

**Office of the Engineer-in-Chief  
Public Health Engineering Department  
Chhattisgarh Raipur**

Memo No. ...09.../T.S./E.In.C./PHED/Raipur

Dated 28.01.2016

**Amendment No. 04/2015-16**

The separate rates excluding excise duty for Chapter No. – 03, 04, 06, 07, 08 & 17 is hereby added from the date of amendment in unified schedule of rates (Part – I) for water supply, sewerage works enforce from Dated 07.02.2013 in C.G. P.H.E.D.

The Amendment No. – 01/2013-14 issued by this office Letter No. 194/T.S./E.In.C./PHED/Raipur, Dated 12.12.2013 for chapter No. – 05 will remained unchanged.

The Amendment No. – 03/2015-16 issued vide this Office Memo No. 239/T.S./E.In.C./PHED/Raipur, Dated 27.11.2015 is hereby cancelled.

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**CHAPTER 3 – CAST IRON SOCKET AND SPIGOT PIPES AND SPECIALS WITH  
LEAD JOINTS**

**Rate excluding Excise Duty**

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                 | Unit | Rate (excluding Excise Duty) in Rs. |          |          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------|----------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                    | 3    | 4                                   |          |          |
| 3.29             | Providing, laying & jointing of following socket and spigot cast iron (Spun) pipes including testing of joints, cost of pipes and jointing materials etc. Complete [socket & spigot cast iron (spun) pipes shall conform to IS 1536 : 2001 and laying work shall conform to IS 3114 : 1994, pig lead shall conform to IS 782 : 1978] | RM   | LA Class                            | A Class  | B Class  |
|                  | 100 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 1427.00                             | 1562.00  | 1666.00  |
|                  | 125 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 1798.00                             | 1954.00  | 2144.00  |
|                  | 150 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 2181.00                             | 2380.00  | 2562.00  |
|                  | 200 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 3182.00                             | 3438.00  | 3714.00  |
|                  | 250 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 4262.00                             | 4640.00  | 4964.00  |
|                  | 300 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 5483.00                             | 5972.00  | 6446.00  |
|                  | 350 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 6876.00                             | 7435.00  | 8045.00  |
|                  | 400 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 8371.00                             | 9119.00  | 9829.00  |
|                  | 450 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 10305.00                            | 10494.00 | 12142.00 |
|                  | 500 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 12019.00                            | 13051.00 | 14096.00 |
|                  | 600 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 16160.00                            | 17585.00 | 19020.00 |
|                  | 700 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 20768.00                            | 22619.00 | 24417.00 |
|                  | 750 mm diameter                                                                                                                                                                                                                                                                                                                      | RM   | 23254.00                            | 25348.00 | 27486.00 |



|                  |    |          |          |          |
|------------------|----|----------|----------|----------|
| 800 mm diameter  | RM | 26093.00 | 28345.00 | 30650.00 |
| 900 mm diameter  | RM | 31710.00 | 34501.00 | 37354.00 |
| 1000 mm diameter | RM | 38049.00 | 41451.00 | 44761.00 |
| 1050 mm diameter | RM | 38664.00 | 46286.00 | 49736.00 |

