat brick pavement sand grouted, over 2   | 100Sft.               | 599.60  | 1614.35   | Sq.m                 | 64.50   | 173.70    | 13.1  |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |           |         |
|         | (50 mm) thick dry sand cushion, under soling on lai service line.   |                       |         |           |                      |        |           |           |         |
| 12      | Restoration of metalled road, on laid service line, including compaction:-  |                       |         |           |                      |        | 13.1      |           |         |
|         | a) Carpeted road, with 2" (50 mm) carpet and 10" (250 mm) depth of stone metal for sub-base and base  | 100Sft.               | 2591.25 | 8849.05   | Sq.m                 | 278.80 | 952.15    |           |         |
|         | b) Carpeted road, with 1½" (38 mm) carpet and 6" (150 mm) depth of stone metal, for sub-base and base   | 100Sft.               | 1864.80 | 6539.80   | Sq.m                 | 200.65 | 703.70    |           |         |
|         | c) Black Topped Road with two coats of surfacing & 10" (250 mm) depth of stone metal, for sub base & base.  | 100Sft.               | 714.60  | 4252.70   | Sq.m                 | 76.90  | 457.60    |           |         |
| 13      | Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and level:   | Each                  | 68.85   | 229.85    | Each                 | 68.85  | 229.85    | 14.7      |         |
| 14      | Fixing manhole frame and cover in R.C.C. slab including carriage to site.   | Per set               | 169.15  | -         | Per set              | 169.15 | -         | ditto     |         |
| 15      | Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20 (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977 complete in all respects | Per set               | 116.10  | 2833.15   | Per set              | 116.10 | 2833.15   | ditto     |         |
| 15-A    | Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respects  | Per set               | 230.50  | 4090.10   | Per set              | 230.50 | 4090.10   |           |         |
| 16      | Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects   | Per set               | 207.15  | 2497.80   | Per set              | 207.15 | 2497.80   | ditto     |         |
| 17      | Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with 3"x3"x¼" (75x75x6mm) angle iron frame, 22 (550 mm) i/d as per standard drawing STD/PD No. 7 of 1977, complete in all respects   | Per set               | 178.20  | 4011.60   | Per set              | 178.20 | 4011.60   | ditto     |         |
| 18      | Desilting of disposal work collecting tank, including removal of sludge within 3 chains (90 metre)  | 100Cft.               | 520.45  | 574.75    | cum                  | 183.85 | 203.00    | 16.2      |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
| 19      | Providing and installing, C.I. ventilating shaft painted with bituminous paint with foundation bolts, as per PHEI Standard Drawing STD/PD No. 4 of 1977, complete in all respects (except concrete foundation block) |                       |         |           |                      |         |           | 14.6      |         |
|         | a) 6" (150 mm) i/d shaft   |                       |         |           |                      |         |           |           |         |
|         | i) 18 ft. (5.5 metre) long   | Per Cwt               | 150.55  | 2305.35   | %kg                  | 296.40  | 4538.10   |           |         |
|         | ii) 24 ft. (7.30 metre) long   | ditto                 | 167.30  | 2328.40   | ditto                | 329.30  | 4583.45   |           |         |
|         | iii) 30 ft. (9.15 metre) long  | ditto                 | 180.70  | 2340.40   | ditto                | 355.65  | 4607.10   |           |         |
|         | iv) 36 ft. (11 metre) long   | ditto                 | 189.05  | 2349.15   | ditto                | 372.15  | 4624.30   |           |         |
|         | b) 9" (225 mm) i/d shaft   |                       |         |           |                      |         |           |           |         |
|         | i) 18 ft. (5.5 metre) long   | Per Cwt               | 132.80  | 2283.80   | %kg                  | 261.40  | 4495.65   |           |         |
|         | ii) 24 ft. (7.30 metre) long   | ditto                 | 143.10  | 2293.60   | ditto                | 281.70  | 4514.95   |           |         |
|         | iii) 30 ft. (9.15 metre) long  | ditto                 | 153.20  | 2304.05   | ditto                | 301.60  | 4535.55   |           |         |
|         | iv) 36 ft. (11 metre) long   | ditto                 | 184.45  | 2335.10   | ditto                | 363.05  | 4596.70   |           |         |
|         | c) 12" (300 mm) i/d shaft  |                       |         |           |                      |         |           |           |         |
|         | i) 18 ft. (5.5 metre) long   | Per Cwt               | 117.50  | 2269.55   | %kg                  | 231.35  | 4467.60   |           |         |
|         | ii) 24 ft. (7.30 metre) long   | ditto                 | 151.10  | 2300.30   | ditto                | 297.45  | 4528.10   |           |         |
|         | iii) 30 ft. (9.15 metre) long  | ditto                 | 176.30  | 2324.80   | ditto                | 347.00  | 4576.35   |           |         |
| 20      | Silt clearing 10' (3.00 m) dia wells, and removal of slush outside the compound:   |                       |         |           |                      |         |           |           |         |
|         | a) upto 10' (3.00 m) depth of slush  | Per well              | 4266.90 | -         | Per well             | 4266.90 | -         |           |         |
|         | b) beyond 10' (3.00 m) depth of slush  | Per well              | 8401.80 | -         | Per well             | 8401.80 | -         |           |         |

## 22. SINKING OF WELLS

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 Well curbs to be laid at spring level or as deep as possible.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|--|-----------------------|----------|-----------|----------------------|---------|-----------|-----------|---------|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour  | Composite |           |         |
| 1       | Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) |                       |          |           |                      |         |           |           |         |
|         | a) in ordinary soil or sand :-   | 1000 Cft.             |          |           | cu.m                 |         |           |           |         |
|         | i) from 0' to 5' (0 to 1.5 m) depth  | ditto                 | 2706.90  | -         | ditto                | 95.60   | -         |           |         |
|         | ii) from 5.1' to 10' (1.5 to 3.0 metre) depth  | ditto                 | 2827.10  | -         | ditto                | 99.85   | -         |           |         |
|         | iii) from 10.1' to 15' (3.0 to 4.5 metre) depth  | ditto                 | 3180.50  | -         | ditto                | 112.35  | -         |           |         |
|         | iv) from 15.1' to 20' (4.5 metre to 6.0 metre) depth   | ditto                 | 3650.50  | -         | ditto                | 128.95  | -         |           |         |
|         | b) in hard soil  |                       |          |           |                      |         |           |           |         |
|         | i) from 0' to 5'(0 to 1.5 metre) depth   | 1000 Cft.             | 3297.10  | -         | cu.m                 | 116.45  | -         |           |         |
|         | ii) from 5.1' to 10'(1.5 to 3.0 metre) depth   | ditto                 | 3446.45  | -         | ditto                | 121.75  | -         |           |         |
|         | iii) from 10.1' to 15'(3.0 to 4.5 metre) depth   | ditto                 | 3767.05  | -         | ditto                | 133.05  | -         |           |         |
|         | iv) from 15.1' to 20'(4.5 to 6.0 metre) depth  | ditto                 | 4237.05  | -         | ditto                | 149.65  | -         |           |         |
|         | c) in hard strata, such as shingle, gravel, etc.   |                       |          |           |                      |         |           |           |         |
|         | i) from 0' to 5'(0 to 1.5 metre) depth   | 1000 Cft.             | 7111.55  | -         | cu.m                 | 251.20  | -         |           |         |
|         | ii) from 5.1' to 10'(1.5 to 3.0 metre) depth   | ditto                 | 7366.55  | -         | ditto                | 260.20  | -         |           |         |
|         | iii) from 10.1' to 15'(3.0 to 4.5 metre) depth   | ditto                 | 7679.85  | -         | ditto                | 271.25  | -         |           |         |
|         | iv) from 15.1' to 20'(4.5 to 6.0 metre ) depth   | ditto                 | 8244.55  | -         | ditto                | 291.20  | -         |           |         |
| 2       | Dry sinking of well, including loading, and removing excavated material within one chain (30 m):-                |                       |          |           |                      |         |           |           |         |
|         | a) in ordinary soil :-   |                       |          |           |                      |         |           |           |         |
|         | i) from 10' to 15'(3.0 to 4.5 m) depth   | 1000 Cft.             | 14572.80 | -         | cu.m                 | 514.70  |           |           |         |
|         | ii) from 15.1' to 20'(4.5 to 6.0 m) depth  | ditto                 | 18216.00 | -         | ditto                | 643.40  |           |           |         |
|         | iii) from 20.1' to 25'(6.0 to 7.5 m) depth   | ditto                 | 21859.20 | -         | ditto                | 772.05  |           |           |         |
|         | iv) from 25.1' to 30'(7.5 to 9.0 m) depth  | ditto                 | 25502.40 | -         | ditto                | 900.75  |           |           |         |
|         | v) from 30.1' to 35'(9.0 to 10.5 m) depth  | ditto                 | 29145.60 | -         | ditto                | 1029.40 |           |           |         |
|         | vi) from 35.1' to 40'(10.5 to 12.0 m) depth  | ditto                 | 32788.80 | -         | ditto                | 1158.10 |           |           |         |
|         | vii) from 40.1' to 45'(12.0 to 13.5 m) depth   | ditto                 | 36432.00 | -         | ditto                | 1286.80 |           |           |         |
|         | viii) from 45'(13.5 Sm) to any depth   | ditto                 | 40075.20 | -         | ditto                | 1415.45 |           |           |         |
|         | b) in hard soil :-   |                       |          |           |                      |         |           |           |         |
|         | i) from 10' to 15'(3.0 to 4.5 m) depth   | 1000 Cft.             | 20037.60 | -         | cu.m                 | 707.75  | -         |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |           |           | Rate (Metric System) |         |           | Spec. No.       | Remarks   |
|---------|--|-----------------------|-----------|-----------|----------------------|---------|-----------|-----------------|---|
|         |  | Unit                  | Labour    | Composite | Unit                 | Labour  | Composite |                 |   |
|         | ii) from 15.1' to 20'(4.5 to 6.0 m) depth  | ditto                 | 23680.80  | -         | ditto                | 836.40  | -         |                 |   |
|         | iii) from 20.1' to 25'(6.0 to 7.5 m) depth   | ditto                 | 27324.00  | -         | ditto                | 965.10  | -         |                 |   |
|         | iv) from 25.1' to 30'(7.5 to 9.0 m) depth  | ditto                 | 30967.20  | -         | ditto                | 1093.75 | -         |                 |   |
|         | v) from 30.1' to 35'(9.0 to 10.5 m) depth  | ditto                 | 34610.40  | -         | ditto                | 1222.45 | -         |                 |   |
|         | vi) from 35.1' to 40'(10.5 to 12.0 m) depth  | ditto                 | 38253.60  | -         | ditto                | 1351.10 | -         |                 |   |
|         | vii) from 40.1' to 45'(12.0 to 13.5 m) depth   | ditto                 | 41896.80  | -         | ditto                | 1479.80 | -         |                 |   |
|         | viii) from 45'(13.5 m) to any depth  | ditto                 | 45540.00  | -         | ditto                | 1608.45 | -         |                 |   |
|         | c) in hard strata, such as shingle, gravel, etc.   |                       |           |           |                      |         |           |                 |   |
|         | i) from 10' to 15'(3.0 to 4.5 m) depth   | 1000 Cft.             | 27324.00  | -         | cu.m                 | 965.10  | -         |                 |   |
|         | ii) from 15.1' to 20'(4.5 to 6.0 m) depth  | ditto                 | 30967.20  | -         | ditto                | 1093.75 | -         |                 |   |
|         | iii) from 20.1' to 25'(6.0 to 7.5 m) depth   | ditto                 | 34610.40  | -         | ditto                | 1222.45 | -         |                 |   |
|         | iv) from 25.1' to 30'(7.5 to 9.0 m) depth  | ditto                 | 35065.80  | -         | ditto                | 1238.50 | -         |                 |   |
|         | v) from 30.1' to 35'(9.0 to 10.5 m) depth  | ditto                 | 41896.80  | -         | ditto                | 1479.80 | -         |                 |   |
|         | vi) from 35.1' to 40'(10.5 to 12.0 m) depth  | ditto                 | 45540.00  | -         | ditto                | 1608.45 | -         |                 |   |
|         | vii) from 40.1' to 45'(12.0 to 13.5 m) depth   | ditto                 | 49183.20  | -         | ditto                | 1737.15 | -         |                 |   |
|         | viii) from 45'-1" (13.5 m) to any depth  | ditto                 | 52826.40  | -         | ditto                | 1865.85 | -         |                 |   |
| 3       | Wet sinking of well in ordinary soil (value of C upto 5), for depths below spring level, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain (30 m):-     |                       |           |           |                      |         |           | *841-1 to 841-9 | The outer dimensions of the curb shall form basis of payment. |
|         | i) from 0' to 10'(0 to 3.0 m) depth  | 1000 Cft.             | 22983.55  | -         | cu.m                 | 811.80  | -         |                 |   |
|         | ii) above 10' to 20'(3.0 to 6.0 m) depth   | ditto                 | 48840.00  | -         | ditto                | 1725.05 | -         |                 |   |
|         | iii) above 20' to 30'(6.0 to 9.0 m) depth  | ditto                 | 60110.75  | -         | ditto                | 2123.10 | -         |                 |   |
|         | iv) above 30' to 40'(9.0 to 12.0 m) depth  | ditto                 | 78144.00  | -         | ditto                | 2760.05 | -         |                 |   |
|         | v) above 40' to 50'(12.0 to 15.0 m) depth  | ditto                 | 86826.65  | -         | ditto                | 3066.70 | -         |                 |   |
|         | vi) above 50' to 60'(15.0 to 18.0 m) depth   | ditto                 | 97680.00  | -         | ditto                | 3450.05 | -         |                 |   |
|         | vii) above 60' to 70'(18.0 to 21.0 m) depth  | ditto                 | 100184.60 | -         | ditto                | 3538.50 | -         |                 |   |
|         | viii) above 70' to 80'(21.0 to 24.0 m) depth   | ditto                 | 102821.05 | -         | ditto                | 3631.65 | -         |                 |   |
|         | ix) above 80'(24.0 m) to any depth   | ditto                 | 111634.30 | -         | ditto                | 3942.90 | -         |                 |   |
| 4       | Wet sinking of well in cohesive soil (value of C more than 5), for depths below spring level, including charges of machinery shoring, kentledge and removal of excavated spoil within one chain (30 m):- |                       |           |           |                      |         |           | *841-1 to 841-9 | The outer dimensions of the curb shall form basis of payment. |
|         | i) from 0' to 10'(0 to 3.0 m) depth  | 1000 Cft.             | -         | 35377.10  | cu.m                 | -       | 1249.50   |                 |   |
|         | ii) above 10' to 20'(3.0 to 6.0 m) depth   | ditto                 | -         | 44221.35  | ditto                | -       | 1561.90   |                 |   |
|         | iii) above 20' to 30'(6.0 to 9.0 m) depth  | ditto                 | -         | 53065.60  | ditto                | -       | 1874.30   |                 |   |
|         | iv) above 30' to 40'(9.0 to 12.0 m) depth  | ditto                 | -         | 70754.15  | ditto                | -       | 2499.05   |                 |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |          |           | Spec. No.           | Remarks   |
|---------|--|-----------------------|---------|-----------|----------------------|----------|-----------|---------------------|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour   | Composite |                     |   |
|         | v) above 40' to 50'(12.0 to 15.0 m) depth  | ditto                 | -       | 81639.40  | ditto                | -        | 2883.50   |                     |   |
|         | vi) above 50' to 60'(15.0 to 18.0 m) depth   | ditto                 | -       | 88442.70  | ditto                | -        | 3123.80   |                     |   |
|         | vii) above 60' to 70'(18.0 to 21.0 m) depth  | ditto                 | -       | 96482.95  | ditto                | -        | 3407.80   |                     |   |
|         | viii) above 70' to 80'(21.0 to 24.0 m) depth   | ditto                 | -       | 100123.80 | ditto                | -        | 3536.35   |                     |   |
|         | ix) above 80'(24.0 m) to any depth   | ditto                 | -       | 106131.25 | ditto                | -        | 3748.55   |                     |   |
| 5       | Wet sinking of well in shingle, or gravel, etc, for depths below spring level, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain (30 m) :-  |                       |         |           |                      |          |           | *841-1 to 841-9     | The outer dimensions of the curb shall form basis of payment.   |
|         | i) from 0' to 10'(0 to 3.0 m) depth  | 1000 Cft.             | -       | 48241.45  | cu.m                 | -        | 1703.90   |                     |   |
|         | ii) above 10' to 20'(3.0 to 6.0 m) depth   | ditto                 | -       | 58961.80  | ditto                | -        | 2082.55   |                     |   |
|         | iii) above 20' to 30'(6.0 to 9.0 m) depth  | ditto                 | -       | 70754.15  | ditto                | -        | 2499.05   |                     |   |
|         | iv) above 30' to 40'(9.0 to 12.0 m) depth  | ditto                 | -       | 96482.95  | ditto                | -        | 3407.80   |                     |   |
|         | v) above 40' to 50'(12.0 to 15.0 m) depth  | ditto                 | -       | 106131.25 | ditto                | -        | 3748.55   |                     |   |
|         | vi) above 50' to 60'(15.0 to 18.0 m) depth   | ditto                 | -       | 117923.60 | ditto                | -        | 4165.05   |                     |   |
|         | vii) above 60' to 70'(18.0 to 21.0 m) depth  | ditto                 | -       | 123408.40 | ditto                | -        | 4358.80   |                     |   |
|         | viii) above 70' to 80'(21.0 to 24.0 m) depth   | ditto                 | -       | 126346.70 | ditto                | -        | 4462.55   |                     |   |
|         | ix) above 80'(24.0 m) to any depth   | ditto                 | -       | 139646.35 | ditto                | -        | 4932.30   |                     |   |
| 6       | Making and fixing in position, kiker wood well curb.   | Per Cft.              | 664.20  | 2063.90   | cu.m                 | 23459.35 | 72896.80  |                     |   |
| 7       | Laying well curb in position only.   | Each                  | 234.95  | -         | Each                 | 234.95   | -         |                     |   |
| 8       | Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate :- |                       |         |           |                      |          |           | *841-1 to 841-9     | 1) If concrete mixer is supplied by Government, all charges including depreciation will be recovered from the contractor.<br>2) The rate does not include cost of steel reinforcement and its labour for bending, which is payable, separately. |
|         | a) Ratio 1:1½:3  | Per Cft.              | 143.55  | 330.00    | cu.m                 | 5070.20  | 11655.95  |                     |   |
|         | b) ratio 1:2:4   | ditto                 | 143.55  | 306.60    | ditto                | 5070.20  | 10829.95  |                     |   |
| 9       | Providing and fixing structural steel for cutting edge.  | 100Kg                 | 521.40  | 10889.80  | 100Kg                | 521.40   | 10889.80  | 841-1 to 841-9      |   |
| 10      | Making and removing false masonry on well.   | 100Cft.               | 4518.15 | 15042.35  | cu.m                 | 1595.80  | 5312.95   | 21.1 to 21.5 & 18.1 | The rate includes dismantling of false masonry, scraping bricks obtained from dismantling and credit of byproducts.   |

\* Specification No. correspond to Book of "Standard Specification for Road and Bridge Construction, 1971".

## 23. TUBEWELL AND WATER SUPPLY

- 1 Specification No. correspond to Book of "Specification for B&R Department, 1966, Vol. II (Public Health Works)".  
 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.

### MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
| 1       | Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-                                   |                       |        |           |                      |        |           | Chap. 2   |         |
|         | a) 3" (75 mm) i/d   | Per Rft.              |        | 39.00     | Per Metre            |        | 128.00    |           |         |
|         | b) 4" (100 mm) i/d  | of bore               |        | 53.75     | of bore              |        | 176.35    |           |         |
|         | c) 5" (125 mm) i/d  | ditto                 |        | 96.45     | ditto                |        | 316.35    |           |         |
|         | d) 6" (150 mm) i/d  | ditto                 |        | 147.45    | ditto                |        | 483.65    |           |         |
|         | e) 8" (200 mm) i/d  | ditto                 |        | 190.35    | ditto                |        | 624.35    |           |         |
|         | f) 10" (250 mm) i/d   | ditto                 |        | 241.40    | ditto                |        | 791.85    |           |         |
|         | g) 12" (300 mm) i/d   | ditto                 |        | 262.70    | ditto                |        | 861.65    |           |         |
|         | h) 15" (375 mm) i/d   | ditto                 |        | 389.90    | ditto                |        | 1278.95   |           |         |
|         | i) 18" (450 mm) i/d   | ditto                 |        | 414.05    | ditto                |        | 1358.05   |           |         |
| 2       | Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-  |                       |        |           |                      |        |           | ditto     |         |
|         | a) 5" (125 mm) i/d  | Per Rft.              |        | 163.00    | Per Metre            |        | 534.55    |           |         |
|         | b) 6" (150 mm) i/d  | of bore               |        | 229.95    | of bore              |        | 754.20    |           |         |
|         | c) 8" (200 mm) i/d  | ditto                 |        | 257.30    | ditto                |        | 844.00    |           |         |
|         | d) 10" (250 mm) i/d   | ditto                 |        | 295.25    | ditto                |        | 968.45    |           |         |
|         | e) 12" (300 mm) i/d   | ditto                 |        | 324.35    | ditto                |        | 1063.80   |           |         |
|         | f) 15" (375 mm) i/d   | ditto                 |        | 457.05    | ditto                |        | 1499.15   |           |         |
|         | g) 18" (450 mm) i/d   | ditto                 |        | 481.15    | ditto                |        | 1578.25   |           |         |
| 3       | Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200.1 ft. to 300 ft. (60 to 90 m) below ground level, including sinking and withdrawing of casing pipe, complete:-  |                       |        |           |                      |        |           | ditto     |         |
|         | a) 5" (125 mm) i/d  | Per Rft.              |        | 227.55    | Per Metre            |        | 746.30    |           |         |
|         | b) 6" (150 mm) i/d  | of bore               |        | 293.90    | of bore              |        | 963.95    |           |         |
|         | c) 8" (200 mm) i/d  | ditto                 |        | 323.70    | ditto                |        | 1061.65   |           |         |
|         | d) 10" (250 mm) i/d   | ditto                 |        | 366.15    | ditto                |        | 1201.05   |           |         |
|         | e) 12" (300 mm) i/d   | ditto                 |        | 388.65    | ditto                |        | 1274.80   |           |         |
|         | f) 15" (375 mm) i/d   | ditto                 |        | 501.85    | ditto                |        | 1646.15   |           |         |
|         | g) 18" (450 mm) i/d   | ditto                 |        | 527.20    | ditto                |        | 1729.20   |           |         |
| 4       | Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 300.1 ft. to 400 ft. (90 to 120 m) below ground level, including sinking and withdrawing of casing pipe, complete:- |                       |        |           |                      |        |           | Chap. 2   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System)  |        |           | Spec. No. | Remarks  |
|---------|--|-----------------------|--------|-----------|-----------------------|--------|-----------|-----------|--|
|         |  | Unit                  | Labour | Composite | Unit                  | Labour | Composite |           |  |
|         | a) 8" (200 mm) i/d   | Rft of bore           |        | 390.65    | Per Metre             |        | 1281.30   |           |  |
|         | b) 10" (250 mm) i/d  | ditto                 |        | 437.70    | of bore               |        | 1435.60   |           |  |
|         | c) 12" (300 mm) i/d  | ditto                 |        | 461.95    | ditto                 |        | 1515.25   |           |  |
|         | d) 15" (375 mm) i/d  | ditto                 |        | 613.05    | ditto                 |        | 2010.80   |           |  |
|         | e) 18" (450 mm) i/d  | ditto                 |        | 616.65    | ditto                 |        | 2022.60   |           |  |
| 5       | Direct Rotary/Reverse Rotary drilling of bore for tubewells, in all types of soil except shingle, gravel and rock:-  |                       |        |           |                       |        |           | ditto     |  |
|         | a) from ground level to 250 ft. (75 m) below ground level:-  |                       |        |           |                       |        |           |           |  |
|         | i) 15" to 18" (375 to 450 mm) i/d  | Per Rft. of bore      |        | 387.85    | Per Metre of bore     |        | 1272.15   |           | Upto 2 cusec discharge   |
|         | ii) 20" to 26" (500 to 650 mm) i/d   | ditto                 |        | 557.80    | ditto                 |        | 1829.55   |           | Above 2 cusec discharge  |
|         | b) exceeding 250 ft. (75 m) depth below ground level:-   |                       |        |           |                       |        |           |           |  |
|         | i) 15" to 18" (375 to 450 mm) i/d  | Rft of bore           |        | 387.85    | Per Metre of bore     |        | 1272.15   |           | Upto 2 cusec discharge   |
|         | ii) 20" to 26" (500 to 650 mm) i/d   | ditto                 |        | 557.80    | ditto                 |        | 1829.55   |           | Above 2 cusec discharge  |
| 6       | Boring for tubewell in shingle, gravel and rock, including sinking and withdrawing of casing pipe:-  |                       |        |           |                       |        |           | ditto     | Location and depth of shingle, gravel or rock is to be determined from the bore log. |
|         | a) from ground level to 200 ft. (60 m) below ground level:-  |                       |        |           |                       |        |           |           |  |
|         | i) 12" to 18" (300 to 450 mm) i/d  | Per Rft. of bore      |        | 874.70    | Per Metre of bore     |        | 2869.05   |           | Upto 2 cusec discharge   |
|         | ii) 20" to 26" (500 to 650 mm) i/d   | ditto                 |        | 1183.00   | ditto                 |        | 3880.30   |           | Above 2 cusec discharge  |
|         | b) exceeding 200 ft. (60 m) depth below ground level:-   |                       |        |           |                       |        |           |           |  |
|         | i) 12" to 18" (300 to 450 mm) i/d  | ditto                 |        | 874.70    | ditto                 |        | 2869.05   |           | Upto 2 cusec discharge   |
|         | ii) 20" to 26" (500 to 650 mm) i/d   | ditto                 |        | 1183.00   | ditto                 |        | 3880.30   |           | Above 2 cusec discharge  |
| 7       | Providing strong substantially built box of deodar wood 4'x2½'x9" (1200x750x225 mm), with compartments, lock and locking arrangement, for preserving samples of strata from bore hole. | Job for complete bore | 560.65 | 9869.05   | Job for complete bore | 560.65 | 9869.05   | ditto     |  |
| 8       | Furnishing sample of water from bore hole.   | Per Set of 2 bottles  | 118.80 | 169.20    | Per Set of 2 bottles  | 118.80 | 169.20    | Chap. 2   |  |
| 9       | Providing and installing, brass strainer in tubewell bore hole, including sockets, special sockets, studs, etc. complete:-   |                       |        |           |                       |        |           | ditto     | Cost/labour of jointing both ends is included in the rate.                           |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |   |
|         | a) 2" i/d, 5/32" (50 mm i/d 4 mm) thick  | Per Rft.              | 19.95  | 691.95    | Per Metre            | 65.45  | 2269.60   |           |   |
|         | b) 3" i/d, 5/32" (75 mm i/d 4 mm) thick  | Per Rft.              | 19.95  | 1017.45   | Per Metre            | 65.45  | 3337.25   |           |   |
|         | c) 4" i/d, 3/16" (100 mm i/d 5 mm) thick   | Per Rft.              | 26.60  | 1276.10   | Per Metre            | 87.25  | 4185.65   |           |   |
|         | d) 5" i/d, 3/16" (125 mm i/d 5 mm) thick   | Per Rft.              | 29.95  | 1499.95   | Per Metre            | 98.25  | 4919.85   |           |   |
|         | e) 6" i/d, 3/16" (150 mm i/d 5 mm) thick   | Per Rft.              | 33.25  | 1608.25   | Per Metre            | 109.10 | 5275.10   |           |   |
|         | f) 7" i/d, 3/16" (175 mm i/d 5 mm) thick   | Per Rft.              | 38.70  | 1918.20   | Per Metre            | 126.95 | 6291.75   |           |   |
|         | g) 8" i/d, 3/16" (200 mm i/d 5 mm) thick   | Per Rft.              | 46.90  | 2430.40   | Per Metre            | 153.80 | 7971.65   |           |   |
|         | h) 9" i/d, 3/16" (225 mm i/d 5 mm) thick   | Per Rft.              | 46.90  | 2482.90   | Per Metre            | 153.80 | 8143.85   |           |   |
|         | i) 10" i/d, 3/16" (250 mm i/d 5 mm) thick  | Per Rft.              | 52.75  | 2551.75   | Per Metre            | 172.95 | 8369.65   |           |   |
|         | j) 10" i/d, 1/4" (250 mm i/d 6 mm) thick   | Per Rft.              | 52.75  | 3234.25   | Per Metre            | 172.95 | 10608.25  |           |   |
|         | k) 12" i/d, 1/4" (300 mm i/d 6 mm) thick   | Per Rft.              | 53.95  | 3676.45   | Per Metre            | 176.90 | 12058.70  |           |   |
|         | l) 15" i/d, 1/4" (375 mm i/d 6 mm) thick   | Per Rft.              | 61.70  | 4576.70   | Per Metre            | 202.45 | 15011.65  |           |   |
|         | m) 18" i/d, 1/4" (450 mm i/d 6 mm) thick   | Per Rft.              | 61.70  | 5154.20   | Per Metre            | 202.45 | 16905.85  |           |   |
|         | n) 20" i/d, 1/4" (500 mm i/d 6 mm) thick   | Per Rft.              | 72.60  | 5690.10   | Per Metre            | 238.20 | 18663.60  |           |   |
|         | o) 22" i/d, 1/4" (550 mm i/d 6 mm) thick   | Per Rft.              | 73.80  | 6531.30   | Per Metre            | 242.15 | 21422.75  |           |   |
| 10      | Providing and installing M.S. Bail plug in tubewell bore hole:   |                       |        |           |                      |        |           |           | In the case of increase or decrease in the length of Bail plug, the rates will be increased or decreased as per rates given in serial No. 14 of this chapter for the respective diameter. |
|         | a) 2" i/d, 1.5 ft. (50 mm i/d 450 mm) long.  | Each                  | 86.20  | 504.40    | Each                 | 86.20  | 504.40    |           |   |
|         | b) 3" i/d, 1.5 ft. (75 mm i/d 450 mm) long.  | Each                  | 86.20  | 679.20    | Each                 | 86.20  | 679.20    |           |   |
|         | c) 4" i/d, 2 ft. (100 mm i/d 600 mm) long.   | Each                  | 143.90 | 1333.35   | Each                 | 143.90 | 1333.35   |           |   |
|         | d) 5" i/d, 2 ft. (125 mm i/d 600 mm) long.   | Each                  | 143.90 | 1690.40   | Each                 | 143.90 | 1690.40   |           |   |
|         | e) 6" i/d, 2 ft. (150 mm i/d 600 mm) long.   | Each                  | 194.10 | 2139.35   | Each                 | 194.10 | 2139.35   |           |   |
|         | f) 7" i/d, 2 ft. (175 mm i/d 600 mm) long.   | Each                  | 194.10 | 2488.35   | Each                 | 194.10 | 2488.35   |           |   |
|         | g) 8" i/d, 2 ft. (200 mm i/d 600 mm) long.   | Each                  | 239.45 | 2751.30   | Each                 | 239.45 | 2751.30   |           |   |
|         | h) 9" i/d, 2 ft. (225 mm i/d 600 mm) long.   | Each                  | 239.45 | 3066.75   | Each                 | 239.45 | 3066.75   |           |   |
|         | i) 10" i/d, 2 ft. (250 mm i/d 600 mm) long.  | Each                  | 239.45 | 3958.95   | Each                 | 239.45 | 3958.95   |           |   |
|         | j) 12" i/d, 2 ft. (300 mm i/d 600 mm) long.  | Each                  | 287.40 | 4754.15   | Each                 | 287.40 | 4754.15   |           |   |
|         | k) 15" i/d, 2 ft. (375 mm i/d 600 mm) long.  | Each                  | 287.40 | 5874.25   | Each                 | 287.40 | 5874.25   |           |   |
|         | l) 18" i/d, 2 ft. (450 mm i/d 600 mm) long.  | Each                  | 345.45 | 6690.45   | Each                 | 345.45 | 6690.45   |           |   |
|         | m) 20" i/d, 2 ft. (500 mm i/d 600 mm) long.  | Each                  | 375.80 | 7413.80   | Each                 | 375.80 | 7413.80   |           |   |
|         | n) 22" i/d, 2 ft. (550 mm i/d 600 mm) long.  | Each                  | 375.80 | 8162.55   | Each                 | 375.80 | 8162.55   |           |   |
| 11      | Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- |                       |        |           |                      |        |           | Chap. 2   |   |
|         | a) 3" i/d (75 mm)  | Per Rft.              | 14.65  | 108.25    | Per Metre            | 48.05  | 355.05    |           |   |
|         | b) 4" i/d (100 mm)   | Per Rft.              | 16.60  | 159.40    | Per Metre            | 54.45  | 522.85    |           |   |
|         | c) 5" i/d (125 mm)   | Per Rft.              | 17.55  | 220.35    | Per Metre            | 57.50  | 722.70    |           |   |
|         | d) 6" i/d (150 mm)   | Per Rft.              | 20.40  | 290.40    | Per Metre            | 66.95  | 952.55    |           |   |
|         | e) 8" i/d (200 mm)   | Per Rft.              | 28.05  | 700.05    | Per Metre            | 92.00  | 2296.15   |           |   |
|         | f) 10" i/d (250 mm)  | Per Rft.              | 28.65  | 1048.65   | Per Metre            | 94.00  | 3439.60   |           |   |
|         | g) 12" i/d (300 mm)  | Per Rft.              | 28.65  | 1396.65   | Per Metre            | 94.00  | 4581.05   |           |   |
| 12      | Providing and installing P.V.C. strainer B.S.S. Class 'D', in tubewell bore hole, including sockets and solvent, etc.              |                       |        |           |                      |        |           |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | complete:-   |                       |        |           |                      |        |           |           |         |
|         | a) 1¼" i/d (30 mm)   | Per Rft.              | 10.30  | 46.30     | Per Metre            | 33.70  | 151.8     |           |         |
|         | b) 1½" i/d (40 mm)   | Per Rft.              | 10.50  | 52.50     | Per Metre            | 34.45  | 172.2     |           |         |
|         | c) 2" i/d (50 mm)  | Per Rft.              | 10.60  | 81.40     | Per Metre            | 34.75  | 266.95    |           |         |
|         | d) 3" i/d (75 mm)  | Per Rft.              | 14.65  | 168.25    | Per Metre            | 48.05  | 551.9     |           |         |
|         | e) 4" i/d (100 mm)   | Per Rft.              | 16.55  | 264.95    | Per Metre            | 54.30  | 869.05    |           |         |
|         | f) 5" i/d (125 mm)   | Per Rft.              | 17.55  | 389.55    | Per Metre            | 57.50  | 1277.65   |           |         |
|         | g) 6" i/d (150 mm)   | Per Rft.              | 31.30  | 559.30    | Per Metre            | 102.65 | 1834.45   |           |         |
| 13      | Providing and installing P.V.C. Bail/End plug, in tubewell bore hole:-   |                       |        |           |                      |        |           |           |         |
|         | i) B.S.S. Class `B`  |                       |        |           |                      |        |           |           |         |
|         | a) 3" i/d (75 mm)  | Each                  | 7.45   | 59.05     | Each                 | 7.45   | 59.05     |           |         |
|         | b) 4" i/d (100 mm)   | Each                  | 8.30   | 77.90     | Each                 | 8.30   | 77.90     |           |         |
|         | c) 5" i/d (125 mm)   | Each                  | 9.00   | 117.00    | Each                 | 9.00   | 117.00    |           |         |
|         | d) 6" i/d (150 mm)   | Each                  | 11.90  | 171.50    | Each                 | 11.90  | 171.50    |           |         |
|         | e) 8" i/d (200 mm)   | Each                  | 13.95  | 337.95    | Each                 | 13.95  | 337.95    |           |         |
|         | f) 10" i/d (250 mm)  | Each                  | 14.70  | 470.70    | Each                 | 14.70  | 470.70    |           |         |
|         | g) 12" i/d (300 mm)  | Each                  | 17.35  | 635.35    | Each                 | 17.35  | 635.35    |           |         |
|         | h) 14" i/d (350 mm)  | Each                  | 17.35  | 659.35    | Each                 | 17.35  | 659.35    |           |         |
|         | ii) B.S.S. Class `D`   |                       |        |           |                      |        |           |           |         |
|         | a) 1¼" i/d (30 mm)   | Each                  | 5.25   | 31.65     | Each                 | 5.25   | 31.65     |           |         |
|         | b) 1½" i/d (40 mm)   | Each                  | 5.50   | 45.10     | Each                 | 5.50   | 45.10     |           |         |
|         | c) 2" i/d (50 mm)  | Each                  | 5.70   | 64.50     | Each                 | 5.70   | 64.50     |           |         |
|         | d) 3" i/d (75 mm)  | Each                  | 7.45   | 85.45     | Each                 | 7.45   | 85.45     |           |         |
|         | e) 4" i/d (100 mm)   | Each                  | 8.30   | 111.50    | Each                 | 8.30   | 111.50    |           |         |
|         | f) 5" i/d (125 mm)   | Each                  | 9.00   | 157.80    | Each                 | 9.00   | 157.80    |           |         |
|         | g) 6" i/d (150 mm)   | Each                  | 11.9   | 206.3     | Each                 | 11.9   | 206.3     |           |         |
| 14      | Providing and installing M.S. blind pipe socketed/welded joint, M.S. reducer (where necessary), in tubewell bore hole, including jointing/welding with strainer, etc. complete:- |                       |        |           |                      |        |           | Chap. 2   |         |
|         | a) 2" i/d, 1/8" (50 mm i/d 3 mm) thick   | Per Rft.              | 51.65  | 232.55    | Per Metre            | 169.40 | 762.80    |           |         |
|         | b) 3" i/d, 1/8" (75 mm i/d 3 mm) thick   | Per Rft.              | 51.65  | 311.45    | Per Metre            | 169.40 | 1021.55   |           |         |
|         | c) 4" i/d, 1/8" (100 mm i/d 3 mm) thick  | Per Rft.              | 64.60  | 409.95    | Per Metre            | 211.90 | 1344.65   |           |         |
|         | d) 5" i/d, 3/16" (125 mm i/d 5 mm) thick   | Per Rft.              | 64.60  | 752.80    | Per Metre            | 211.90 | 2469.25   |           |         |
|         | e) 6" i/d, 3/16" (150 mm i/d 5 mm) thick   | Per Rft.              | 92.15  | 905.75    | Per Metre            | 302.25 | 2970.85   |           |         |
|         | f) 7" i/d, 3/16" (175 mm i/d 5 mm) thick   | Per Rft.              | 92.15  | 1041.35   | Per Metre            | 302.25 | 3415.65   |           |         |
|         | g) 8" i/d, 3/16" (200 mm i/d 5 mm) thick   | Per Rft.              | 107.55 | 1284.95   | Per Metre            | 352.75 | 4214.70   |           |         |
|         | h) 9" i/d, 3/16" (225 mm i/d 5 mm) thick   | Per Rft.              | 107.55 | 1458.75   | Per Metre            | 352.75 | 4784.70   |           |         |
|         | i) 10" i/d, ¼" (250 mm i/d 6 mm) thick   | Per Rft.              | 107.55 | 1879.95   | Per Metre            | 352.75 | 6166.25   |           |         |
|         | j) 12" i/d, ¼" (300 mm i/d 6 mm) thick   | Per Rft.              | 129.10 | 2214.10   | Per Metre            | 423.45 | 7262.25   |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |   |
|         | k) 15" i/d, 1/4" (375 mm i/d 6 mm) thick   | Per Rft.              | 129.10 | 2735.35   | Per Metre            | 423.45 | 8971.95   | ditto     |   |
|         | l) 18" i/d, 1/4" (450 mm i/d 6 mm) thick   | Per Rft.              | 158.10 | 3398.45   | Per Metre            | 518.55 | 11146.90  |           |   |
|         | m) 20" i/d, 1/4" (500 mm i/d 6 mm) thick   | Per Rft.              | 170.40 | 3770.80   | Per Metre            | 558.90 | 12368.15  |           |   |
|         | n) 22" i/d, 1/4" (550 mm i/d 6 mm) thick   | Per Rft.              | 170.40 | 4130.80   | Per Metre            | 558.90 | 13549.10  |           |   |
| 15      | Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.   |                       |        |           |                      |        |           |           |   |
|         | a) 3" i/d (75 mm)  | Per Rft.              | 18.70  | 117.10    | Per Metre            | 61.30  | 384.05    | ditto     |   |
|         | b) 4" i/d (100 mm)   | Per Rft.              | 21.10  | 171.10    | Per Metre            | 69.15  | 561.15    |           |   |
|         | c) 5" i/d (125 mm)   | Per Rft.              | 22.00  | 228.40    | Per Metre            | 72.20  | 749.20    |           |   |
|         | d) 6" i/d (150 mm)   | Per Rft.              | 26.45  | 318.05    | Per Metre            | 85.20  | 1041.65   |           |   |