#### CHAPTER 4 – CAST IRON TYTON PIPES WITH TYTON JOINTS

##### Rate excluding Excise Duty

| USOR Item No. | Particulars of Items                                                                                                                                                                                                                                                       | Unit | Rate (excluding Excise Duty) in Rs. |          |          |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------|----------|
| 1             | 2                                                                                                                                                                                                                                                                          | 3    | 4                                   |          |          |
| 4.5           | Providing, laying & jointing of cast iron tyton pipes with tyton joints including testing of joints, cost of pipes and jointing materials etc complete. [Cast iron (tyton) pipes shall conform to IS 1536 : 2001 and rubber sealing rings shall conform to IS 5382 : 1985] | RM   | LA Class                            | A Class  | B Class  |
|               | 100 mm diameter                                                                                                                                                                                                                                                            | RM   | 1355.00                             | 1488.00  | 1592.00  |
|               | 125 mm diameter                                                                                                                                                                                                                                                            | RM   | 1711.00                             | 1865.00  | 2054.00  |
|               | 150 mm diameter                                                                                                                                                                                                                                                            | RM   | 2078.00                             | 2275.00  | 2455.00  |
|               | 200 mm diameter                                                                                                                                                                                                                                                            | RM   | 3031.00                             | 3285.00  | 3558.00  |
|               | 250 mm diameter                                                                                                                                                                                                                                                            | RM   | 4079.00                             | 4454.00  | 4776.00  |
|               | 300 mm diameter                                                                                                                                                                                                                                                            | RM   | 5263.00                             | 5747.00  | 6217.00  |
|               | 350 mm diameter                                                                                                                                                                                                                                                            | RM   | 6621.00                             | 7174.00  | 7779.00  |
|               | 400 mm diameter                                                                                                                                                                                                                                                            | RM   | 8075.00                             | 8816.00  | 9520.00  |
|               | 450 mm diameter                                                                                                                                                                                                                                                            | RM   | 9886.00                             | 10074.00 | 11707.00 |
|               | 500 mm diameter                                                                                                                                                                                                                                                            | RM   | 11579.00                            | 12601.00 | 13638.00 |
|               | 600 mm diameter                                                                                                                                                                                                                                                            | RM   | 15579.00                            | 16991.00 | 18414.00 |
|               | 700 mm diameter                                                                                                                                                                                                                                                            | RM   | 20110.00                            | 21945.00 | 23728.00 |
|               | 750 mm diameter                                                                                                                                                                                                                                                            | RM   | 22519.00                            | 24595.00 | 26715.00 |
|               | 800 mm diameter                                                                                                                                                                                                                                                            | RM   | 25203.00                            | 27435.00 | 29720.00 |
|               | 900 mm diameter                                                                                                                                                                                                                                                            | RM   | 30679.00                            | 33445.00 | 36274.00 |
|               | 1000 mm diameter                                                                                                                                                                                                                                                           | RM   | 36872.00                            | 40244.00 | 43525.00 |

#### CHAPTER 6 – DUCTILE IRON PRESSURE PIPES AND SPECIAL WITH TYTON JOINTS

##### Rate excluding Excise Duty

| USOR Item No. | Particulars of Items                                                                                                                                                                                                                                                                                          | Unit | Rate (excluding Excise Duty) in Rs. |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|
| 1             | 2                                                                                                                                                                                                                                                                                                             | 3    | 4                                   |
| 6.50          | Providing, laying & jointing socket & spigot centrifugally cast (Spun) Ductile iron pressure pipes with inside cement mortar lining (Class K-7) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joints as per IS : 5382/85 including testing of joint (laying conforming to IS 12288 : 1987) |      |                                     |
|               | 100 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 720.00                              |
|               | 150 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 1051.00                             |
|               | 200 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 1608.00                             |
|               | 250 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 2125.00                             |
|               | 300 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 2631.00                             |
|               | 350 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 3346.00                             |
|               | 400 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 4280.00                             |
|               | 450 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 4986.00                             |
|               | 500 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 5816.00                             |

|  |                  |    |          |
|--|------------------|----|----------|
|  | 600 mm diameter  | RM | 7310.00  |
|  | 700 mm diameter  | RM | 10627.00 |
|  | 750 mm diameter  | RM | 12365.00 |
|  | 800 mm diameter  | RM | 13859.00 |
|  | 900 mm diameter  | RM | 16907.00 |
|  | 1000 mm diameter | RM | 20309.00 |
|  | 1100 mm diameter | RM | 22009.00 |
|  | 1200 mm diameter | RM | 23671.00 |
|  | 1400 mm diameter | RM | 25389.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                          | Unit | Rate (excluding<br>Excise Duty) in Rs. |  |  |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|--|--|
| 1                | 2                                                                                                                                                                                                                                                                                                             | 3    | 4                                      |  |  |
| 6.51             | Providing, laying & jointing socket & spigot centrifugally cast (Spun) Ductile iron pressure pipes with inside cement mortar lining (Class K-9) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joints as per IS : 5382/85 including testing of joint (laying conforming to IS 12288 : 1987) |      |                                        |  |  |
|                  | 100 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 915.00                                 |  |  |
|                  | 150 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 1357.00                                |  |  |
|                  | 200 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 1888.00                                |  |  |
|                  | 250 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 2509.00                                |  |  |
|                  | 300 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 3194.00                                |  |  |
|                  | 350 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 4354.00                                |  |  |
|                  | 400 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 4842.00                                |  |  |
|                  | 450 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 6074.00                                |  |  |
|                  | 500 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 7220.00                                |  |  |
|                  | 600 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 9479.00                                |  |  |
|                  | 700 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 12301.00                               |  |  |
|                  | 750 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 13769.00                               |  |  |
|                  | 800 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 15087.00                               |  |  |
|                  | 900 mm diameter                                                                                                                                                                                                                                                                                               | RM   | 18443.00                               |  |  |
|                  | 1000 mm diameter                                                                                                                                                                                                                                                                                              | RM   | 21718.00                               |  |  |
|                  | 1100 mm diameter                                                                                                                                                                                                                                                                                              | RM   | 24957.00                               |  |  |
|                  | 1200 mm diameter                                                                                                                                                                                                                                                                                              | RM   | 28150.00                               |  |  |
|                  | 1400 mm diameter                                                                                                                                                                                                                                                                                              | RM   | 31414.00                               |  |  |

## CHAPTER 7 – UNPLASTICIZED PVC (UPVC) FITTINGS FOR POTABLE WATER SUPPLY

### Rate excluding Excise Duty

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                               | Unit | Rate (excluding Excise Duty) in<br>Rs. |                      |                       |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|----------------------|-----------------------|
| 1                | 2                                                                                                                                                                                                                                                                  | 3    | 4                                      |                      |                       |
| 7.32             | Providing, laying & jointing of following UPVC pipes with solvent cement joint for 6, 8 & 10 kg/sq. Cm <sup>2</sup> pressure including testing of joints, cost of jointing materials etc. Complete in all respect.<br>[Conform to IS 4985:2000 and IS 7634 (PT-3)) | RM   | 6 kg/cm <sup>2</sup>                   | 8 kg/cm <sup>2</sup> | 10 kg/cm <sup>2</sup> |
|                  | 110 m.m. dia                                                                                                                                                                                                                                                       | RM   | 191.00                                 | 254.00               | 291.00                |
|                  | 140 m.m. dia                                                                                                                                                                                                                                                       | RM   | 318.00                                 | 439.00               | 481.00                |
|                  | 160 m.m. dia                                                                                                                                                                                                                                                       | RM   | 406.00                                 | 559.00               | 628.00                |
|                  | 180 m.m. dia                                                                                                                                                                                                                                                       | RM   | 505.00                                 | 712.00               | 776.00                |
|                  | 200 m.m. dia                                                                                                                                                                                                                                                       | RM   | 644.00                                 | 871.00               | 1008.00               |



|              |    |         |         |         |
|--------------|----|---------|---------|---------|
| 250 m.m. dia | RM | 1027.00 | 1386.00 | 1642.00 |
| 315 m.m. dia | RM | 1668.00 | 2145.00 | 2648.00 |

| USOR Item No. | Particulars of Items                                                                                                                                                                                 | Unit | Rate (excluding Excise Duty) in Rs. |                      |                       |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------------------|-----------------------|
| 1             | 2                                                                                                                                                                                                    | 3    | 4                                   |                      |                       |
| 7.33          | Providing, laying & jointing of following UPVC bends suitable for 6, 8 & 10 kg/sq. Cm <sup>2</sup> pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987] | Each | 6 kg/cm <sup>2</sup>                | 8 kg/cm <sup>2</sup> | 10 kg/cm <sup>2</sup> |
|               | 110 m.m. dia                                                                                                                                                                                         | Each | 139.00                              | 223.00               | 286.00                |
|               | 140 m.m. dia                                                                                                                                                                                         | Each | 429.00                              | 523.00               | 766.00                |
|               | 160 m.m. dia                                                                                                                                                                                         | Each | 618.00                              | 934.00               | 1004.00               |
|               | 180 m.m. dia                                                                                                                                                                                         | Each | 890.00                              | 1094.00              | 1555.00               |
|               | 200 m.m. dia                                                                                                                                                                                         | Each | 1205.00                             | 1791.00              | 1811.00               |
|               | 250 m.m. dia                                                                                                                                                                                         | Each | 2850.00                             | -                    | 4652.00               |
|               | 315 m.m. dia                                                                                                                                                                                         | Each | 5651.00                             | -                    | 9210.00               |

| USOR Item No. | Particulars of Items                                                                                                                                                                                          | Unit | Rate (excluding Excise Duty) in Rs. |                      |                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------------------|-----------------------|
| 1             | 2                                                                                                                                                                                                             | 3    | 4                                   |                      |                       |
| 7.34          | Providing, laying & jointing in position following UPVC tees, suitable for 6, 8 & 10 kg/sq. Cm <sup>2</sup> pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987] | Each | 6 kg/cm <sup>2</sup>                | 8 kg/cm <sup>2</sup> | 10 kg/cm <sup>2</sup> |
|               | 110 m.m. dia                                                                                                                                                                                                  | Each | 94.00                               | 126.00               | 138.00                |
|               | 140 m.m. dia                                                                                                                                                                                                  | Each | 162.00                              | 189.00               | 227.00                |
|               | 160 m.m. dia                                                                                                                                                                                                  | Each | 200.00                              | 327.00               | 392.00                |
|               | 180 m.m. dia                                                                                                                                                                                                  | Each | 396.00                              | 456.00               | 547.00                |
|               | 200 m.m. dia                                                                                                                                                                                                  | Each | 592.00                              | 668.00               | 749.00                |
|               | 250 m.m. dia                                                                                                                                                                                                  | Each | 669.00                              | 744.00               | 825.00                |
|               | 315 m.m. dia                                                                                                                                                                                                  | Each | 745.00                              | 821.00               | 901.00                |