|         | e) 8" i/d (200 mm)   | Per Rft.              | 35.25  | 484.05    | Per Metre            | 115.60 | 1587.70   |           |   |
|         | f) 10" i/d (250 mm)  | Per Rft.              | 36.70  | 751.90    | Per Metre            | 120.40 | 2466.25   |           |   |
|         | g) 12" i/d (300 mm)  | Per Rft.              | 43.65  | 1042.05   | Per Metre            | 143.20 | 3417.95   |           |   |
|         | h) 14" i/d (350 mm)  | Per Rft.              | 40.65  | 1240.65   | Per Metre            | 133.35 | 4069.35   |           |   |
| 16      | Providing and installing P.V.C. blind pipe, B.S.S. Class 'D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.   |                       |        |           |                      |        |           |           |   |
|         | a) 1 1/4" i/d (30 mm)  | Per Rft.              | 12.15  | 47.65     | Per Metre            | 39.85  | 156.35    | ditto     |   |
|         | b) 1 1/2" i/d (40 mm)  | Per Rft.              | 12.35  | 58.45     | Per Metre            | 40.50  | 191.65    |           |   |
|         | c) 2" i/d (50 mm)  | Per Rft.              | 13.10  | 84.15     | Per Metre            | 42.90  | 275.95    |           |   |
|         | d) 3" i/d (75 mm)  | Per Rft.              | 16.40  | 170.00    | Per Metre            | 53.75  | 557.55    |           |   |
|         | e) 4" i/d (100 mm)   | Per Rft.              | 21.10  | 279.10    | Per Metre            | 69.15  | 915.55    |           |   |
|         | f) 5" i/d (125 mm)   | Per Rft.              | 22.00  | 404.95    | Per Metre            | 72.20  | 1328.25   |           |   |
|         | g) 6" i/d (150 mm)   | Per Rft.              | 27.20  | 584.35    | Per Metre            | 89.15  | 1916.70   |           |   |
| 17      | Testing and developing of tubewell of size 6" (150 mm) i/d and above continuously.   |                       |        |           |                      |        |           |           |   |
|         | i) upto 1.5 cs. discharge  | Per Hour              |        | 1022.50   | Per Hour             |        | 1022.50   | ditto     |   |
|         | ii) above 1.5 cs. discharge  | ditto                 |        | 1230.00   | ditto                |        | 1230.00   |           |   |
| 18      | Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3 mm), around tubewell in bore hole.  | Per Cft.              | 19.80  | 73.95     | cu.m                 | 699.35 | 2611.90   |           | The rate includes wastage, etc.   |
| 19      | Laying cutting, jointing, testing and disinfecting cast iron pipe line in trenches, with spigot and socket caulked lead joints, including cost of materials, such as lead, yarn, etc. complete in all respects:- |                       |        |           |                      |        |           | Chap. 2   | 1) Pipes to be supplied by Government.<br>2) Providing and installing specials and valves is not included in the rate, which is payable separately. |
|         | a) 3" (75 mm) i/d  | Per Rft.              |        | 41.15     | Per Metre            |        | 135.05    |           |   |
|         | b) 4" (100 mm) i/d   | Per Rft.              |        | 51.15     | Per Metre            |        | 167.80    |           |   |
|         | c) 5" (125 mm) i/d   | Per Rft.              |        | 64.00     | Per Metre            |        | 209.95    |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |   |
|         | d) 6" (150 mm) i/d   | Per Rft.              |        | 75.90     | Per Metre            |        | 248.95    |           |   |
|         | e) 8" (200 mm) i/d   | Per Rft.              |        | 92.75     | Per Metre            |        | 304.15    |           |   |
|         | f) 10" (250 mm) i/d  | Per Rft.              |        | 138.75    | Per Metre            |        | 455.05    |           |   |
|         | g) 12" (300 mm) i/d  | Per Rft.              |        | 162.70    | Per Metre            |        | 533.60    |           |   |
|         | h) 15" (375 mm) i/d  | Per Rft.              |        | 210.50    | Per Metre            |        | 690.45    |           |   |
|         | i) 18" (450 mm) i/d  | Per Rft.              |        | 278.65    | Per Metre            |        | 913.95    |           |   |
| 20      | Laying, cutting, jointing, testing and disinfecting cast iron pipe line in trenches, with flanged and flanged joints, complete in all respects:-   |                       |        |           |                      |        |           | ditto     | 1) Pipes to be supplied by Government.<br>2) Providing and installing specials and valves is not included in the rate, which is payable separately. |
|         | a) 3" (75 mm) i/d  | Per Rft.              |        | 18.65     | Per Metre            |        | 61.15     |           |   |
|         | b) 4" (100 mm) i/d   | Per Rft.              |        | 20.70     | Per Metre            |        | 67.95     |           |   |
|         | c) 5" (125 mm) i/d   | Per Rft.              |        | 30.65     | Per Metre            |        | 100.50    |           |   |
|         | d) 6" (150 mm) i/d   | Per Rft.              |        | 33.65     | Per Metre            |        | 110.45    |           |   |
|         | e) 8" (200 mm) i/d   | Per Rft.              |        | 39.55     | Per Metre            |        | 129.75    |           |   |
|         | f) 10" (250 mm) i/d  | Per Rft.              |        | 55.50     | Per Metre            |        | 182.05    |           |   |
|         | g) 12" (300 mm) i/d  | Per Rft.              |        | 64.90     | Per Metre            |        | 212.95    |           |   |
|         | h) 15" (375 mm) i/d  | Per Rft.              |        | 89.05     | Per Metre            |        | 292.00    |           |   |
|         | i) 18" (450 mm) i/d  | Per Rft.              |        | 111.85    | Per Metre            |        | 366.85    |           |   |
| 21      | Laying, cutting, jointing, testing and disinfecting cast iron pipe line in trenches with Tyton joints, complete in all respects:-  |                       |        |           |                      |        |           | Chap. 2   | 1) Pipes to be supplied by Government.<br>2) Providing and installing specials and valves is not included in the rate, which is payable separately. |
|         | a) 3" (75 mm) i/d  | Per Rft.              |        | 9.20      | Per Metre            |        | 30.15     |           |   |
|         | b) 4" (100 mm) i/d   | Per Rft.              |        | 10.65     | Per Metre            |        | 34.90     |           |   |
|         | c) 5" (125 mm) i/d   | Per Rft.              |        | 13.60     | Per Metre            |        | 44.55     |           |   |
|         | d) 6" (150 mm) i/d   | Per Rft.              |        | 15.30     | Per Metre            |        | 50.15     |           |   |
|         | e) 8" (200 mm) i/d   | Per Rft.              |        | 20.85     | Per Metre            |        | 68.35     |           |   |
|         | f) 10" (250 mm) i/d  | Per Rft.              |        | 26.25     | Per Metre            |        | 86.05     |           |   |
|         | g) 12" (300 mm) i/d  | Per Rft.              |        | 31.25     | Per Metre            |        | 102.55    |           |   |
|         | h) 15" (375 mm) i/d  | Per Rft.              |        | 46.40     | Per Metre            |        | 152.25    |           |   |
|         | i) 18" (450 mm) i/d  | Per Rft.              |        | 55.60     | Per Metre            |        | 182.45    |           |   |
| 22      | Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. |                       |        |           |                      |        |           | Chap. 2   | Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, etc. is included in the rates.   |
|         | <b>i) Light Quality</b>  |                       |        |           |                      |        |           |           |   |
|         | a) ½" i/d (15 mm) 2mm thick  | Per Rft.              | 8.00   | 54.10     | Per Metre            | 26.25  | 177.45    |           |   |
|         | b) ¾" i/d (20 mm) 2.35mm thick   | Per Rft.              | 8.65   | 75.10     | Per Metre            | 28.30  | 246.25    |           |   |
|         | c) 1" i/d (25 mm) 2.65mm thick   | Per Rft.              | 9.65   | 103.20    | Per Metre            | 31.70  | 338.55    |           |   |
|         | d) 1¼" i/d (32 mm) 2.65mm thick  | Per Rft.              | 9.75   | 131.80    | Per Metre            | 32.00  | 432.30    |           |   |
|         | e) 1½" i/d (40 mm) 2.9mm thick   | Per Rft.              | 9.85   | 167.15    | Per Metre            | 32.40  | 548.30    |           |   |
|         | f) 2" i/d (50 mm) 2.9mm thick  | Per Rft.              | 11.25  | 207.85    | Per Metre            | 36.85  | 681.80    |           |   |
|         | g) 2½" i/d (65 mm) 3.25mm thick  | Per Rft.              | 11.80  | 281.65    | Per Metre            | 38.75  | 923.85    |           |   |
|         | h) 3" i/d (75 mm) 3.25mm thick   | Per Rft.              | 13.70  | 329.65    | Per Metre            | 45.00  | 1081.30   |           |   |
|         | i) 4" i/d (100 mm) 3.65mm thick  | Per Rft.              | 14.75  | 462.20    | Per Metre            | 48.35  | 1516.10   |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.   | Remarks  |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|---|--|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |   |  |
|         | <b>ii) Medium Quality</b>  |                       |        |           |                      |        |           |   |  |
|         | a) ½" i/d (15 mm) 2.65mm thick   | Per Rft.              | 8.00   | 63.60     | Per Metre            | 26.25  | 208.60    | i. Cost of sockets, tees, elbow, bends, valves, crosses, unions and plugs etc is included in the rates except for internal G.I piping (1" dia, ¾" dia & ½" dia) for Bath rooms/ Levorotary.<br><br>ii. For internal G.I piping (1" dia, ¾" dia & ½" dia) Bath room(s)/ Levorotary of rate (composite) shall be reduced by 8% and specials mentioned above may be paid at the rates placed on Website as per actual quantity used. |  |
|         | b) ¾" i/d (20 mm) 2.65mm thick   | Per Rft.              | 8.65   | 80.50     | Per Metre            | 28.30  | 264.05    |   |  |
|         | c) 1" i/d (25 mm) 3.25mm thick   | Per Rft.              | 9.65   | 118.15    | Per Metre            | 31.70  | 387.50    |   |  |
|         | d) 1¼" i/d (32 mm) 3.25mm thick  | Per Rft.              | 9.75   | 150.80    | Per Metre            | 32.00  | 494.55    |   |  |
|         | e) 1½" i/d (40 mm) 3.25mm thick  | Per Rft.              | 10.05  | 172.80    | Per Metre            | 33.05  | 566.75    |   |  |
|         | f) 2" i/d (50 mm) 3.65mm thick   | Per Rft.              | 11.25  | 237.70    | Per Metre            | 36.85  | 779.65    |   |  |
|         | g) 2½" i/d (65 mm) 3.65mm thick  | Per Rft.              | 11.80  | 303.35    | Per Metre            | 38.75  | 995.00    |   |  |
|         | h) 3" i/d (75 mm) 4.05mm thick   | Per Rft.              | 13.70  | 381.20    | Per Metre            | 45.00  | 1250.30   |   |  |
|         | i) 4" i/d (100 mm) 4.5mm thick   | Per Rft.              | 14.75  | 543.60    | Per Metre            | 48.35  | 1782.95   |   |  |
|         | j) 5" i/d (150 mm) 4.85mm thick  | Per Rft.              | 17.05  | 745.25    | Per Metre            | 56.00  | 2444.40   |   |  |
|         | k) 6" i/d (200 mm) 4.85mm thick  | Per Rft.              | 17.40  | 867.60    | Per Metre            | 57.00  | 2845.70   |   |  |
|         | <b>iii) Heavy Quality</b>  |                       |        |           |                      |        |           |   |  |
|         | a) ½" i/d (15 mm) 3.25mm thick   | Per Rft.              | 8.00   | 89.35     | Per Metre            | 26.25  | 293.1     | PS 428 & ISO 160  |  |
|         | b) ¾" i/d (20 mm) 3.25mm thick   | Per Rft.              | 8.65   | 117.10    | Per Metre            | 28.30  | 384.1     |   |  |
|         | c) 1" i/d (25 mm) 4.05mm thick   | Per Rft.              | 9.65   | 172.40    | Per Metre            | 31.70  | 565.4     |   |  |
|         | d) 1¼" i/d (32 mm) 4.05mm thick  | Per Rft.              | 9.75   | 221.30    | Per Metre            | 32.00  | 725.85    |   |  |
|         | e) 1½" i/d (40 mm) 4.05mm thick  | Per Rft.              | 10.05  | 251.45    | Per Metre            | 33.05  | 824.75    |   |  |
|         | f) 2" i/d (50 mm) 4.5mm thick  | Per Rft.              | 11.25  | 344.80    | Per Metre            | 36.85  | 1131      |   |  |
|         | g) 2½" i/d (65 mm) 4.5mm thick   | Per Rft.              | 11.80  | 430.85    | Per Metre            | 38.75  | 1413.1    |   |  |
|         | h) 3" i/d (75 mm) 4.85mm thick   | Per Rft.              | 13.70  | 554.75    | Per Metre            | 45.00  | 1819.6    |   |  |
|         | i) 4" i/d (100 mm) 5.4mm thick   | Per Rft.              | 14.75  | 753.75    | Per Metre            | 48.35  | 2472.35   |   |  |
|         | j) 5" i/d (125 mm) 5.4mm thick   | Per Rft.              | 17.05  | 932.35    | Per Metre            | 56.00  | 3058.2    |   |  |
|         | k) 6" i/d (150 mm) 5.4mm thick   | Per Rft.              | 17.40  | 1102.20   | Per Metre            | 57.00  | 3615.15   |   |  |
| 23      | Providing, laying, cutting, jointing, testing and disinfecting Asbestos cement/Fibre Cement pipe line in trenches, with comet joint and rubber ring, complete in all respects:-<br><br><b>B Class Working Pressure</b> |                       |        |           |                      |        |           |   | Providing and installing specials and valves is not included in the rate, which is payable separately. |
|         | a) 3" i/d (75 mm)  | Per Rft.              | 9.40   | 164.70    | Per Metre            | 30.90  | 540.30    |   |  |
|         | b) 4" i/d (100 mm)   | Per Rft.              | 10.00  | 214.55    | Per Metre            | 32.80  | 703.65    |   |  |
|         | c) 6" i/d (150 mm)   | Per Rft.              | 13.70  | 338.20    | Per Metre            | 45.00  | 1109.30   |   |  |
|         | d) 8" i/d (200 mm)   | Per Rft.              | 18.95  | 568.15    | Per Metre            | 62.10  | 1863.55   |   |  |
|         | e) 10" i/d (250 mm)  | Per Rft.              | 24.70  | 773.40    | Per Metre            | 80.95  | 2536.70   |   |  |
|         | f) 12" i/d (300 mm)  | Per Rft.              | 31.45  | 1021.30   | Per Metre            | 103.10 | 3349.80   |   |  |
|         | g) 14" i/d (350 mm)  | Per Rft.              | 36.45  | 1311.65   | Per Metre            | 119.50 | 4302.15   |   |  |
|         | h) 16" i/d (400 mm)  | Per Rft.              | 41.20  | 1664.85   | Per Metre            | 135.05 | 5460.65   |   |  |
|         | i) 18" i/d (450 mm)  | Per Rft.              | 48.60  | 2421.55   | Per Metre            | 159.40 | 7942.70   |   |  |
|         | j) 20" i/d (500 mm)  | Per Rft.              | 57.15  | 2551.90   | Per Metre            | 187.50 | 8370.25   |   |  |
|         | k) 24" i/d (600 mm)  | Per Rft.              | 68.60  | 3518.90   | Per Metre            | 225.00 | 11541.95  |   |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|--|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |  |         |
| 24      | <b>C Class Working Pressure</b>   |                       |        |           |                      |        |           |  |         |
|         | a) 3" i/d (75 mm)   | Per Rft.              | 9.40   | 164.70    | Per Metre            | 30.90  | 540.30    | PS 428 & ISO 160   |         |
|         | b) 4" i/d (100 mm)  | Per Rft.              | 10.00  | 236.00    | Per Metre            | 32.80  | 774.05    |  |         |
|         | c) 6" i/d (150 mm)  | Per Rft.              | 13.70  | 405.10    | Per Metre            | 45.00  | 1328.70   |  |         |
|         | d) 8" i/d (200 mm)  | Per Rft.              | 18.95  | 641.35    | Per Metre            | 62.10  | 2103.70   |  |         |
|         | e) 10" i/d (250 mm)   | Per Rft.              | 24.70  | 894.55    | Per Metre            | 80.95  | 2934.15   |  |         |
|         | f) 12" i/d (300 mm)   | Per Rft.              | 31.45  | 1244.70   | Per Metre            | 103.10 | 4082.60   |  |         |
|         | g) 14" i/d (350 mm)   | Per Rft.              | 36.45  | 1909.90   | Per Metre            | 119.50 | 6264.45   |  |         |
|         | h) 16" i/d (400 mm)   | Per Rft.              | 41.20  | 2438.55   | Per Metre            | 135.05 | 7998.45   |  |         |
|         | i) 18" i/d (450 mm)   | Per Rft.              | 48.60  | 3458.55   | Per Metre            | 159.40 | 11344.05  |  |         |
|         | j) 20" i/d (500 mm)   | Per Rft.              | 57.15  | 3559.10   | Per Metre            | 187.50 | 11673.90  |  |         |
|         | k) 24" i/d (600 mm)   | Per Rft.              | 69.55  | 5010.45   | Per Metre            | 228.10 | 16434.30  |  |         |
| 25      | <b>D Class Working Pressure</b>   |                       |        |           |                      |        |           |  |         |
|         | a) 3" i/d (75 mm)   | Per Rft.              | 9.40   | 164.70    | Per Metre            | 30.90  | 540.30    | PS 428 & ISO 160   |         |
|         | b) 4" i/d (100 mm)  | Per Rft.              | 10.00  | 267.55    | Per Metre            | 32.80  | 877.55    |  |         |
|         | c) 6" i/d (150 mm)  | Per Rft.              | 13.70  | 487.15    | Per Metre            | 45.00  | 1597.80   |  |         |
|         | d) 8" i/d (200 mm)  | Per Rft.              | 18.95  | 858.45    | Per Metre            | 62.10  | 2815.75   |  |         |
|         | e) 10" i/d (250 mm)   | Per Rft.              | 24.70  | 1266.90   | Per Metre            | 80.95  | 4155.40   |  |         |
|         | f) 12" i/d (300 mm)   | Per Rft.              | 31.45  | 1848.00   | Per Metre            | 103.10 | 6061.45   |  |         |
|         | g) 14" i/d (350 mm)   | Per Rft.              | 36.45  | 2750.50   | Per Metre            | 119.50 | 9021.65   |  |         |
|         | h) 16" i/d (400 mm)   | Per Rft.              | 41.20  | 3551.80   | Per Metre            | 135.05 | 11649.85  |  |         |
|         | i) 18" i/d (450 mm)   | Per Rft.              | 48.60  | 4266.05   | Per Metre            | 159.40 | 13992.65  |  |         |
|         | j) 20" i/d (500 mm)   | Per Rft.              | 57.15  | 5217.60   | Per Metre            | 187.50 | 17113.80  |  |         |
|         | k) 24" i/d (600 mm)   | Per Rft.              |        |           | Per Metre            |        |           |  |         |
| 26      | Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line of B.S.S. with 'B' Class working pressure pipe, in trenches, complete in all respects:-     |                       |        |           |                      |        |           | Chap 2<br><br>Providing and installing specials and valves is not included in the rate, which is payable separately. |         |
|         | a) 3" i/d (75 mm)   | Per Rft.              | 2.90   | 103.25    | Per Metre            | 9.50   | 338.70    |  |         |
|         | b) 4" i/d (100 mm)  | Per Rft.              | 3.65   | 156.65    | Per Metre            | 11.95  | 513.80    |  |         |
|         | c) 5" i/d (125 mm)  | Per Rft.              | 4.50   | 215.00    | Per Metre            | 14.70  | 705.25    |  |         |
|         | d) 6" i/d (150 mm)  | Per Rft.              | 4.80   | 302.25    | Per Metre            | 15.75  | 991.30    |  |         |
|         | e) 8" i/d (200 mm)  | Per Rft.              | 6.80   | 464.55    | Per Metre            | 22.25  | 1523.75   |  |         |
|         | f) 10" i/d (250 mm)   | Per Rft.              | 8.80   | 738.30    | Per Metre            | 28.90  | 2421.65   |  |         |
|         | h) 12" i/d (300 mm)   | Per Rft.              | 10.85  | 1029.25   | Per Metre            | 35.65  | 3375.90   |  |         |
|         | g) 14" i/d (350 mm)   | Per Rft.              | 13.85  | 1237.85   | Per Metre            | 45.45  | 4060.15   |  |         |
| 27      | Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'D' Class working pressure complete in all respects:- |                       |        |           |                      |        |           | ditto<br><br>Providing and installing specials and valves is not included in the rate, which is payable separately.  |         |
|         | a) 2" i/d (50 mm)   | Per Rft.              | 2.35   | 74.80     | Per Metre            | 7.75   | 245.40    |  |         |
|         | b) 3" i/d (75 mm)   | Per Rft.              | 2.85   | 159.50    | Per Metre            | 9.35   | 523.20    |  |         |
|         | c) 4" i/d (100 mm)  | Per Rft.              | 3.60   | 266.80    | Per Metre            | 11.75  | 875.10    |  |         |
|         | d) 5" i/d (125 mm)  | Per Rft.              | 4.40   | 395.00    | Per Metre            | 14.40  | 1295.60   |  |         |
|         | e) 6" i/d (150 mm)  | Per Rft.              | 4.70   | 573.05    | Per Metre            | 15.40  | 1879.55   |  |         |
| 28      | Providing and fixing cast iron special of B.S.S. Class 'B' (such as bend, tee cross collar, reducer, tail piece,  |                       |        |           |                      |        |           | 9.1<br>i) Labour rates include the cost of jointing material & labour.   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks   |   |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---|---|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |   |   |
|         | flanged spigot, cap, flanged socket, taper, angle branch, plug etc.) for cast iron pipe line , complete:-  |                       |         |           |                      |         |           |           |   |   |
|         | a) C.I.S.S. Specials, with spigot. and socket joint:-  |                       |         |           |                      |         |           |           | ii) The internal dia of the pipe, from which the branch is taken out will be considered the internal dia for the purpose of payments of specials. |   |
|         | i) 3" to 6" (75 to 150 mm) i/d   | Per Kg.               | 17.50   | 100.20    | Per Kg               | 17.50   | 100.20    |           |   |   |
|         | ii) 8" to 12" (200 to 300 mm) i/d  | Per Kg.               | 10.05   | 92.70     | Per Kg               | 10.05   | 92.70     |           |   |   |
|         | iii) 15" to 18" (375 to 450 mm) i/d  | Per Kg.               | 7.00    | 89.70     | Per Kg               | 7.00    | 89.70     |           |   |   |
|         | b) C.I. flanged specials, with flanged and flanged joints:-  |                       |         |           |                      |         |           |           |   |   |
|         | i) 3" to 6" (75 to 150 mm) i/d   | Per Kg                | 7.70    | 90.40     | Per Kg               | 7.70    | 90.40     |           |   |   |
|         | ii) 8" to 12" (200 to 300 mm) i/d  | Per Kg                | 2.30    | 84.95     | Per Kg               | 2.30    | 84.95     |           |   |   |
|         | iii) 15" to 18" (375 to 450 mm) i/d  | Per Kg                | 3.40    | 84.95     | Per Kg               | 3.40    | 84.95     |           |   |   |
|         | c) C.I. Specials, with tyton joints:-  |                       |         |           |                      |         |           |           |   |   |
|         | i) 3" to 6" (75 to 150 mm) i/d   | Per Kg                | 9.20    | 91.90     | Per Kg               | 9.20    | 91.90     |           |   |   |
|         | ii) 8" to 12" (200 to 300 mm) i/d  | Per Kg                | 9.20    | 91.90     | Per Kg               | 9.20    | 91.90     |           |   |   |
|         | iii) 15" to 18" (375 to 450 mm) i/d  | Per Kg                | 9.20    | 91.90     | Per Kg               | 9.20    | 91.90     |           |   |   |
| 29      | Providing and fixing cast iron specials of B.S.S. Class 'B' (such as bend, tee, cross collar, reducer, tail piece, flanged socket, flanged spigot, cap, taper, angle branch, plug, etc) for Asbestos cement pipe line, with comet joint and rubber ring, complete. |                       |         |           |                      |         |           | 9.1       |   | 1) Labour rates include the cost of jointing material and labour.<br><br>2) The internal dia of the pipe, from which the branch is taken out, will be considered the internal dia for the purpose of payment. |
|         | i) 3" to 6" (75 to 150 mm) i/d   | Per Kg                | 11.40   | 94.05     | Per Kg               | 11.40   | 94.05     |           |   |   |
|         | ii) 8" to 18" (200 to 450 mm) i/d  | Per Kg                | 5.95    | 88.65     | Per Kg               | 5.95    | 88.65     |           |   |   |
|         | iii) 20" to 24" (500 to 600 mm) i/d  | Per Kg                | 4.80    | 87.45     | Per Kg               | 4.80    | 87.45     |           |   |   |
| 30      | Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):-  |                       |         |           |                      |         |           | 9.1       | Labour rates include cost of jointing material and labour.  |   |
|         | a) 3" i/d (75 mm)  | Each                  | 513.90  | 5973.90   | Each                 | 513.90  | 5973.90   |           |   |   |
|         | b) 4" i/d (100 mm)   | Each                  | 559.20  | 7039.20   | Each                 | 559.20  | 7039.20   |           |   |   |
|         | c) 5" i/d (125 mm)   | Each                  | 1006.60 | 8566.60   | Each                 | 1006.60 | 8566.60   |           |   |   |
|         | d) 6" i/d (150 mm)   | Each                  | 1073.10 | 11633.10  | Each                 | 1073.10 | 11633.10  |           |   |   |
|         | e) 8" i/d (200 mm)   | Each                  | 1252.95 | 20572.95  | Each                 | 1252.95 | 20572.95  |           |   |   |
|         | f) 10" i/d (250 mm)  | Each                  | 2153.35 | 26393.35  | Each                 | 2153.35 | 26393.35  |           |   |   |
|         | g) 12" i/d (300 mm)  | Each                  | 2419.80 | 34219.80  | Each                 | 2419.80 | 34219.80  |           |   |   |
|         | h) 16" i/d (400 mm)  | Each                  | 3209.40 | 62609.40  | Each                 | 3209.40 | 62609.40  |           |   |   |
|         | i) 18" i/d (450 mm)  | Each                  | 3693.85 | 109893.85 | Each                 | 3693.85 | 109893.85 |           |   |   |
| 31      | Providing and fixing, sluice valve of B.S.S. quality and weight, for Asbestos cement pipe line, with comet joint and rubber ring, complete (including cost of jointing materials):-  |                       |         |           |                      |         |           | 9.1       | Labour rates include cost of jointing material and labour.  |   |
|         | a) 3" i/d (75 mm)  | Each                  | 357.90  | 5037.90   | Each                 | 357.90  | 5037.90   |           |   |   |
|         | b) 4" i/d (100 mm)   | Each                  | 442.60  | 5866.60   | Each                 | 442.60  | 5866.60   |           |   |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System)   |         |           | Rate (Metric System)  |         |           | Spec. No. | Remarks   |
|---------|---|-------------------------|---------|-----------|-----------------------|---------|-----------|-----------|---|
|         |   | Unit                    | Labour  | Composite | Unit                  | Labour  | Composite |           |   |
|         | c) 6" i/d (150 mm)  | Each                    | 561.05  | 9861.05   | Each                  | 561.05  | 9861.05   |           |   |
|         | d) 8" i/d (200 mm)  | Each                    | 924.25  | 17964.25  | Each                  | 924.25  | 17964.25  |           |   |
|         | e) 10" i/d (250 mm)   | Each                    | 1185.45 | 22185.45  | Each                  | 1185.45 | 22185.45  |           |   |
|         | f) 12" i/d (300 mm)   | Each                    | 1389.50 | 27549.50  | Each                  | 1389.50 | 27549.50  |           |   |
|         | g) 16" i/d (400 mm)   | Each                    | 1647.10 | 52887.10  | Each                  | 1647.10 | 52887.10  |           |   |
|         | h) 18" i/d (450 mm)   | Each                    | 1969.05 | 94369.05  | Each                  | 1969.05 | 94369.05  |           |   |
| 32      | Providing and fixing, fire hydrants B.S.S. quality and weight of 2½" (65 mm) dia (including cost of jointing material).   | Each                    | 52.95   | 4372.95   | Each                  | 52.95   | 4372.95   | 9.1       | 1) Labour rates include cost of jointing material and labour.<br>2) Connecting pipes and specials, if used, will be paid extra. |
| 33      | Providing and fixing, air valve 2½ (65mm) dia of B.S.S. quality and weight (complete with jointing material).   |                         |         |           |                       |         |           | ditto     |   |
|         | a) single   | Each                    | 112.85  | 3172.85   | Each                  | 112.85  | 3172.85   |           |   |
|         | b) double   | Each                    | 112.85  | 7072.85   | Each                  | 112.85  | 7072.85   |           |   |
| 34      | Providing and fitting C.I. flanges on pipes, including turning, threading, facing and fitting, etc. complete in all respects:-  |                         |         |           |                       |         |           | ditto     |   |
|         | a) 3" to 6" (75 to 150 mm) i/d  | Per Kg                  | 24.85   | 99.60     | Per Kg                | 24.85   | 99.60     |           |   |
|         | b) 8" to 12" (200 to 300 mm) i/d  | Per Kg                  | 15.70   | 90.50     | Per Kg                | 15.70   | 90.50     |           |   |
|         | c) 15" to 18" (375 to 450 mm) i/d   | Per Kg                  | 13.25   | 88.05     | Per Kg                | 13.25   | 88.05     |           |   |
| 35      | Cutting C.I. pipe, and welding spigot or socket, flanged or tyton end, after finishing ends of pipes:   |                         |         |           |                       |         |           |           |   |
|         | a) 3" to 6" (75 to 150 mm) i/d  | Per Inch<br>i/d of pipe |         | 46.65     | Per cm i/d<br>of pipe |         | 18.65     |           |   |
|         | b) 8" to 12" (200 to 300 mm) i/d  | ditto                   |         | 57.30     | ditto                 |         | 22.90     |           |   |
|         | c) 15" to 18" (375 to 450 mm) i/d   | ditto                   |         | 53.05     | ditto                 |         | 21.25     |           |   |
| 36      | Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line in trenches, with flanged joints, using G.I. pipe of B.S.S. 1387-1967 complete in all respects, including specials and valves:- |                         |         |           |                       |         |           |           | Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, etc. is included in the rates.                         |
|         | i) G.I. flanged joints (Heavy Quality)  |                         |         |           |                       |         |           |           |   |
|         | a) 1½" i/d (40 mm)  | Per Rft.                | 13.95   | 255.30    | Per Metre             | 45.75   | 837.40    |           |   |
|         | b) 2" i/d (50 mm)   | Per Rft.                | 13.95   | 347.50    | Per Metre             | 45.75   | 1139.85   |           |   |
|         | c) 2½" i/d (65 mm)  | Per Rft.                | 15.10   | 434.10    | Per Metre             | 49.50   | 1423.80   |           |   |
|         | d) 3" i/d (75 mm)   | Per Rft.                | 15.15   | 556.20    | Per Metre             | 49.75   | 1824.40   |           |   |
|         | e) 4" i/d (100 mm)  | Per Rft.                | 17.30   | 756.35    | Per Metre             | 56.80   | 2480.80   |           |   |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                                      | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | f) 6" i/d (150 mm)                               | Per Rft.              | 19.45  | 934.75    | Per Metre            | 63.75  | 3065.90   |           |         |
|         | g) 8" i/d (200 mm)                               | Per Rft.              | 19.45  | 1104.25   | Per Metre            | 63.90  | 3622.00   |           |         |
|         | ii) C.I. flanged joints (Medium Quality)         |                       |        |           |                      |        |           |           |         |
|         | a) 1½" i/d (40 mm)                               | Per Rft.              | 15.60  | 197.05    | Per Metre            | 51.25  | 646.35    |           |         |
|         | b) 2" i/d (50 mm)                                | Per Rft.              | 14.75  | 267.25    | Per Metre            | 48.40  | 876.60    |           |         |
|         | c) 2½" i/d (65 mm)                               | Per Rft.              | 16.75  | 341.80    | Per Metre            | 54.90  | 1121.15   |           |         |
|         | d) 3" i/d (75 mm)                                | Per Rft.              | 16.80  | 426.55    | Per Metre            | 55.10  | 1399.10   |           |         |
|         | e) 4" i/d (100 mm)                               | Per Rft.              | 19.10  | 608.80    | Per Metre            | 62.65  | 1996.80   |           |         |
|         | f) 6" i/d (150 mm)                               | Per Rft.              | 21.35  | 833.30    | Per Metre            | 70.00  | 2733.20   |           |         |
|         | g) 8" i/d (200 mm)                               | Per Rft.              | 21.45  | 969.50    | Per Metre            | 70.40  | 3179.90   |           |         |
| 37      | Providing and installing P.V.C. bends, of B.S.S. |                       |        |           |                      |        |           |           |         |
|         | i) Class `B' working pressure:-                  |                       |        |           |                      |        |           |           |         |
|         | a) 3" i/d (75 mm)                                | Each                  | 75.80  | 199.40    | Each                 | 75.80  | 199.40    |           |         |
|         | b) 4" i/d (100 mm)                               | Each                  | 88.25  | 352.25    | Each                 | 88.25  | 352.25    |           |         |
|         | c) 5" i/d (125 mm)                               | Each                  | 110.30 | 626.30    | Each                 | 110.30 | 626.30    |           |         |
|         | d) 6" i/d (150 mm)                               | Each                  | 114.30 | 876.30    | Each                 | 114.30 | 876.30    |           |         |
|         | ii) Class `D' working pressure:-                 |                       |        |           |                      |        |           |           |         |
|         | a) 1¼" i/d (30 mm)                               | Each                  | 48.55  | 80.95     | Each                 | 48.55  | 80.95     |           |         |
|         | b) 1½" i/d (40 mm)                               | Each                  | 52.75  | 87.55     | Each                 | 52.75  | 87.55     |           |         |
|         | c) 2" i/d (50 mm)                                | Each                  | 57.55  | 127.15    | Each                 | 57.55  | 127.15    |           |         |
|         | d) 3" i/d (75 mm)                                | Each                  | 75.80  | 260.60    | Each                 | 75.80  | 260.60    |           |         |
|         | e) 4" i/d (100 mm)                               | Each                  | 88.25  | 522.65    | Each                 | 88.25  | 522.65    |           |         |
|         | f) 5" i/d (125 mm)                               | Each                  | 110.30 | 1106.30   | Each                 | 110.30 | 1106.30   |           |         |
|         | g) 6" i/d (150 mm)                               | Each                  | 114.30 | 1518.30   | Each                 | 114.30 | 1518.30   |           |         |
| 38      | Providing and installing P.V.C. tees, of B.S.S.  |                       |        |           |                      |        |           |           |         |
|         | i) Class `B' working pressure:-                  |                       |        |           |                      |        |           |           |         |
|         | a) 3" i/d (80 mm)                                | Each                  | 113.70 | 569.70    | Each                 | 113.70 | 569.70    |           |         |
|         | b) 4" i/d (100 mm)                               | Each                  | 134.25 | 1058.25   | Each                 | 134.25 | 1058.25   |           |         |
|         | c) 5" i/d (125 mm)                               | Each                  | 162.75 | 2022.75   | Each                 | 162.75 | 2022.75   |           |         |
|         | d) 6" i/d (150 mm)                               | Each                  | 171.50 | 2091.50   | Each                 | 171.50 | 2091.50   |           |         |
|         | ii) Class `D' working pressure:-                 |                       |        |           |                      |        |           |           |         |
|         | a) 1¼" i/d (30 mm)                               | Each                  | 74.30  | 200.30    | Each                 | 74.30  | 200.30    |           |         |
|         | b) 1½" i/d (40 mm)                               | Each                  | 79.40  | 234.20    | Each                 | 79.40  | 234.20    |           |         |
|         | c) 2" i/d (50 mm)                                | Each                  | 85.85  | 289.85    | Each                 | 85.85  | 289.85    |           |         |
|         | d) 3" i/d (75 mm)                                | Each                  | 113.70 | 563.70    | Each                 | 113.70 | 563.70    |           |         |
|         | e) 4" i/d (100 mm)                               | Each                  | 134.25 | 1058.25   | Each                 | 134.25 | 1058.25   |           |         |
|         | f) 5" i/d (125 mm)                               | Each                  | 162.75 | 2010.75   | Each                 | 162.75 | 2010.75   |           |         |
|         | g) 6" i/d (150 mm)                               | Each                  | 171.50 | 2079.50   | Each                 | 171.50 | 2079.50   |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No.   | Remarks |
|---------|--|-----------------------|---------|-----------|----------------------|---------|-----------|---|---------|
|         |  | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |   |         |
| 39      | Providing and installing P.V.C. sockets, B.S.S.  |                       |         |           |                      |         |           |   |         |
|         | i) Class `B' working pressure:-  |                       |         |           |                      |         |           |   |         |
|         | a) 3" i/d (75 mm)  | Each                  | 55.70   | 137.30    | Each                 | 55.70   | 137.30    |   |         |
|         | b) 4" i/d (100 mm)   | Each                  | 68.15   | 212.15    | Each                 | 68.15   | 212.15    |   |         |
|         | c) 5" i/d (125 mm)   | Each                  | 85.15   | 283.15    | Each                 | 85.15   | 283.15    |   |         |
|         | d) 6" i/d (150 mm)   | Each                  | 89.15   | 365.15    | Each                 | 89.15   | 365.15    |   |         |
|         | e) 8" i/d (200 mm)   | Each                  | 129.55  | 765.55    | Each                 | 129.55  | 765.55    |   |         |
|         | f) 10" i/d (250 mm)  | Each                  | 153.55  | 1881.55   | Each                 | 153.55  | 1881.55   |   |         |
|         | g) 12" i/d (300 mm)  | Each                  | 177.40  | 4137.40   | Each                 | 177.40  | 4137.40   |   |         |
|         | h) 14" i/d (350 mm)  | Each                  | 200.25  | 3320.25   | Each                 | 200.25  | 3320.25   |   |         |
|         | ii) Class `D' working pressure:-   |                       |         |           |                      |         |           |   |         |
|         | a) 1¼" i/d (30 mm)   | Each                  | 31.75   | 53.35     | Each                 | 31.75   | 53.35     |   |         |
|         | b) 1½" i/d (40 mm)   | Each                  | 35.95   | 65.95     | Each                 | 35.95   | 65.95     |   |         |
|         | c) 2" i/d (50 mm)  | Each                  | 40.75   | 88.75     | Each                 | 40.75   | 88.75     |   |         |
|         | d) 3" i/d (75 mm)  | Each                  | 55.70   | 208.10    | Each                 | 55.70   | 208.10    |   |         |
|         | e) 4" i/d (100 mm)   | Each                  | 68.15   | 350.15    | Each                 | 68.15   | 350.15    |   |         |
|         | f) 5" i/d (125 mm)   | Each                  | 85.15   | 601.15    | Each                 | 85.15   | 601.15    |   |         |
|         | g) 6" i/d (150 mm)   | Each                  | 89.15   | 1001.15   | Each                 | 89.15   | 1001.15   |   |         |
| 40      | Providing and installing P.V.C. Tapered core, B.S.S.   |                       |         |           |                      |         |           |   |         |
|         | i) Class `B' working pressure:-  |                       |         |           |                      |         |           |   |         |
|         | a) 3" i/d (75 mm)  | Each                  | 75.80   | 115.40    | Each                 | 75.80   | 115.40    |   |         |
|         | b) 4" i/d (100 mm)   | Each                  | 88.25   | 141.05    | Each                 | 88.25   | 141.05    |   |         |
|         | c) 5" i/d (125 mm)   | Each                  | 110.30  | 176.30    | Each                 | 110.30  | 176.30    |   |         |
|         | d) 6" i/d (150 mm)   | Each                  | 114.30  | 193.50    | Each                 | 114.30  | 193.50    |   |         |
|         | e) 8" i/d (200 mm)   | Each                  | 163.10  | 295.10    | Each                 | 163.10  | 295.10    |   |         |
|         | f) 10" i/d (250 mm)  | Each                  | 187.10  | 358.70    | Each                 | 187.10  | 358.70    |   |         |
|         | g) 12" i/d (300 mm)  | Each                  | 217.65  | 428.85    | Each                 | 217.65  | 428.85    |   |         |
|         | h) 14" i/d (350 mm)  | Each                  | 240.50  | 504.50    | Each                 | 240.50  | 504.50    |   |         |
|         | ii) Class `D' working pressure:-   |                       |         |           |                      |         |           |   |         |
|         | a) 1¼" i/d (30 mm)   | Each                  | 48.55   | 67.75     | Each                 | 48.55   | 67.75     |   |         |
|         | b) 1½" i/d (40 mm)   | Each                  | 52.75   | 79.15     | Each                 | 52.75   | 79.15     |   |         |
|         | c) 2" i/d (50 mm)  | Each                  | 57.55   | 89.95     | Each                 | 57.55   | 89.95     |   |         |
| 41      | Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. |                       |         |           |                      |         |           |   |         |
|         | Diameter of running main:  |                       |         |           |                      |         |           |   |         |
|         | i) upto 6" i/d (150 mm)  | Per Connection        | 1057.65 |           | Per Connection       | 1057.65 |           | The rate includes the component of bailing out water from the trench and cutting of existing pipe line. |         |
|         | ii) upto 8" i/d (200 mm)   | ditto                 | 1330.90 |           | ditto                | 1330.90 |           |   |         |
|         | iii) upto 10" i/d (250 mm)   | ction                 | 1887.60 |           | ction                | 1887.60 |           |   |         |
|         | iv) upto 12" i/d (300 mm)  | ditto                 | 2570.70 |           | ditto                | 2570.70 |           |   |         |
|         | v) upto 16" i/d (400 mm)   | ditto                 | 3161.55 |           | ditto                | 3161.55 |           |   |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description                | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|----------------------------|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |                            | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
|         | vi) upto 20" i/d (500 mm)  | ditto                 | 4083.75 |           | ditto                | 4083.75 |           |           |         |
|         | vii) upto 24" i/d (600 mm) | ditto                 | 4913.70 |           | ditto                | 4913.70 |           |           |         |



## 24. ELECTRIC INSTALLATION

Rates for all finished works include the removal of surplus debris, unused material and byproducts.

| MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL |  |                       |        |           |                      |          |           |             |         |             |
|---|--|-----------------------|--------|-----------|----------------------|----------|-----------|-------------|---------|-------------|
| Sr. No.   | Description  | Rate (British System) |        |           | Rate (Metric System) |          |           | Spec. No.   | Remarks |             |
|   |  | Unit                  | Labour | Composite | Unit                 | Labour   | Composite |             |         |             |
| 1   | Supply and erection of G.I. pipes for wiring purposes, including pull boxes, inspection boxes, bends, tees, etc. complete with all specials. |                       |        |           |                      |          |           | 38.4        |         |             |
|   | a) on surface, including clamps, etc.  |                       |        |           |                      |          |           |             |         |             |
|   | i) 15 mm i/d   | Per Rft.              | 12.80  | 58.10     | Per Metre            | 42.00    | 190.60    |             |         |             |
|   | ii) 20 mm i/d  | Per Rft.              | 12.80  | 72.50     | Per Metre            | 42.00    | 237.75    |             |         |             |
|   | iii) 25 mm i/d   | Per Rft.              | 12.80  | 95.40     | Per Metre            | 42.00    | 312.85    |             |         |             |
|   | iv) 32 mm i/d  | Per Rft.              | 15.60  | 121.35    | Per Metre            | 51.20    | 398.05    |             |         |             |
|   | v) 40 mm i/d   | Per Rft.              | 15.60  | 149.55    | Per Metre            | 51.20    | 490.55    |             |         |             |
|   | vi) 50 mm i/d  | Per Rft.              | 18.60  | 185.50    | Per Metre            | 60.95    | 608.45    |             |         |             |
|   | vii) 80 mm i/d   | Per Rft.              | 23.65  | 291.15    | Per Metre            | 77.60    | 954.90    |             |         |             |
|   | b) recessed in walls, including hooks, cutting jharries and repairing surface:   |                       |        |           |                      |          |           |             |         | 38.3        |
|   | i) 15 mm i/d   | Per Rft.              | 18.45  | 61.55     | Per Metre            | 60.45    | 201.85    |             |         |             |
|   | ii) 20 mm i/d  | Per Rft.              | 18.45  | 76.85     | Per Metre            | 60.45    | 252.10    |             |         |             |
|   | iii) 25 mm i/d   | Per Rft.              | 19.20  | 100.85    | Per Metre            | 63.00    | 330.80    |             |         |             |
|   | iv) 32 mm i/d  | Per Rft.              | 19.20  | 124.10    | Per Metre            | 63.00    | 407.05    |             |         |             |
|   | v) 40 mm i/d   | Per Rft.              | 20.95  | 153.30    | Per Metre            | 68.70    | 502.85    |             |         |             |
| vi) 50 mm i/d   | Per Rft.   | 28.80                 | 194.70 | Per Metre | 94.45                | 638.65   |           |             |         |             |
| vii) 80 mm i/d  | Per Rft.   | 46.10                 | 313.40 | Per Metre | 151.15               | 1,027.90 |           |             |         |             |
| 2   | Supply and erection of M.S. conduit pipes for wiring, including pull boxes, inspection boxes, bends, tees, etc. complete with all specials.  |                       |        |           |                      |          |           | 38.4 & 38.6 |         |             |
|   | a) on surface, including clamps, etc.  |                       |        |           |                      |          |           |             |         |             |
|   | i) 16 mm i/d   | Per Rft.              | 8.90   | 29.35     | Per Metre            | 29.15    | 96.30     |             |         |             |
|   | ii) 20 mm i/d  | Per Rft.              | 8.90   | 34.65     | Per Metre            | 29.15    | 113.55    |             |         |             |
|   | iii) 25 mm i/d   | Per Rft.              | 8.90   | 39.80     | Per Metre            | 29.15    | 130.50    |             |         |             |
|   | iv) 32 mm i/d  | Per Rft.              | 8.90   | 44.25     | Per Metre            | 29.15    | 145.10    |             |         |             |
|   | v) 40 mm i/d   | Per Rft.              | 10.00  | 56.35     | Per Metre            | 32.80    | 184.80    |             |         |             |
|   | vi) 50 mm i/d  | Per Rft.              | 12.30  | 68.85     | Per Metre            | 40.35    | 225.80    |             |         |             |
|   | b) recessed in walls, including cutting jharries, cost of hooks and repairing surface etc.   |                       |        |           |                      |          |           |             |         | 38.3 & 38.7 |
|   | i) 16 mm i/d   | Per Rft.              | 16.45  | 37.95     | Per Metre            | 54.00    | 124.40    |             |         |             |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No.   | Description   | Rate (British System) |        |           | Rate (Metric System) |          |           | Spec. No.   | Remarks     |
|---|---|-----------------------|--------|-----------|----------------------|----------|-----------|-------------|-------------|
|   |   | Unit                  | Labour | Composite | Unit                 | Labour   | Composite |             |             |
| 3   | ii) 20 mm i/d   | Per Rft.              | 16.45  | 42.65     | Per Metre            | 54.00    | 139.90    | 38.3 & 38.5 |             |
|   | iii) 25 mm i/d  | Per Rft.              | 18.45  | 49.00     | Per Metre            | 60.45    | 160.80    |             |             |
|   | iv) 32 mm i/d   | Per Rft.              | 19.20  | 54.50     | Per Metre            | 63.00    | 178.75    |             |             |
|   | v) 40 mm i/d  | Per Rft.              | 20.05  | 65.30     | Per Metre            | 65.70    | 214.10    |             |             |
|   | vi) 50 mm i/d   | Per Rft.              | 20.95  | 77.95     | Per Metre            | 68.70    | 255.60    |             |             |
|   | Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. |                       |        |           |                      |          |           |             |             |
| 4   | i) 12 mm i/d  | Per Rft.              | 14.85  | 25.20     | Per Metre            | 48.75    | 82.65     |             | 38.4        |
|   | ii) 20 mm i/d   | Per Rft.              | 15.35  | 29.30     | Per Metre            | 50.40    | 96.10     |             |             |
|   | iii) 25 mm i/d  | Per Rft.              | 17.05  | 35.05     | Per Metre            | 56.00    | 114.95    |             |             |
|   | iv) 32 mm i/d   | Per Rft.              | 18.45  | 42.90     | Per Metre            | 60.45    | 140.75    |             |             |
|   | v) 40 mm i/d  | Per Rft.              | 19.20  | 52.90     | Per Metre            | 63.00    | 173.60    |             |             |
|   | vi) 50 mm i/d   | Per Rft.              | 20.05  | 63.95     | Per Metre            | 65.70    | 209.80    |             |             |
| Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:- |   |                       |        |           |                      |          |           |             |             |
| 5   | i) 12 mm i/d  | Per Rft.              | 4.00   | 15.05     | Per Metre            | 13.10    | 49.45     | 38.2 & 38.3 |             |
|   | ii) 20 mm i/d   | Per Rft.              | 4.00   | 18.60     | Per Metre            | 13.10    | 61.10     |             |             |
|   | iii) 25 mm i/d  | Per Rft.              | 4.00   | 23.90     | Per Metre            | 13.10    | 78.35     |             |             |
|   | iv) 32 mm i/d   | Per Rft.              | 4.55   | 32.15     | Per Metre            | 15.00    | 105.50    |             |             |
|   | v) 40 mm i/d  | Per Rft.              | 4.55   | 42.75     | Per Metre            | 15.00    | 140.25    |             |             |
|   | vi) 50 mm i/d   | Per Rft.              | 5.50   | 57.55     | Per Metre            | 18.10    | 188.80    |             |             |
| Supply and erection of G.I. flexible pipe for wiring, including welding of sockets, nipples and check nuts, etc. complete:-   |   |                       |        |           |                      |          |           |             |             |
| 6   | i) 12 mm i/d  | Per Rft.              | 10.55  | 54.45     | Per Metre            | 34.50    | 178.50    |             | 38.2 & 38.3 |
|   | ii) 20 mm i/d   | Per Rft.              | 11.25  | 70.50     | Per Metre            | 36.80    | 231.20    |             |             |
|   | iii) 25 mm i/d  | Per Rft.              | 11.60  | 94.65     | Per Metre            | 38.10    | 310.50    |             |             |
|   | iv) 32 mm i/d   | Per Rft.              | 14.05  | 115.75    | Per Metre            | 46.05    | 379.65    |             |             |
|   | v) 40 mm i/d  | Per Rft.              | 15.30  | 130.90    | Per Metre            | 50.20    | 429.40    |             |             |
|   | vi) 50 mm i/d   | Per Rft.              | 16.85  | 170.85    | Per Metre            | 55.25    | 560.45    |             |             |
| vii) 80 mm i/d  | Per Rft.  | 22.45                 | 331.05 | Per Metre | 73.65                | 1,085.85 |           |             |             |
| Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-                              |   |                       |        |           |                      |          |           |             |             |
| 6   | i) 50 mm i/d  | Per Rft.              | 20.05  | 65.60     | Per Metre            | 65.70    | 215.20    | 38.2 & 38.3 |             |
|   | ii) 80 mm i/d   | Per Rft.              | 23.05  | 85.60     | Per Metre            | 75.55    | 280.80    |             |             |
|   | iii) 100 mm i/d   | Per Rft.              | 23.05  | 110.70    | Per Metre            | 75.55    | 363.15    |             |             |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |   |
| 7       | Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials:-  |                       |        |           |                      |        |           |           |   |
|         | i)    50 mm i/d   | Per Rft.              | 5.50   | 52.45     | Per Metre            | 18.10  | 172.10    |           |   |
|         | ii)   80 mm i/d   | Per Rft.              | 8.00   | 87.00     | Per Metre            | 26.25  | 285.40    |           |   |
|         | iii)  100 mm i/d  | Per Rft.              | 9.15   | 109.75    | Per Metre            | 30.00  | 360.05    |           |   |
| 8       | Supply and erection of wooden strip batten for wiring purposes, including clips, insulation cleats, etc.  | Per Rft.              | 1.60   | 3.80      | Per Metre            | 5.25   | 12.55     | 38.8      | Additional width required to accommodate wires will be provided by erection of additional strips. |
| 9       | Supply and erection of Sahl wood casing and capping for wiring purposes, including insulation cleats, screws, etc. complete.  | Per Rft.              | 1.60   | 12.80     | Per Metre            | 5.25   | 42.05     | 38.8      |   |
| 10      | Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-  |                       |        |           |                      |        |           | 38.1      |   |
|         | a) 250/440 volts, PVC insulated:  |                       |        |           |                      |        |           |           |   |
|         | i)    3/0.74 mm (3/0.029")  | Per Rft.              | 3.20   | 9.45      | Per Metre            | 10.50  | 30.95     |           |   |
|         | ii)   3/0.91 mm (3/0.036")  | Per Rft.              | 3.20   | 9.85      | Per Metre            | 10.50  | 32.30     |           |   |
|         | iii)  7/0.74 mm (7/0.029")  | Per Rft.              | 3.20   | 13.60     | Per Metre            | 10.50  | 44.55     |           |   |
|         | iv)   7/0.91 mm (7/0.036")  | Per Rft.              | 3.55   | 20.15     | Per Metre            | 11.65  | 66.15     |           |   |
|         | v)    7/1.12 mm (7/0.044")  | Per Rft.              | 4.00   | 28.95     | Per Metre            | 13.10  | 94.90     |           |   |
|         | vi)   7/1.63 mm (7/0.064")  | Per Rft.              | 4.90   | 70.55     | Per Metre            | 16.15  | 231.45    |           |   |
|         | vii)  19/1.32 mm (19/0.052")  | Per Rft.              | 11.15  | 113.60    | Per Metre            | 36.60  | 372.60    |           |   |
|         | viii) 19/1.63 mm (19/0.064")  | Per Rft.              | 13.00  | 155.80    | Per Metre            | 42.70  | 510.95    |           |   |
|         | b) 250/440 volts, PVC insulated cotton braided and compounded cables:-  |                       |        |           |                      |        |           |           |   |
|         | i)    3/0.74 mm (3/0.029")  | Per Rft.              | 3.55   | 9.80      | Per Metre            | 11.65  | 32.10     |           |   |
|         | ii)   3/0.91 mm (3/0.036")  | Per Rft.              | 3.55   | 10.20     | Per Metre            | 11.65  | 33.45     |           |   |
|         | iii)  7/0.74 mm (7/0.029")  | Per Rft.              | 3.55   | 13.95     | Per Metre            | 11.65  | 45.75     |           |   |
|         | iv)   7/0.91 mm (7/0.036")  | Per Rft.              | 3.75   | 20.40     | Per Metre            | 12.35  | 66.85     |           |   |
|         | v)    7/1.12 mm (7/0.044")  | Per Rft.              | 4.20   | 29.15     | Per Metre            | 13.80  | 95.55     |           |   |
|         | vi)   7/1.63 mm (7/0.064")  | Per Rft.              | 4.85   | 70.50     | Per Metre            | 15.90  | 231.20    |           |   |
| 11      | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):- |                       |        |           |                      |        |           |           |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.    | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--------------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |              |         |
|         | i) 3/0.74 mm (3/0.029")  | Per Rft.              | 3.20   | 9.00      | Per Metre            | 10.50  | 29.55     |              |         |
|         | ii) 3/0.91 mm (3/0.036")   | Per Rft.              | 3.20   | 11.90     | Per Metre            | 10.50  | 39.10     |              |         |
|         | iii) 7/0.74 mm (7/0.029")  | Per Rft.              | 3.20   | 16.10     | Per Metre            | 10.50  | 52.75     |              |         |
|         | iv) 7/0.91 mm (7/0.036")   | Per Rft.              | 3.55   | 23.10     | Per Metre            | 11.65  | 75.70     |              |         |
|         | v) 7/1.12 mm (7/0.044")  | Per Rft.              | 4.00   | 32.65     | Per Metre            | 13.10  | 107.15    |              |         |
|         | vi) 7/1.63 mm (7/0.064")   | Per Rft.              | 4.90   | 64.35     | Per Metre            | 16.15  | 211.00    |              |         |
| 12      | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):- |                       |        |           |                      |        |           | 38.1 to 38.7 |         |
|         | i) 7/1.63 mm (7/0.064")  | Per Rft.              | 4.85   | 72.75     | Per Metre            | 15.90  | 238.55    |              |         |
|         | ii) 19/1.32 mm (19/0.052")   | Per Rft.              | 5.35   | 122.60    | Per Metre            | 17.50  | 402.10    |              |         |
|         | iii) 19/1.63 mm (19/0.064")  | Per Rft.              | 5.80   | 165.85    | Per Metre            | 19.10  | 544.00    |              |         |
|         | iv) 19/2.11 mm (19/0.083")   | Per Rft.              | 6.40   | 317.00    | Per Metre            | 21.00  | 1,039.85  |              |         |
|         | v) 37//1.83 mm (37/0.072")   | Per Rft.              | 11.05  | 440.15    | Per Metre            | 36.20  | 1,443.65  |              |         |
|         | vi) 37/2.11 mm (37/0.083")   | Per Rft.              | 13.35  | 552.30    | Per Metre            | 43.75  | 1,811.50  |              |         |
|         | vii) 37/2.62 mm (37/0.103")  | Per Rft.              | 18.80  | 847.40    | Per Metre            | 61.75  | 2,779.55  |              |         |
| 13      | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-  |                       |        |           |                      |        |           | ditto        |         |
|         | a) PVC insulated, PVC sheathed twin core, 250/440 volts.   |                       |        |           |                      |        |           |              |         |
|         | i) 3/0.74 mm (3/0.029")  | Per Rft.              | 3.55   | 16.45     | Per Metre            | 11.65  | 53.90     |              |         |
|         | ii) 3/0.91 mm (3/0.036")   | Per Rft.              | 3.55   | 23.10     | Per Metre            | 11.65  | 75.70     |              |         |
|         | iii) 7/0.74 mm (7/0.029")  | Per Rft.              | 3.55   | 31.40     | Per Metre            | 11.65  | 102.95    |              |         |
|         | iv) 7/0.91 mm (7/0.036")   | Per Rft.              | 3.75   | 45.75     | Per Metre            | 12.35  | 150.00    |              |         |
|         | v) 7/1.12 mm (7/0.044")  | Per Rft.              | 4.20   | 64.85     | Per Metre            | 13.80  | 212.75    |              |         |
|         | vi) 7/1.63 mm (7/0.064")   | Per Rft.              | 4.85   | 129.10    | Per Metre            | 15.90  | 423.45    |              |         |
|         | b) PVC insulated, PVC sheathed 3 core, 660/1100 volt cable:-   |                       |        |           |                      |        |           |              |         |
|         | i) 3/0.74 mm (3/0.029")  | Per Rft.              | 3.75   | 24.55     | Per Metre            | 12.35  | 80.50     |              |         |
|         | ii) 3/0.91 mm (3/0.036")   | Per Rft.              | 3.75   | 34.90     | Per Metre            | 12.35  | 114.55    |              |         |
|         | iii) 7/0.74 mm (7/0.029")  | Per Rft.              | 3.75   | 47.40     | Per Metre            | 12.35  | 155.45    |              |         |
|         | iv) 7/0.91 mm (7/0.036")   | Per Rft.              | 4.20   | 69.20     | Per Metre            | 13.80  | 227.00    |              |         |
|         | v) 7/1.12 mm (7/0.044")  | Per Rft.              | 4.45   | 98.65     | Per Metre            | 14.60  | 323.60    |              |         |
|         | vi) 7/1.63 mm (7/0.064")   | Per Rft.              | 5.10   | 199.70    | Per Metre            | 16.65  | 654.95    |              |         |
|         | c) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-  |                       |        |           |                      |        |           |              |         |
|         | i) 3/0.74 mm (3/0.029")  | Per Rft.              | 4.00   | 31.40     | Per Metre            | 13.10  | 103.05    |              |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.    | Remarks  |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--------------|--|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |              |  |
|         | ii) 3/0.91 mm (3/0.036")   | Per Rft.              | 4.00   | 43.90     | Per Metre            | 13.10  | 143.95    |              |  |
|         | iii) 7/0.74 mm (7/0.029")  | Per Rft.              | 4.20   | 60.15     | Per Metre            | 13.80  | 197.35    |              |  |
|         | iv) 7/0.91 mm (7/0.036")   | Per Rft.              | 4.20   | 88.95     | Per Metre            | 13.80  | 291.80    |              |  |
|         | v) 7/1.12 mm (7/0.044")  | Per Rft.              | 4.45   | 127.85    | Per Metre            | 14.60  | 419.40    |              |  |
|         | vi) 7/1.63 mm (7/0.064")   | Per Rft.              | 5.10   | 260.15    | Per Metre            | 16.65  | 853.30    |              |  |
|         | vii) 19/1.32 mm (19/0.052")  | Per Rft.              | 7.10   | 485.60    | Per Metre            | 23.30  | 1,592.75  |              |  |
| d)      | PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.  |                       |        |           |                      |        |           |              | Cost of trenches where necessary is included in the rates. |
|         | i) 19/1.32 mm (19/0.052")  | Per Rft.              | 7.10   | 541.55    | Per Metre            | 23.30  | 1,776.25  |              |  |
|         | ii) 19/1.63 mm (19/0.064")   | Per Rft.              | 7.60   | 723.90    | Per Metre            | 25.00  | 2,374.40  |              |  |
|         | iii) 19/1.83 mm (19/0.072")  | Per Rft.              | 8.00   | 980.60    | Per Metre            | 26.25  | 3,216.35  |              |  |
|         | iv) 19/2.11 mm (19/0.083")   | Per Rft.              | 8.65   | 1,372.50  | Per Metre            | 28.35  | 4,501.80  |              |  |
|         | v) 37/1.83 mm (37/0.072")  | Per Rft.              | 8.90   | 1,869.75  | Per Metre            | 29.15  | 6,132.75  |              |  |
|         | vi) 37/2.11 mm (37/0.083")   | Per Rft.              | 10.65  | 2,363.60  | Per Metre            | 35.00  | 7,752.55  |              |  |
|         | vii) 37/2.36 mm (37/0.093")  | Per Rft.              | 12.80  | 2,880.80  | Per Metre            | 42.00  | 9,449.05  |              |  |
|         | viii) 37/2.62 mm (37/0.103")   | Per Rft.              | 16.00  | 3,585.50  | Per Metre            | 52.45  | 11,760.40 |              |  |
| 14      | Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. |                       |        |           |                      |        |           | 38.1 to 38.7 |  |
|         | i) 10 x 10 cm (4"x4")  | Each                  | 52.45  | 118.30    | Each                 | 52.45  | 118.30    |              |  |
|         | ii) 17.5 x 10 cm (7"x4")   | Each                  | 65.60  | 158.15    | Each                 | 65.60  | 158.15    |              |  |
|         | iii) 22.5 x 10 cm (9"x4")  | Each                  | 87.45  | 201.00    | Each                 | 87.45  | 201.00    |              |  |
|         | iv) 20 x 25 cm (8"x10")  | Each                  | 104.95 | 299.40    | Each                 | 104.95 | 299.40    |              |  |
|         | v) 25 x 30 cm (10"x12")  | Each                  | 131.20 | 397.40    | Each                 | 131.20 | 397.40    |              |  |
|         | vi) 30 x 35 cm (12"x14")   | Each                  | 174.90 | 516.00    | Each                 | 174.90 | 516.00    |              |  |
| 15      | Supply and erection of round block of Sahl wood, 10x4 cm (4"x1½") thick.   | Each                  | 15.00  | 27.80     | Each                 | 15.00  | 27.80     | 38.1         |  |
| 16      | Supply and erection of teak wood board, 4.5 cm (1¾") thick.  |                       |        |           |                      |        |           | 38.1         |  |
|         | i) 17.5 x 10 cm (7"x4")  | Each                  | 21.00  | 76.40     | Each                 | 21.00  | 76.40     |              |  |
|         | ii) 22.5 x 10 cm (9"x4")   | Each                  | 21.00  | 88.40     | Each                 | 21.00  | 88.40     |              |  |
|         | iii) 20 x 25 cm (8"x10")   | Each                  | 23.30  | 103.90    | Each                 | 23.30  | 103.90    |              |  |
|         | iv) 25 x 30 cm (10"x12")   | Each                  | 26.25  | 143.05    | Each                 | 26.25  | 143.05    |              |  |
|         | v) 30 x 35 cm (12"x14")  | Each                  | 30.00  | 196.00    | Each                 | 30.00  | 196.00    |              |  |
| 17      | Supply and erection of Sahl wood board, 4.5 cm (1¾") thick.  |                       |        |           |                      |        |           |              |  |
|         | i) 17.5 x 10 cm (7"x4")  | Each                  | 21.00  | 56.60     | Each                 | 21.00  | 56.60     |              |  |
|         | ii) 22.5 x 10 cm (9"x4")   | Each                  | 21.00  | 74.60     | Each                 | 21.00  | 74.60     |              |  |
|         | iii) 20 x 25 cm (8"x10")   | Each                  | 23.30  | 88.30     | Each                 | 23.30  | 88.30     |              |  |
|         | iv) 25 x 30 cm (10"x12")   | Each                  | 26.25  | 106.85    | Each                 | 26.25  | 106.85    |              |  |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |          |           | Rate (Metric System) |          |           | Spec. No. | Remarks  |
|---------|---|-----------------------|----------|-----------|----------------------|----------|-----------|-----------|--|
|         |   | Unit                  | Labour   | Composite | Unit                 | Labour   | Composite |           |  |
| 18      | v) 30 x 35 cm (12"x14")<br>Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. | Each                  | 30.00    | 126.80    | Each                 | 30.00    | 126.80    | 38.1      | When the base frame is already installed, the labour and composite rates will be reduced as follows:- For 15 to 35 Amps. by Rs. 21.20 and Rs. 145.50. For 60 to 65 Amps. by Rs. 38.80 and Rs. 252.60. For 100 Amps. by Rs. 38.80 and Rs. 350.80.                         |
|         | a) double pole:   |                       |          |           |                      |          |           |           |  |
|         | i) 15/20 Amp.   | Each                  | 349.80   | 1,369.35  | Each                 | 349.80   | 1,369.35  |           |  |
|         | ii) 30/35 Amp.  | Each                  | 349.80   | 1,651.35  | Each                 | 349.80   | 1,651.35  |           |  |
|         | iii) 60/65 Amp.   | Each                  | 524.70   | 2,136.45  | Each                 | 524.70   | 2,136.45  |           |  |
|         | iv) 100 Amp.  | Each                  | 524.70   | 2,676.45  | Each                 | 524.70   | 2,676.45  |           |  |
|         | b) triple pole:   |                       |          |           |                      |          |           |           |  |
|         | i) 15/20 Amp.   | Each                  | 524.70   | 1,862.25  | Each                 | 524.70   | 1,862.25  |           |  |
|         | ii) 30/35 Amp.  | Each                  | 349.80   | 2,107.35  | Each                 | 349.80   | 2,107.35  |           |  |
|         | c) triple pole with neutral link:   |                       |          |           |                      |          |           |           |  |
|         | i) 30/35 Amp.   | Each                  | 349.80   | 2,275.35  | Each                 | 349.80   | 2,275.35  |           |  |
|         | ii) 60/65 Amp.  | Each                  | 524.70   | 2,857.20  | Each                 | 524.70   | 2,857.20  |           |  |
|         | iii) 100 Amp.   | Each                  | 667.90   | 3,498.45  | Each                 | 667.90   | 3,498.45  |           |  |
| 19      | Supply and erection of iron/aluminum clad, 500 volts main switches with triple pole and neutral link and HRC fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles.   |                       |          |           |                      |          |           | 38.1      | When the base frame is already installed, the labour & composite rates will be reduced as follows:-<br><br>i) For 60/65 Amp. by Rs. 21.20 and Rs. 145.50.<br>ii) For 100 to 300 Amp. by Rs. 21.20 and Rs. 350.80<br>iii) For 400 to 500 Amp. by Rs. 42.20 and Rs. 526.20 |
|         | 60/65 Amp   | Each                  | 524.70   | 2,906.10  | Each                 | 524.70   | 2,906.10  |           |  |
|         | 100 Amp   | Each                  | 667.90   | 4,057.35  | Each                 | 667.90   | 4,057.35  |           |  |
|         | 150 Amp   | Each                  | 667.90   | 5,576.50  | Each                 | 667.90   | 5,576.50  |           |  |
|         | 200 Amp   | Each                  | 1,511.40 | 8,904.00  | Each                 | 1,511.40 | 8,904.00  |           |  |
|         | 300 Amp   | Each                  | 1,511.40 | 10,272.00 | Each                 | 1,511.40 | 10,272.00 |           |  |
|         | 400 Amp   | Each                  | 2,120.25 | 13,797.45 | Each                 | 2,120.25 | 13,797.45 |           |  |
|         | 500 Amp   | Each                  | 2,267.10 | 17,618.20 | Each                 | 2,267.10 | 17,618.20 |           |  |
| 20      | Supply and erection of iron/aluminum clad, branch distribution board, 250 volt, on angle iron frame of suitable size with 3 mm (1/8") M.S. sheet covering:  |                       |          |           |                      |          |           | ditto     | When the base frame is already installed the labour and composite rates will be reduced by Rs. 19.50 & Rs. 152.20 respectively.  |
|         | i) 2 way, 15 Amp per way  | Each                  | 174.90   | 570.30    | Each                 | 174.90   | 570.30    |           |  |
|         | ii) 3 way, 15 Amp per way   | Each                  | 174.90   | 570.30    | Each                 | 174.90   | 570.30    |           |  |
|         | iii) 4 way, 15 Amp per way  | Each                  | 174.90   | 642.30    | Each                 | 174.90   | 642.30    |           |  |
|         | iv) 5 way, 15 Amp per way   | Each                  | 174.90   | 702.30    | Each                 | 174.90   | 702.30    |           |  |
|         | v) 6 way, 15 Amp per way  | Each                  | 174.90   | 744.30    | Each                 | 174.90   | 744.30    |           |  |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |          |           | Spec. No. | Remarks   |
|---------|--|-----------------------|----------|-----------|----------------------|----------|-----------|-----------|---|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour   | Composite |           |   |
|         | vi) 7 way, 15 Amp per way  | Each                  | 174.90   | 798.30    | Each                 | 174.90   | 798.30    |           |   |
|         | vii) 8 way, 15 Amp per way   | Each                  | 174.90   | 846.30    | Each                 | 174.90   | 846.30    |           |   |
|         | viii) 9 way, 15 Amp per way  | Each                  | 174.90   | 900.30    | Each                 | 174.90   | 900.30    |           |   |
|         | ix) 10 way, 15 Amp per way   | Each                  | 174.90   | 978.30    | Each                 | 174.90   | 978.30    |           |   |
|         | x) 11 way, 15 Amp per way  | Each                  | 174.90   | 1,038.30  | Each                 | 174.90   | 1,038.30  |           |   |
|         | xi) 12 way, 15 Amp per way   | Each                  | 174.90   | 1,092.30  | Each                 | 174.90   | 1,092.30  |           |   |
|         | xii) 2 way, 30 Amp per way   | Each                  | 262.35   | 657.75    | Each                 | 262.35   | 657.75    |           |   |
|         | xiii) 3 way, 30 Amp per way  | Each                  | 262.35   | 663.75    | Each                 | 262.35   | 663.75    |           |   |
|         | xiv) 4 way, 30 Amp per way   | Each                  | 262.35   | 723.75    | Each                 | 262.35   | 723.75    |           |   |
|         | xv) 5 way, 30 Amp per way  | Each                  | 262.35   | 789.75    | Each                 | 262.35   | 789.75    |           |   |
|         | xvi) 6 way, 30 Amp per way   | Each                  | 262.35   | 831.75    | Each                 | 262.35   | 831.75    |           |   |
|         | xvii) 7 way, 30 Amp per way  | Each                  | 262.35   | 897.75    | Each                 | 262.35   | 897.75    |           |   |
|         | xviii) 8 way, 30 Amp per way   | Each                  | 262.35   | 951.75    | Each                 | 262.35   | 951.75    |           |   |
|         | xix) 9 way, 30 Amp per way   | Each                  | 262.35   | 999.75    | Each                 | 262.35   | 999.75    |           |   |
|         | xx) 10 way, 30 Amp per way   | Each                  | 262.35   | 1,083.75  | Each                 | 262.35   | 1,083.75  |           |   |
| 21      | Supply and erection of bus bars, for 500 volts 3 phase A.C. supply with four copper bars, including glazed porcelain bridges, on angle iron board, fixed with rag bolts and M.S. sheet box 1.5 mm thick, etc. complete:- |                       |          |           |                      |          |           | 38.1      | When the base frame is already installed the labour and composite rates will be reduced by Rs. 21.20 and Rs. 145.50 respectively. |
|         | i) 60 Amp. with 4 copper bars size 1½"x1/8" (40 x 3 mm)  | Each                  | 668.25   | 2,707.05  | Each                 | 668.25   | 2,707.05  |           |   |
|         | ii) 100 Amp. with 4 copper bars size 1½"x1/8" (40 x 3 mm)  | Each                  | 668.25   | 2,707.05  | Each                 | 668.25   | 2,707.05  |           |   |
|         | iii) 200 Amp with 4 copper bars size 2"x1/8" (50x 3 mm)  | Each                  | 1,042.80 | 3,177.60  | Each                 | 1,042.80 | 3,177.60  |           |   |
|         | iv) 300 Amp with 4 copper bars size 2"x3/16" (50x 5 mm)  | Each                  | 1,196.25 | 3,331.05  | Each                 | 1,196.25 | 3,331.05  |           |   |
|         | v) 500 Amp with 4 copper size 2"x1/4" (50x 6 mm)   | Each                  | 815.10   | 3,537.55  | Each                 | 815.10   | 3,537.55  |           |   |
| 22      | i) Supply and erection of plain pendent lamp holder, complete with bakelite lamp holder and flexible twin wire 23/0.0076" upto 2 metre length (without bulb and shade).  | Each                  | 12.25    | 101.70    | Each                 | 12.25    | 101.70    | 38.1      |   |
|         | ii) Extra for additional length of flexible wire, beyond 2 metres.   | Per Rft.              | --       | 1.65      | Per Metre            | --       | 5.45      |           |   |
| 23      | Supply and erection of counter weight pendent with porcelain counter weight, and fitting on bakelite lamp holder, with flexible twin wire 23/0.0076" complete (without bulb and shade).                                  | Each                  | 24.50    | 227.65    | Each                 | 24.50    | 227.65    | 38.1      |   |
| 24      | Supply and erection of stiff pendent with brass/metal pipe 6.3 cm (2.5") long, and 15 mm (½") dia brass oxidised or painted, along with brass lamp holder with VIR/PVC cable 3/0.74 mm                                   | Each                  | 34.75    | 375.55    | Each                 | 34.75    | 375.55    | ditto     |   |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
| 25      | (3/0.029").<br>Supply and erection of 22.5 cm (9") long swan neck plain brass/steel brass oxidised bracket lamp holder, complete. | Each                  | 35.95  | 98.95     | Each                 | 35.95  | 98.95     | ditto     |         |
| 26      | Supply and erection of wall type/pole type bracket, with double cover water tight reflector, flexible wire and brass boldor.      | Each                  | 49.65  | 402.00    | Each                 | 49.65  | 402.00    | ditto     |         |
| 27      | Supply and erection of bakelite button holder shade, large size.  | Each                  | 8.15   | 44.80     | Each                 | 8.15   | 44.80     | ditto     |         |
| 28      | Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").                                      | Each                  | 34.75  | 213.15    | Each                 | 34.75  | 213.15    | 38.1      |         |
| 29      | Supply and erection of bell push or bed switch, with 5 metres twin flexible wire 23/0.0076".                                      | Each                  | 7.35   | 203.95    | Each                 | 7.35   | 203.95    | 38.1      |         |
| 30      | Supply and erection of ceiling rose, bakelite.  | Each                  | 12.25  | 31.60     | Each                 | 12.25  | 31.60     | ditto     |         |
| 31      | Supply and erection of switches 5 Amp.  |                       |        |           |                      |        |           |           |         |
|         | i) open type  | Each                  | 11.75  | 28.70     | Each                 | 11.75  | 28.70     | ditto     |         |
|         | ii) piano type  | Each                  | 11.75  | 28.70     | Each                 | 11.75  | 28.70     |           |         |
|         | iii) ring type, recessed  | Each                  | 11.75  | 23.75     | Each                 | 11.75  | 23.75     |           |         |
|         | iv) plate type, recessed  | Each                  | 11.75  | 45.50     | Each                 | 11.75  | 45.50     |           |         |
|         | v) double control, open type  | Each                  | 15.95  | 44.15     | Each                 | 15.95  | 44.15     |           |         |
|         | vi) double control, ring type recessed  | Each                  | 15.95  | 38.15     | Each                 | 15.95  | 38.15     |           |         |
|         | vii) double control, piano type   | Each                  | 15.95  | 39.35     | Each                 | 15.95  | 39.35     |           |         |
| 32      | Supply and erection of switches 10/15 Amp.  |                       |        |           |                      |        |           | ditto     |         |
|         | i) open type  | Each                  | 11.75  | 37.55     | Each                 | 11.75  | 37.55     |           |         |
|         | ii) recessed type   | Each                  | 11.75  | 47.15     | Each                 | 11.75  | 47.15     |           |         |
| 33      | Supply and erection of wall socket with 3 pin 5 Amp, shoe.  | Each                  | 11.75  | 73.55     | Each                 | 11.75  | 73.55     | ditto     |         |
| 34      | Supply and erection of 3 pin. 5 Amp wall socket.  | Each                  | 11.75  | 49.55     | Each                 | 11.75  | 49.55     | ditto     |         |
| 35      | Supply and erection of 3 pin, 10/15 Amp. wall socket.   |                       |        |           |                      |        |           | ditto     |         |
|         | i) open type  | Each                  | 11.75  | 43.55     | Each                 | 11.75  | 43.55     |           |         |
|         | ii) recessed type   | Each                  | 11.75  | 79.55     | Each                 | 11.75  | 79.55     |           |         |
| 36      | Supply and erection of 3 pin switch and plug combined, recessed type.   |                       |        |           |                      |        |           | ditto     |         |
|         | i) 5 Amp  | Each                  | 11.75  | 63.35     | Each                 | 11.75  | 63.35     |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | ii) 10/15 Amp   | Each                  | 11.75  | 88.25     | Each                 | 11.75  | 88.25     |           |         |
| 37      | Supply and erection of 3 pin 10/15 Amp. wall socket with shoe, open type.   | Each                  | 11.75  | 139.55    | Each                 | 11.75  | 139.55    | ditto     |         |
| 38      | Supply and erection of cut out, bakelite.   |                       |        |           |                      |        |           | ditto     |         |
|         | i) open type  | Each                  | 6.55   | 32.35     | Each                 | 6.55   | 32.35     |           |         |
|         | ii) recessed type   | Each                  | 6.55   | 38.35     | Each                 | 6.55   | 38.35     |           |         |
| 39      | Supply and erection of button holder.   |                       |        |           |                      |        |           | 38.1      |         |
|         | i) bakelite large size  | Each                  | 7.35   | 25.95     | Each                 | 7.35   | 25.95     |           |         |
|         | ii) brass   | Each                  | 7.35   | 37.95     | Each                 | 7.35   | 37.95     |           |         |
| 40      | Supply and erection of brass bracket with holder.   | Each                  | 9.80   | 40.40     | Each                 | 9.80   | 40.40     | ditto     |         |
| 41      | Supply and erection of bell push open/recessed type (without flexible wire).  | Each                  | 6.55   | 26.35     | Each                 | 6.55   | 26.35     | ditto     |         |
| 42      | Supply and erection of kitkat, 500 volt:  |                       |        |           |                      |        |           | ditto     |         |
|         | i) 15/20 Amp  | Each                  | 11.70  | 43.20     | Each                 | 11.70  | 43.20     |           |         |
|         | ii) 30/35 Amp   | Each                  | 12.75  | 44.25     | Each                 | 12.75  | 44.25     |           |         |
|         | iii) 60/65 Amp  | Each                  | 19.50  | 64.50     | Each                 | 19.50  | 64.50     |           |         |
|         | iv) 100 Amp   | Each                  | 21.90  | 108.90    | Each                 | 21.90  | 108.90    |           |         |
|         | v) 200 Amp  | Each                  | 25.05  | 148.05    | Each                 | 25.05  | 148.05    |           |         |
|         | vi) 300 Amp   | Each                  | 25.05  | 304.05    | Each                 | 25.05  | 304.05    |           |         |
|         | vii) 400 Amp  | Each                  | 32.60  | 377.60    | Each                 | 32.60  | 377.60    |           |         |
|         | viii) 500 Amp   | Each                  | 32.60  | 548.60    | Each                 | 32.60  | 548.60    |           |         |
| 43      | Supply and erection of tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc., complete. |                       |        |           |                      |        |           | 38.1      |         |
|         | i) double rod (80 watts) with two chokes and 2 starters.  | Per set               | 203.80 | 1,134.05  | Per set              | 203.80 | 1,134.05  |           |         |
|         | ii) single rod (40 watts) with one choke and one starter.   | ditto                 | 163.00 | 589.30    | ditto                | 163.00 | 589.30    |           |         |
|         | iii) round tube, 32 watt, with one choke and one starter, without cover.  | Each                  | 163.00 | 645.70    | Each                 | 163.00 | 645.70    |           |         |
|         | iv) round tube, 32 watt with one chock and one starter, with cover.   | ditto                 | 135.85 | 738.55    | ditto                | 135.85 | 738.55    |           |         |
| 44      | Providing and fixing M.S. iron box for housing main switches, made of 1.5 mm (1/16") thick M.S. sheet, with locking                                 |                       |        |           |                      |        |           | ditto     |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |          |           | Spec. No.    | Remarks |
|---------|--|-----------------------|----------|-----------|----------------------|----------|-----------|--------------|---------|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour   | Composite |              |         |
|         | arrangement, including painting:-  |                       |          |           |                      |          |           |              |         |
|         | i) 60x35x15 cm (24"x14"x6")  | Each                  | 425.90   | 2,435.65  | Each                 | 425.90   | 2,435.65  |              |         |
|         | ii) 95x40x20 cm (38"x16"x8")   | Each                  | 616.85   | 3,051.30  | Each                 | 616.85   | 3,051.30  |              |         |
|         | iii) 105x52.5x22.5 cm (42"x21"x9")   | Each                  | 938.45   | 4,208.15  | Each                 | 938.45   | 4,208.15  |              |         |
|         | iv) 135x70x27.5 cm (54"x28"x11")   | Each                  | 1,035.40 | 6,204.05  | Each                 | 1,035.40 | 6,204.05  |              |         |
| 45      | Supply and erection of girder clamp hook, 16 mm (5/8") with M.S. plate 25x6 mm (1"x1/4"), with bolts and nuts for hanging ceiling fans.  | Each                  | 27.15    | 138.75    | Each                 | 27.15    | 138.75    | 38.1 & 38.10 |         |
| 46      | Supply and erection of girder strut, of M.S. tee section 40x40x6 mm (1 1/2"x1 1/2"x 1/4"), complete with clamp, bolts and nuts, etc., including fixing with cement concrete 1:3:6.                           | Each                  | 34.75    | 839.15    | Each                 | 34.75    | 839.15    | ditto        |         |
| 47      | Supply and erection of roof suspension hook, 16 mm (5/8") dia rod with 75x40x3 mm (3"x1 1/2"x1/8") M.S. steel channel, with clamp, bolts and nuts, etc., including fixing with cement concrete 1:3:6.        | Each                  | 37.25    | 1,178.90  | Each                 | 37.25    | 1,178.90  | 38.1         |         |
| 48      | Supply and erection of roof suspension hook of M.S. plate 75x40x12.7mm (3"x1 1/2"x1/2") with 16 mm (5/8") hook complete with bolts, nuts and fixing with cement concrete 1:3:6                               | Each                  | 49.65    | 475.75    | Each                 | 49.65    | 475.75    |              |         |
| 49      | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.  | Each                  | 15.05    | 31.85     | Each                 | 15.05    | 31.85     | ditto        |         |
| 50      | Erection of circular L.T. pole in cement concrete 1:3:6 one metre below ground level (excluding the cost of pole), including cement concrete collar (1:2:4) excavation of foundation, and finishing surface. | Each                  | 428.50   | 2,097.60  | Each                 | 428.50   | 2,097.60  | 38.12        |         |
| 51      | Supply and erection of bracket of M.S. channel 75x40x6 mm (3"x1 1/2"x1/4") section:-   |                       |          |           |                      |          |           |              |         |
|         | i) 0.60 metre (2') long for 2 lines.   | Each                  | 104.90   | 538.55    | Each                 | 104.90   | 538.55    |              |         |
|         | ii) 1.200 metre (4') long for 4 lines.   | Each                  | 122.40   | 1,112.60  | Each                 | 122.40   | 1,112.60  |              |         |
| 52      | Supply and erection of anchor rod Henley type for pole, including necessary clamps and 7/12" stay wire, straining screws, etc., erected in cement concrete 1:3:6 and collar of cement concrete.              | Per Rft.              | 6.55     | 19.60     | Per Metre            | 21.40    | 64.30     | 38.14        |         |
| 53      | Supply and erection of stay for house service pipe, erected with straining screws and 7/14" stay wire, complete.   | Per Rft.              | 9.15     | 30.40     | Per Metre            | 30.00    | 99.65     | ditto        |         |
| 54      | Supply and erection of house service pipe Henley (G.I. pipe water quality) or pole type, 50 mm (2") dia, erected to instal insulated overhead line, include shackle insulator for holding                    | Per Rft.              | 38.40    | 237.75    | Per Metre            | 125.95   | 779.75    |              |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |          |           | Spec. No. | Remarks                            |
|---------|--|-----------------------|----------|-----------|----------------------|----------|-----------|-----------|------------------------------------|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour   | Composite |           |                                    |
|         | insulated wire and straining devices for bearer wire and other accessories etc., complete.   |                       |          |           |                      |          |           |           |                                    |
| 55      | Supply and erection of house service pipe 50 mm (2") dia G.I. pipe Henley or pole type for bare copper wire overhead line, including shackle insulator, straining devices and other accessories etc. | Per Rft.              | 38.05    | 235.95    | Per Metre            | 124.85   | 773.85    |           |                                    |
| 56      | Supply and erection of lightning arrester horn type, complete.   | Each                  | 208.55   | 2,368.55  | Each                 | 208.55   | 2,368.55  |           |                                    |
| 57      | Supply and erection of shackle insulator, medium size.   | Each                  | 27.70    | 189.70    | Each                 | 27.70    | 189.70    | 38.12     |                                    |
| 58      | Supply and erection of pin insulator, green medium size.   | Each                  | 27.70    | 75.70     | Each                 | 27.70    | 75.70     | ditto     |                                    |
| 59      | Supply and erection of bare copper conductor wire No. 2 to No. 10 SWG, including binding wire No. 16 SWG.  | Per Kg                | 14.40    | 1,038.00  | Per Kg               | 14.40    | 1,038.00  | 38.1      |                                    |
| 60      | Supply and erection of G.I. wire of all sizes, including binding wire No. 16 SWG for support of rubber wire or earthing wire, pole to pole etc.  | Per Kg                | 14.40    | 102.00    | Per Kg               | 14.40    | 102.00    | ditto     |                                    |
| 61      | Wiring overhead line in 2 single core, PVC/weather proof cable, on G.I. wire No. 8 SWG bearer wire and in house service pipe, including connection through joint box.                                |                       |          |           |                      |          |           | 38.12     |                                    |
|         | i) 3/0.74 mm (3/0.029")  | Per Rft.              | 3.55     | 11.00     | Per Metre            | 11.60    | 36.15     |           |                                    |
|         | ii) 7/0.74 mm (7/0.029")   | ditto                 | 3.55     | 19.15     | ditto                | 11.60    | 62.80     |           |                                    |
|         | iii) 7/0.91 mm (7/0.036")  | ditto                 | 3.55     | 25.60     | ditto                | 11.60    | 83.95     |           |                                    |
|         | iv) 7/1.12 mm (7/0.044")   | ditto                 | 3.55     | 34.45     | ditto                | 11.60    | 113.05    |           |                                    |
| 62      | Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122").   | Per Rft.              | 6.90     | 19.80     | Per Metre            | 22.60    | 64.95     | 38.1      |                                    |
| 63      | Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp.   | Each                  | 173.80   | 913.70    | Each                 | 173.80   | 913.70    |           |                                    |
| 64      | Supply and erection of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps):   |                       |          |           |                      |          |           |           |                                    |
|         | i) G.E.C. design   | Each                  | 347.60   | 2,699.60  | Each                 | 347.60   | 2,699.60  |           |                                    |
|         | ii) Philips design   | ditto                 | 347.60   | 3,071.60  | ditto                | 347.60   | 3,071.60  |           |                                    |
| 65      | Supply and fitting of mercury vapour lamp, complete with choke set.  |                       |          |           |                      |          |           |           |                                    |
|         | i) 125 watt lamp   | Each                  | 135.85   | 1,035.85  | Each                 | 135.85   | 1,035.85  |           |                                    |
|         | ii) 250 watt lamp  | ditto                 | 163.00   | 1,903.00  | ditto                | 163.00   | 1,903.00  |           |                                    |
| 66      | Manufacture and erection of angle iron lattice steel structure   | Each                  | 5,940.05 | 22,056.75 | Each                 | 5,940.05 | 22,056.75 | 38.13     | The composite rate will be reduced |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System)                                      |                          |                           | Rate (Metric System)                |                             |                             | Spec. No. | Remarks   |
|---------|---|--|--------------------------|---------------------------|-------------------------------------|-----------------------------|-----------------------------|-----------|---|
|         |   | Unit   | Labour                   | Composite                 | Unit                                | Labour                      | Composite                   |           |   |
|         | pole (36.0') 10,923 mm long 9348 mm (30.5') above ground level) 355 mm (14") square at base and 204 mm (8") square at top for electric distribution line, using 1¼"x1¼"x3/16" (30x30x5 mm) angle iron legs and ¾"x¾"x1/8" (20x20x3 mm) angle iron bracing 420 mm (17") long fixed between legs on all the four sides in diagonal position, and 1¾"x1¾"x3/16"(45x45x5 mm) angle iron on top and 4 bands of M.S. flat iron 2"x¼" (50x6 mm) 305 mm (12") centre to centre, as per standard drawing including silver painting of pole 3 coats, excavation and refilling of foundation cement concrete 1:2:4. 6'-0"x1'-8"x1'-8" (1807x500x500 mm) for foundation, etc, complete in all respects. |  |                          |                           |                                     |                             |                             |           | or increased by Rs. 36.50 for each (100 mm) of reduction or addition in the height of the pole above ground level.  |
| 67      | Manufacture and erection of galvanized angle iron lattice steel structure pole 37 ft. (11.25 m) long 30 ft. (9 m) above ground level), 34" square (850 mm) at base, 13.75" (35 mm) square at top, for electric distribution line, using 2"x2"x5/32" (50x50x4mm) high tensile steel angle iron legs, and 1-3/8"x 1-3/8"x1/8" (35x35x3 mm) M.S. angle iron bracings fixed between legs on all the four sides in diagonal position as per standard drawing including silver painting of pole, excavation and refilling of foundation, one ft. (300 mm) thick cement concrete 1:3:6 foundation of outer size 8'x3½'x3½' (2400x1050x1050 mm), etc. complete in all respects.                     | Each   | 5,628.45                 | 34,080.30                 | Each                                | 5,628.45                    | 34,080.30                   | 38.13     | The composite rate will be reduced or increased by Rs. 237.00 for each foot (300 mm) of reduction or addition in the height of the pole above ground level. |
| 68      | Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.   | Job  | 749.10                   | 3,489.30                  | Job                                 | 749.10                      | 3,489.30                    |           |   |
| 69      | Earthing of Metallic cases, etc. with G.I. wire No. 8 SWG, in 15 mm (½") dia G.I. pipe, best quality:-<br>i) on surface, including clamps, etc.<br>ii) recessed in wall, including hooks, jharries and making good surface.   | Per Rft.<br>ditto  | 7.95<br>18.25            | 52.05<br>63.20            | Per Metre<br>ditto                  | 26.05<br>59.95              | 170.70<br>207.30            | 38.11     |   |
| 70      | Bonding to earth with wire on surface, including cost of wire, clamps, thimbles, etc.<br>a) G.I. wire:<br>i) 8 SWG<br>ii) 16 SWG<br>b) Copper wire:<br>i) 16 SWG  | Per Rft.<br>ditto<br><br>Per Rft.<br>ditto<br><br>Per Rft. | 3.60<br>3.60<br><br>3.60 | 9.10<br>5.15<br><br>10.65 | Per Metre<br>ditto<br><br>Per Metre | 11.75<br>11.75<br><br>11.75 | 29.90<br>16.85<br><br>34.85 | ditto     |   |

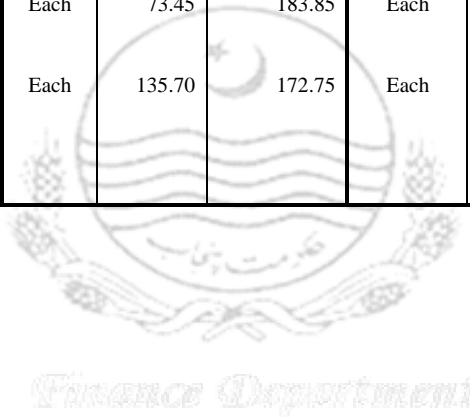
**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |   |
|         | ii) 20 SWG   | ditto                 | 3.60   | 6.30      | ditto                | 11.75  | 20.60     |           |   |
| 71      | Erection only, of lightning conductor of copper tape, including supply of copper staple and copper nails and cement, sand mortar.                    | Per Rft.              | 12.70  | 17.15     | Per Metre            | 41.70  | 56.15     | 38.11     | Rate includes all materials required in erection (excluding copper tape lightning conductor). |
| 72      | Supply and erection of 600x600x3 mm (2'x2'x1/8") copper plate, including re-venting to copper tape and placing in mixture of salt and charcoal, etc. | Each                  | 499.40 | 4,266.55  | Each                 | 499.40 | 4,266.55  | ditto     |   |
| 73      | Supply and erection of copper tape, including copper staple copper nails, cement, sand, etc.   |                       |        |           |                      |        |           |           |   |
|         | i) tape 40x3 mm (1½"x1/8")   | Per Rft.              | 18.25  | 252.70    | Per Metre            | 59.95  | 828.95    |           |   |
|         | ii) tape 50x3 mm (2"x1/8")   | ditto                 | 18.25  | 301.60    | ditto                | 59.95  | 989.25    |           |   |
| 74      | Supply and erection of 25 mm (1") dia and one metre long lightning conductor copper rod with 5 spikes on ball and base, etc. complete.               | Job                   | 347.60 | 2,615.60  | Job                  | 347.60 | 2,615.60  |           |   |
| 75      | Supply and erection of electric energy meter, including meter testing fee, etc.  |                       |        |           |                      |        |           | 38.1      |   |
|         | a) single phase:   |                       |        |           |                      |        |           |           |   |
|         | i) 1x10 Amp, 250 volts   | Each                  | 146.85 | 2,225.25  | Each                 | 146.85 | 2,225.25  |           |   |
|         | ii) 1x30 Amp, 250 volts  | ditto                 | 146.85 | 2,225.25  | ditto                | 146.85 | 2,225.25  |           |   |
|         | b) three phase, 4 wires:   |                       |        |           |                      |        |           |           |   |
|         | i) 3x15 Amp, 400 volts   | Each                  | 293.70 | 5,890.50  | Each                 | 293.70 | 5,890.50  |           |   |
|         | ii) 3x50 Amp, 400 volts  | ditto                 | 407.55 | 6,004.35  | ditto                | 407.55 | 6,004.35  |           |   |
|         | iii) 3x80 Amp, 400 volts   | ditto                 | 407.55 | 6,004.35  | ditto                | 407.55 | 6,004.35  |           |   |
| 76      | Rewinding of A.C. ceiling fan, capacitor type, including cost of wire, leatheride paper cotton tape, soldering, etc.                                 |                       |        |           |                      |        |           |           | The credit of out turn of dismantled material has been accounted for in the rate.             |
|         | i) 1200 mm (48") sweep, 275-300 RPM.   | Each                  | 277.20 | 877.20    | Each                 | 277.20 | 877.20    |           |   |
|         | ii) 1400 mm (56") sweep, 250-275 RPM.  | ditto                 | 305.65 | 1,008.25  | ditto                | 305.65 | 1,008.25  |           |   |
| 77      | Rewinding of A.C. exhaust fan, including cost of wire, leatheride paper, cotton tape, soldering, etc.  |                       |        |           |                      |        |           |           | The credit of out turn of dismantled material has been accounted for in the rate.             |
|         | i) 375 mm (15") sweep, and 1300-1500 RPM   | Each                  | 195.80 | 612.20    | Each                 | 195.80 | 612.20    |           |   |
|         | ii) 450 mm (18") sweep, and 1300-1500 RPM  | ditto                 | 195.80 | 690.80    | ditto                | 195.80 | 690.80    |           |   |
| 78      | Rewinding of pedestal fan 600 mm (24") sweep, and 900-950 RPM, including wire, leatheride paper, cotton, tape, etc.                                  | Each                  | 234.95 | 801.95    | Each                 | 234.95 | 801.95    |           | The credit of out turn of dismantled material has been accounted for in                       |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks  |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|--|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |  |
| 79      | Supply and fitting of regulator knob with shaft and plate of electric fan regulator.   | Each                  | 36.70  | 96.70     | Each                 | 36.70  | 96.70     | 38.1      | the rate.  |
| 80      | Supply and fitting of capacitor 2.2 uF, for ceiling fans.  | Each                  | 29.35  | 53.35     | Each                 | 29.35  | 53.35     | ditto     |  |
| 81      | Supply and fitting of ball bearing of size 6201, 6202 or 6203 for ceiling fans.  | Each                  | 36.70  | 156.70    | Each                 | 36.70  | 156.70    | ditto     |  |
| 82      | Rewinding regulator of ceiling fan 48"/56" (1200/1400 mm) sweep, to control 3/4 speeds.  | Each                  | 73.45  | 183.85    | Each                 | 73.45  | 183.85    |           | The credit out turn of dismantled material has been accounted for in the rate. |
| 83      | Erection of ceiling fan alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work, electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary. | Each                  | 135.70 | 172.75    | Each                 | 135.70 | 172.75    |           |  |



## 25. IRON WORK

The Rates for all finished works include the removal of surplus debris, unused material and byproducts.

| MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL |   |                       |         |           |                      |         |           |           |         |
|---|---|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
| Sr. No.   | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|   |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
|   | <b>Railway Track, etc.</b>  |                       |         |           |                      |         |           |           |         |
| 1   | Laying, linking and packing tramway line.   | 100Lft.               | 1173.30 |           | Metre                | 38.50   |           |           |         |
| 2   | Dismantling tramway track.  | 100Lft.               | 390.90  |           | Metre                | 12.80   |           |           |         |
| 3   | Laying, linking of B.G. track, including packing, straightening and leveling.   | 100Lft.               | 3042.60 |           | Metre                | 99.80   |           |           |         |
| 4   | Linking points and crossings, complete with fastenings.   | Each                  | 2964.05 |           | Each                 | 2964.05 |           |           |         |
| 5   | Bending or straightening B.G. rail with Jim Crow.   | Each Point            | 345.20  |           | Each Point           | 345.20  |           |           |         |
| 6   | Fixing street lamp posts.   | Each                  | 387.10  |           | Each                 | 387.10  |           |           |         |
| 7   | Binding ends of sleepers and timber of all sizes and kinds, including spreading and restacking.   | 100 Nos               | 3728.00 |           | 100 Nos              | 3728.00 |           |           |         |
| 8   | Opening stacks of sleepers and timber of all kinds and sizes, including spreading for inspection and restacking within one chain lead.  | 100 Nos               | 455.50  |           | 100 Nos              | 455.50  |           |           |         |
|   | <b><u>IRON WORK</u></b>   |                       |         |           |                      |         |           |           |         |
| 9   | Small iron work, such as gusset plates, knees, bends, stirrups, straps, rings, etc. including cutting, drilling, riveting, handling, assembling and fixing; but excluding erection in position.   | Per Cwt               | 2019.60 | 7546.40   | 100 Kg               | 3975.60 | 14855.15  |           |         |
| 10  | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, reworking, handling, assembling and fixing, but excluding erection in position. | Per Cwt               | 709.50  | 5965.30   | 100 Kg               | 1396.65 | 11742.75  |           |         |
| 11  | Erection and fitting in position iron trusses, staging of water tanks, etc.   | Per Cwt               | 231.75  |           | 100 Kg               | 456.15  |           |           |         |
| 12  | Fixing corrugated iron sheet, including reworking, etc.   | 100 Sft.              | 834.25  |           | sq.m                 | 89.75   |           |           |         |
| 13  | Erecting corrugated iron sheet tanks, upto 20'  | Per Cwt               | 386.05  |           | 100 Kg               | 759.95  |           |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |         |           | Spec. No. | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|---------|-----------|-----------|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour  | Composite |           |         |
|         | (6 m) height.   |                       |         |           |                      |         |           |           |         |
| 14      | Erecting rolled steel beams or old rails, in roofs, etc., erection and fixing in position.  | Per Cwt               | 229.90  |           | 100 Kg               | 452.55  |           |           |         |
| 15      | Erecting rolled steel beams or rails, erection for posts etc. (other than in roofs).  | Per Cwt               | 112.25  |           | 100 Kg               | 220.95  |           |           |         |
| 16      | Making bolts and nuts of iron rods.   | Per Cwt               | 1569.15 | 7706.90   | 100 Kg               | 3088.90 | 15171.00  |           |         |
| 17      | Cutting rails, rolled steel joists and beams, with hacksaw:-  |                       |         |           |                      |         |           |           |         |
|         | a) upto 6" size (150 mm)  | Per Cut               | 156.40  |           | Per Cut              | 156.40  |           |           |         |
|         | b) above 6" size (150 mm)   | Per Cut               | 232.05  |           | Per Cut              | 232.05  |           |           |         |
| 18      | Cutting rails or rolled steel beams of size below 6" (150 mm), with jim.  | Per Cut               | 74.50   |           | Per Cwt Cut          | 74.50   |           |           |         |
| 19      | Bending rolled steel beams or rails.  | Per Bend              | 78.70   | 330.60    | Per Bend             | 78.70   | 330.60    |           |         |
| 20      | Drilling holes, in plates upto ½" (13 mm) thick, per inch dia, (25mm) or part thereof.  | Per Hole              | 30.10   |           | Per Hole             | 30.10   |           |           |         |
| 21      | Extra for drilling holes in plates over ½" (13 mm) thick, per inch dia, (25 mm) or part thereof.  | Per Hole              | 16.40   |           | Per Hole             | 16.40   |           |           |         |
| 22      | Rivetting 1/8" dia (3 mm).  | 100 Nos               | 382.25  |           | 100 Nos              | 382.25  |           |           |         |
| 23      | Cutting out Rivets, all sizes.  | 100 Nos               | 1311.75 |           | 100 Nos              | 1311.75 |           |           |         |
| 24      | Fitting and erection of gutters of sheet iron.  | Per Lft.              | 49.80   |           | Metre                | 163.40  |           |           |         |
| 25      | Cutting and fixing iron bars, for barred windows.   | Per bar               | 29.80   |           | Per bar              | 29.80   |           |           |         |
| 26      | Cutting G.I. sheets.  | Each Cut              | 16.15   |           | Each Cut             | 16.15   |           |           |         |
| 27      | Notching web or foot of rail posts, for housing rail beams.   | Per Notch             | 349.80  | 517.80    | Per Notch            | 349.80  | 517.80    |           |         |
| 28      | Hoop iron netted trellis work fixed with nails.   | Per Sft.              | 20.85   |           | sq.m                 | 224.40  |           |           |         |
| 29      | Fixing zinc iron or G.I. sheet on table tops.   | Per Sft.              | 12.25   |           | sq.m                 | 132.00  |           |           |         |
| 30      | Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre. | Per Sft.              | 124.00  | 693.90    | sq.m                 | 1334.10 | 7466.55   |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |         |           | Spec. No.  | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|---------|-----------|--|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour  | Composite |  |         |
| 31      | Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and 3/4" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.   | Per Sft.              | 129.25 | 842.50    | sq.m                 | 1390.50 | 9065.05   |  |         |
| 32      | Making and fixing grating in opening, including fixing at site with flat iron 2"x3/8" (50x10 mm) and 3/4" (19 mm) square bars, at 4" (100 mm) centre to centre.   | Per Sft.              | 49.85  | 342.35    | sq.m                 | 536.60  | 3683.75   |  |         |
| 33      | Providing and fixing stair railing (all types and designs) of hard wood, including bends and corners, screwed to 5/8"x5/8" (16x16 mm) M.S. square bars 2.75 ft. (838 mm) high, at 5.5 inch (137 mm) inch centre to centre, fixed in steps of stairs, M.S. flat 1"x1/8" (25x3 mm) welded to bars, painting/polishing 3 coats, etc. complete.   | Per Rft.              | 259.30 | 753.15    | Metre                | 850.80  | 2470.95   | The composite rate shall be reduced or increased by Rs. 31.90 for each foot of reduction or addition in the height of the square bars. |         |
| 34      | Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4" high @ 5 1/2" c/c fixed in steps of stair I/C painting 3 coats complete.   | Per Rft.              | 136.70 | 532.00    | Metre                | 448.55  | 1745.35   |  |         |
| 35      | Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing.  | Per Rft.              | 98.80  | 564.90    | Metre                | 324.15  | 1853.35   |  | -do-    |
| 36      | Providing and fixing collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order. | Per Sft.              | 172.95 | 604.20    | sq.m                 | 1860.95 | 6501.05   |  |         |
| 37      | Providing and fixing 24 SWG G.I. sheet rolling shutter, consisting of steel frame of M.S. channel 2"x1 1/4"x1/8" (50x30x3 mm), angle iron 1 1/2"x1 1/2"x1/8" (40x40x3 mm), M.S. plate 1"x1'x1/8" (300x300x3 mm), G.I. pipe 1 1/2" (37 mm) dia, springs 2' (600 mm) centre to centre, rollers, 24 SWG G.I. covering 1 ft. x 1 ft. (300x300 mm), handles, holdfast, and painting three coats, complete in all respects.   | Per Sft.              | 40.45  | 218.00    | sq.m                 | 434.95  | 2345.80   |  |         |
| 38      | Providing and fixing M.S. angle iron 1 1/2"x1 1/2"x1/4"   | Per Rft.              | 20.75  | 140.15    | Metre                | 68.00   | 459.80    |  |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|--|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |  |         |
|         | (40x40x6 mm) edge protector nozing of steps of stairs, having holdfast or 3/8" (10 mm) dia M.S. bars 8" (200 mm) long welded at 2' (600 mm) centre to centre and embedded in cement concrete on steps, complete in all respects.   |                       |        |           |                      |        |           |  |         |
| 39      | Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats.   | Per Rft.              | 112.25 | 636.55    | Metre                | 368.25 | 2088.40   | The composite rate shall be reduced or increased by Rs. 31.90 for each foot of reduction or addition in the height of the square bars. |         |
| 40      | Providing and fixing G.I. wire gauze 24 SWG, 12x12 meshes per square inch, fixed to steel windows or doors, etc., complete in all respects.  | Per Sft.              | 19.60  | 57.90     | sq.m                 | 210.70 | 622.85    |  |         |
| 41      | Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3 mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc. as per approved design and as directed by the Engineer-in-charge:- |                       |        |           |                      |        |           | For fixed pannels, the composite rate will be reduced by Rs.30.00 per Sft. or Rs. 305.00 per Sq. metre.                                |         |
| a)      | without wire gauze:  |                       |        |           |                      |        |           |  |         |
|         | i) glass pane 2 mm thick   | Per Sft.              | 50.85  | 299.40    | sq.m                 | 547.30 | 3221.80   |  |         |
|         | ii) glass pane 2.5 mm thick  | ditto                 | 50.85  | 304.20    | ditto                | 547.30 | 3273.45   |  |         |
|         | iii) glass pane 3 mm thick   | ditto                 | 50.85  | 311.40    | ditto                | 547.30 | 3350.90   |  |         |
|         | iv) glass pane 4 mm thick  | ditto                 | 50.85  | 318.60    | ditto                | 547.30 | 3428.35   |  |         |
|         | v) glass pane 5 mm thick   | ditto                 | 50.85  | 323.40    | ditto                | 547.30 | 3480.00   |  |         |
| b)      | fixed with wire gauze, 22 SWG  |                       |        |           |                      |        |           |  |         |
|         | i) glass pane 2 mm thick   | Per Sft.              | 71.30  | 353.35    | sq.m                 | 767.15 | 3801.95   |  |         |
|         | ii) glass pane 2.5 mm thick  | ditto                 | 71.30  | 358.15    | ditto                | 767.15 | 3853.60   |  |         |
|         | iii) glass pane 3 mm thick   | ditto                 | 71.30  | 365.35    | ditto                | 767.15 | 3931.05   |  |         |
|         | iv) glass pane 4 mm thick  | ditto                 | 71.30  | 372.55    | ditto                | 767.15 | 4008.50   |  |         |
|         | v) glass pane 5 mm thick   | ditto                 | 71.30  | 377.35    | ditto                | 767.15 | 4060.15   |  |         |
| 42      | Providing and fixing steel windows using M.S. sheet (16 SWG) moulded tubular pipe 1½"x1½" (40x40mm) for frame and 1¼"x1¼" (30x30mm) for leaves including M.S. square bars ¼"x¼" (6x6 mm) welded around each panel of frame, 5 mm thick glass panes fixed with double M.S. square tubular pipe 3/8"x3/8" (10x10mm) (22 SWG)   |                       |        |           |                      |        |           |  |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|---|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |   | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
|         | beading with U' shaped rubber lining, brass fitting, holdfast, including painting three coats complete in all respects.   |                       |        |           |                      |        |           |           |         |
|         | a) For openable panels fixed with wire gauze 24 SWG, 12x12 mesh and glass panes ¼" (6 mm) thick.  | Per Sft.              | 51.00  | 294.50    | Sq.m                 | 548.70 | 3168.75   |           |         |
|         | b) For fixed panels without wire gauze.   | ditto                 | 49.55  | 177.35    | ditto                | 532.90 | 1908.10   |           |         |
| 43      | Providing and fixing windows consisting of M.S. box section frame 2"x1½" (50x40mm), leaves frame 1-½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.  | Per Sft.              | 52.60  | 366.20    | Sq.m                 | 565.80 | 3940.10   |           |         |
| 44      | Providing and fixing windows consisting of M.S. box section frame 2"x1½", (50x40mm) leaves frame 1½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat ½"x1/8" (13x3mm) or ¼"x¼" (6x6mm) square bar with independent frame of ½"x½" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect. | Per Sft.              | 65.05  | 424.50    | Per Sft.             | 700.00 | 4567.50   |           |         |
| 45      | Flapping G.I. pipes for bath room drains.   | Each                  | 440.55 | 478.95    | Each                 | 440.55 | 478.95    |           |         |
| 46      | Supply and fixing iron grating for fire place.  | Per Sft.              | 81.50  | 183.50    | sq.m                 | 877.05 | 1974.55   |           |         |
| 47      | Fixing copper flashing, including cutting of sheets, grooving and rivetting.  | Per Lft.              | 34.75  |           | Metre                | 114.00 |           |           |         |
| 48      | Providing and fixing angle iron railing, using 2½"x2½"x3/8" (63x63x10 mm) angle iron post 4½" (113 mm) long, 5' to 6' (1500 to 1800 mm) apart, with 2½"x2½"x3/8" (63x63x10 mm) angle iron top rail, and two rows of M.S. flat 2½"x¼" (63x6 mm) including fixing to side of Bridge/structure with U.bolt 1½' (450 mm) long ¾" (20 mm) dia, painting posts, etc. complete in all respects.  | Per Rft.              | 55.90  | 790.55    | Metre                | 183.35 | 2593.70   |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description   | Rate (British System) |         |           | Rate (Metric System) |        |           | Spec. No.  | Remarks |
|---------|---|-----------------------|---------|-----------|----------------------|--------|-----------|--|---------|
|         |   | Unit                  | Labour  | Composite | Unit                 | Labour | Composite |  |         |
| 49      | Providing and fixing barbed wire fencing on compound wall, consisting of 1½"x1½"x3/16" (40x40x5 mm), angle iron post ¾ ft. (990 mm) long, 5 to 6 ft. (1500 to 1800 mm) centre to centre, embedded in cement concrete 1:4:8, base of size 9"x9"x12" (225x225x300 mm), and three rows of barbed wire, painting posts, etc. complete in all respects.  | 100Rft.               | 1264.80 | 9610.15   | Metre                | 41.50  | 315.30    |  |         |
| 50      | Providing and fixing barbed wire fencing on compound wall, consisting of 1½"x1½"x3/16" (40x40x5mm) angle iron post 3' (900 mm) long, 4' (1200 mm) apart embedded in cement concrete 1:4:8 base of size 6"x6"x9" (150x150x225 mm) and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.  | 100Rft.               | 2102.90 | 12229.40  | Metre                | 69.00  | 401.25    |  |         |
| 51      | Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. | Per Sft               | 62.55   | 476.85    | sq. m                | 673.05 | 5130.90   | (1) Increase rate by Rs. 40.00 per Sft or Rs.430.50 per Sq-metre if sections thickness is 2 mm.<br>(2) Reduce rate by Rs.20.00 per Sft or Rs.215.20 per Sq-metre if sections are of dull aluminium shade.<br>(3) Reduce rate by Rs.20.00 per Sft or Rs.215.20 per Sq-metre if local glass is used. |         |
| 52      | Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan Cables having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.   | Per Sft               | 88.80   | 364.65    | sq. m                | 955.50 | 3923.65   | (1) Reduce rate by Rs.20.00 per Sft or Rs.215.20 per Sq-metre if section thickness is 1.2 mm.<br>(2) Reduce rate by Rs.20.00 per Sft or Rs.215.20 per Sq-metre if sections are of dull aluminium shade.<br>(3) Reduce rate by Rs.20.00 per Sft or Rs.215.20 per sq-metre if local glass is used.   |         |

## 26. MISCELLANEOUS

Rates for all finished works include the removal of surplus debris, unused material and byproducts.

| MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL |   |                       |          |           |                      |        |           |           |   |
|---|---|-----------------------|----------|-----------|----------------------|--------|-----------|-----------|---|
| Sr. No.   | Description   | Rate (British System) |          |           | Rate (Metric System) |        |           | Spec. No. | Remarks   |
|   |   | Unit                  | Labour   | Composite | Unit                 | Labour | Composite |           |   |
| 1   | Notice board made of cement, sand mortar 1:3.   | Per Sft.              | 44.80    | 53.30     | Per sq.m             | 482.00 | 573.45    |           | The board is to be of cement plaster ½" (13 mm) thick, with 2" (50 mm) wide and 1" (25 mm) thick beading.   |
| 2   | Fixing handles to iron hammers.   | Each                  | 61.20    | -         | Each                 | 61.20  | -         |           |   |
| 3   | Providing and fixing barbed wire fencing, with 4 horizontal and 2 number cross wires fixed with posts of R.C.C., 1:2:4 (straining posts 7'x9"x9" (2.13 mx225x225 mm) at 100' (30 m) centre to centre, stiffening posts 7'x6"x6" (2.13 mx150x150 mm) at 50 ft. (15 m) interval and intermediate post 7'x5"x5" (2.13 mx125x125 mm) at 8 ft.(2.4 m) centre to centre), including cost of steel, its fabrication and placing of steel reinforcement, eye bolts, washers, etc. complete. | 100Lft.               | 4,592.80 | 22,265.90 | L.m.                 | 150.70 | 730.50    |           | Vertical bars in straining and stiffening posts to be 4 No. each by ½" (13 mm) dia and for intermediate posts to be 4 No. of 3/8" (10 mm) dia Stirrups for all posts to be ¼" (6 mm) dia. at 12" (300 mm) centre to centre. |
| <b><u>Surveying</u></b>   |   |                       |          |           |                      |        |           |           |   |
| 4   | Supplying Bamboo Jhandies 10' to 12' (3.00 to 3.65 m) with iron shoes, and flags 15" (375mm) square.  | Each                  | 32.75    | 158.75    | Each                 | 32.75  | 158.75    |           |   |
| 5   | Supplying wooden pegs for levelling, 1½" (40 mm) dia, 6" (150mm) long.  | 100Nos.               | 97.90    | 115.05    | 100Nos.              | 97.90  | 115.05    |           |   |
| 6   | Supplying wooden pegs for alignment, 2" to 3" dia (50 to 75 mm), 9" (225 mm) long.  | 100Nos.               | 234.95   | 432.95    | 100Nos.              | 234.95 | 432.95    |           |   |
| 7   | Fixing enamelled iron gauges flush with masonry, including cost of hooks.   | Per Lft.              | 52.15    | 60.80     | Per L.M.             | 171.05 | 199.40    |           |   |
| 8   | Placing boundary pillars in position, including digging pits.   | Each                  | 34.75    | -         | Each                 | 34.75  | -         |           |   |
| 9   | Fixing main line type distance mark in position, including making 1:3:6 cement concrete base block, size 14"x10"x15" (350x250x375 mm).  | Each                  | 149.80   | 299.85    | Each                 | 149.80 | 299.85    |           | Composite rate does not include cost of iron distance marks.  |
| <b><u>Hand Pumps &amp; Pressure Pipes</u></b>                                   |   |                       |          |           |                      |        |           |           |   |
| 10  | Cutting pipes, upto 2" (50 mm) dia.   | Per cut               | 34.75    | -         | Per cut              | 34.75  | -         |           |   |



**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |        |           | Rate (Metric System) |        |           | Spec. No. | Remarks |
|---------|--|-----------------------|--------|-----------|----------------------|--------|-----------|-----------|---------|
|         |  | Unit                  | Labour | Composite | Unit                 | Labour | Composite |           |         |
| 11      | Cutting pipe, above 2" (50 mm) dia.  | Per cut               | 63.90  | -         | Per cut              | 63.90  | -         |           |         |
| 12      | Threading pipe ends, 1/2" (40 mm) to 4" (100 mm) dia.  | Each End              | 44.55  | -         | Each End             | 44.55  | -         |           |         |
| 13      | Assembling 1/2" (40 mm) dia pressure pipe.   | 100Lft.               | 158.80 | -         | Per Metre            | 5.20   | -         |           |         |
| 14      | Boring and fixing 1/2" (40 mm) dia pressure pipe:  |                       |        |           |                      |        |           |           |         |
|         | a) in ordinary soil  | Per Lft.              | 54.55  | -         | Per Metre            | 178.90 | -         |           |         |
|         | b) in clay   | Per Lft.              | 105.75 | -         | Per Metre            | 347.00 | -         |           |         |
|         | c) in shingle  | Per Lft.              | 157.00 | -         | Per Metre            | 515.10 | -         |           |         |
| 15      | Repairs to hand pump, pulling out and refitting.   | Per Lft.              | 24.10  | -         | Per Metre            | 79.05  | -         |           |         |
| 16      | Fixing hand pump (Machine only)  | Each                  | 117.50 | -         | Each                 | 117.50 | -         |           |         |
|         | <b><u>Rest House Furniture &amp; Fuel, etc.</u></b>  |                       |        |           |                      |        |           |           |         |
| 17      | Washing Niwar of bed.  | Per bed               | 341.55 | 371.80    | Per bed              | 341.55 | 371.80    |           |         |
| 18      | Washing Durries.   | 100Sft.               | 455.40 | 527.40    | sq.m                 | 49.00  | 56.75     |           |         |
| 19      | Recaning chairs:   |                       |        |           |                      |        |           |           |         |
|         | i) office chairs, single caning seat only.   | Each                  | 205.60 | 240.25    | Each                 | 205.60 | 240.25    |           |         |
|         | ii) office chairs, double caning seat only.  | Each                  | 264.35 | 313.30    | Each                 | 264.35 | 313.30    |           |         |
|         | iii) office chairs, single caning back only.   | Each                  | 146.85 | 149.05    | Each                 | 146.85 | 149.05    |           |         |
|         | iv) office chairs, double caning back only.  | Each                  | 234.95 | 253.75    | Each                 | 234.95 | 253.75    |           |         |
|         | v) easy chairs, single caning seat only.   | Each                  | 146.85 | 193.35    | Each                 | 146.85 | 193.35    |           |         |
|         | vi) easy chairs, double caning seat only.  | Each                  | 411.20 | 480.55    | Each                 | 411.20 | 480.55    |           |         |
|         | vii) easy chairs, single caning only, back and seat in one piece.  | Each                  | 587.40 | 873.00    | Each                 | 587.40 | 873.00    |           |         |
|         | viii) easy chairs, double caning back & seat in one piece or couches with caned area about 16 Sft (1.5 Sqm). | Each                  | 881.10 | 1,574.70  | Each                 | 881.10 | 1,574.70  |           |         |
| 20      | Making and fixing Hat pegs ordinary.   | Each                  | 105.75 | 437.75    | Each                 | 105.75 | 437.75    |           |         |
| 21      | Weaving charpoy.   | Each                  | 300.30 | -         | Each                 | 300.30 | -         |           |         |
| 22      | Sweeping chimney.  | Each                  | 75.90  | 77.20     | Each                 | 75.90  | 77.20     |           |         |
| 23      | Picture railing, including making, fixing and painting.  | Per Lft.              | 30.25  | 92.15     | Per LM               | 99.25  | 302.25    |           |         |
| 24      | Cutting fuel wood, from plantation.  | 100Kg                 | 101.65 | -         | 100Kg                | 101.65 | -         |           |         |
| 25      | Splitting fuel wood.   | 100Kg                 | 212.90 | -         | 100Kg                | 212.90 | -         |           |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System) |          |           | Rate (Metric System) |          |           | Spec. No.  | Remarks |
|---------|--|-----------------------|----------|-----------|----------------------|----------|-----------|--|---------|
|         |  | Unit                  | Labour   | Composite | Unit                 | Labour   | Composite |  |         |
| 26      | Burning charcoal, including loading, unloading and repairing kilns.  | 100Kg of Char-coal    | 334.40   | -         | 100Kg of Char-coal   | 334.40   | -         |  |         |
| 27      | Filling cement bags with coal and sewing (including cost of strings).  | 100Cft.               | 933.55   | 936.70    | cu.m                 | 329.75   | 330.85    |  |         |
| 28      | Supplying manure.  | Cart Load             | 113.85   | 245.85    | Cart Load            | 113.85   | 245.85    | Capacity of cart, 20 Cft. (0.57 cu.m).   |         |
| 29      | Washing punkha frills.   | Each                  | 92.40    | -         | Each                 | 92.40    | -         |  |         |
| 30      | Washing:-  |                       |          |           |                      |          |           |  |         |
|         | a) table cloth   | Each                  | 23.10    | -         | Each                 | 23.10    | -         |  |         |
|         | b) napkins, dusters, etc.  | Each                  | 15.40    | -         | Each                 | 15.40    | -         |  |         |
| 31      | Hoisting and placing sleepers for centring, including carriage within one chain.   | Each No.              | 41.50    | -         | Each No.             | 41.50    | -         |  |         |
| 32      | Dismantling sleepers from centring, including stacking within one chain.   | Each No.              | 45.60    | -         | Each No.             | 45.60    | -         |  |         |
| 33      | Dredging Sumps.  | Per Shift             | 1,707.75 | -         | Per Shift            | 1,707.75 | -         | Not less than five gangmen to be employed for each shift to ensure effective dredging. |         |
| 34      | Fixing 'U' bolt in masonry or concrete, including levelling and tying for fixing angle iron post.  | Each                  | 135.85   | -         | Each                 | 135.85   | -         |  |         |
| 35      | Bailing out water:-  |                       |          |           |                      |          |           |  |         |
|         | a) by hand   | 1000 Cft.             | 1,366.20 | -         | cu.m                 | 48.25    | -         | Rate includes cost of providing pump, POL and operation charges, etc.                  |         |
|         | b) by pump   | 1000 Cft.             | 162.95   | 303.75    | ditto                | 5.75     | 10.75     |  |         |
| 36      | Drilling holes in R.C. Trough.   | Per Nos.              | 86.90    | -         | Per Nos.             | 86.90    | -         |  |         |
| 37      | Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.   |                       |          |           |                      |          |           | The rate includes overlaps.  |         |
|         | i) 300 gauge (.003" thick)   | Per Sft.              | 0.70     | 2.25      | sq.m                 | 7.45     | 24.10     |  |         |
|         | ii) 500 gauge (.005" thick)  | Per Sft.              | 1.40     | 2.70      | sq.m                 | 14.90    | 28.85     |  |         |
| 38      | Laying 2" (50 mm) thick sand and bitumen carpet, on top of foundation of oil tank.   | 100Sft.               | 932.95   | 6,446.25  | sq.m                 | 100.40   | 693.60    |  |         |
| 39      | Cutting hole 4"x6" (100x150 mm) in stone masonry or brick wall with chisel, repairing masonry and removing debris within one chain lead. | Per Hole              | 148.95   | -         | Per Hole             | 148.95   | -         | Same rate to be paid for other type of masonry and R.C.C. work.                        |         |

**MRS, BI-ANNUAL PERIOD (1st AUGUST, 2012 TO 31st JANUARY, 2013) DISTRICT CHAKWAL**

| Sr. No. | Description  | Rate (British System)   |          |           | Rate (Metric System)   |        |           | Spec. No. | Remarks |
|---------|--|-------------------------|----------|-----------|------------------------|--------|-----------|-----------|---------|
|         |  | Unit                    | Labour   | Composite | Unit                   | Labour | Composite |           |         |
| 40      | Making 1½"x1½" (40x40 mm) groove in wall of stone or brick masonry in cement for fixing planks upto 9" (225 mm) deep.  | Per Plank               | 130.35   | -         | Per Plank              | 130.35 | -         |           |         |
| 41      | Drilling holes in stone or brick masonry upto 2" (50 mm) dia, per inch (25 mm) depth.  | Per hole per inch depth | 45.55    |           | Per hole per c.m depth | 18.20  |           |           |         |
| 42      | Spraying anti-termite liquid mixed with water in the ratio of 1:40.  | 100Sft. of each spray   | 58.75    | 197.10    | sq.m of each spray     | 6.30   | 21.20     |           |         |
| 43      | Providing and fixing barbed wire fencing, with 4 horizontal and two cross wires, with R.C.C. 1:2:4 posts, 5.5'x6"x9" (1.68mx150mmx225 mm) at 8 ft. (2.45 m) centre to centre, reinforced with 4 No. 3/8" (10 mm) dia vertical bars and 1/8" (3 mm) dia stirrups 12" (300 mm) centre to centre, complete in all respects. |                         |          |           |                        |        |           |           |         |
|         | i) without cement concrete base.   | 100Rft.                 | 5,392.60 | 21,811.65 | Per Metre              | 176.90 | 715.40    |           |         |
|         | ii) in cement concrete 1:4:8 base of size 12"x12"x21" (300x300x525 mm).  | 100Rft.                 | 5,920.80 | 23,708.20 | Per Metre              | 194.20 | 777.65    |           |         |

*Finance Department*