| USOR Item No. | Particulars of Items                                                                                                                                                                                                          | Unit | Rate (excluding Excise Duty) in Rs. |                      |                       |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------------------|-----------------------|
| 1             | 2                                                                                                                                                                                                                             | 3    | 4                                   |                      |                       |
| 7.35          | Providing, laying & jointing in position following UPVC flanged tail pieces suitable for 6, 8 & 10 kg/sq. Cm <sup>2</sup> pressure pipes. [Conform to IS 4985 : 2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987] | Each | 6 kg/cm <sup>2</sup>                | 8 kg/cm <sup>2</sup> | 10 kg/cm <sup>2</sup> |
|               | 110 m.m. dia                                                                                                                                                                                                                  | Each | 56.00                               | 73.00                | 126.00                |
|               | 140 m.m. dia                                                                                                                                                                                                                  | Each | 94.00                               | 100.00               | 204.00                |
|               | 160 m.m. dia                                                                                                                                                                                                                  | Each | 113.00                              | 146.00               | 232.00                |
|               | 180 m.m. dia                                                                                                                                                                                                                  | Each | 132.00                              | 173.00               | 299.00                |
|               | 200 m.m. dia                                                                                                                                                                                                                  | Each | 162.00                              | 209.00               | 378.00                |
|               | 250 m.m. dia                                                                                                                                                                                                                  | Each | 193.00                              | 246.00               | 457.00                |
|               | 315 m.m. dia                                                                                                                                                                                                                  | Each | 224.00                              | 283.00               | 537.00                |

| USOR Item No. | Particulars of Items                                                                                                                                                       | Unit | Rate (excluding Excise Duty) in Rs. |                      |                       |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------------------|-----------------------|
| 1             | 2                                                                                                                                                                          | 3    | 4                                   |                      |                       |
| 7.36          | Providing, laying & jointing in position following UPVC end Cap (plugs) suitable for 6, 8 & 10 kg/sq. Cm <sup>2</sup> pressure pipes. [Conform to IS 4985:2000 and IS 7634 | Each | 6 kg/cm <sup>2</sup>                | 8 kg/cm <sup>2</sup> | 10 kg/cm <sup>2</sup> |



|  |                                              |      |        |        |        |
|--|----------------------------------------------|------|--------|--------|--------|
|  | (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987] |      |        |        |        |
|  | 110 m.m. dia                                 | Each | 25.00  | 30.00  | 40.00  |
|  | 140 m.m. dia                                 | Each | 33.00  | 51.00  | 77.00  |
|  | 160 m.m. dia                                 | Each | 65.00  | 76.00  | 103.00 |
|  | 180 m.m. dia                                 | Each | 84.00  | 117.00 | 163.00 |
|  | 200 m.m. dia                                 | Each | 120.00 | 135.00 | 176.00 |
|  | 250 m.m. dia                                 | Each | 155.00 | 171.00 | 212.00 |
|  | 315 m.m. dia                                 | Each | 192.00 | 208.00 | 248.00 |

| USOR Item No. | Particulars of Items                                                                                                                                                                                  | Unit | Rate (excluding Excise Duty) in Rs. |                      |                       |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------------------|-----------------------|
| 1             | 2                                                                                                                                                                                                     | 3    | 4                                   |                      |                       |
| 7.37          | Providing & laying in position following UPVC coupler suitable for 6, 8 & 10 kg/sq. Cm <sup>2</sup> pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987] | Each | 6 kg/cm <sup>2</sup>                | 8 kg/cm <sup>2</sup> | 10 kg/cm <sup>2</sup> |
|               | 110 m.m. dia                                                                                                                                                                                          | Each | 55.00                               | 69.00                | 86.00                 |
|               | 140 m.m. dia                                                                                                                                                                                          | Each | 106.00                              | 146.00               | 163.00                |
|               | 160 m.m. dia                                                                                                                                                                                          | Each | 147.00                              | 181.00               | 233.00                |
|               | 180 m.m. dia                                                                                                                                                                                          | Each | 217.00                              | 293.00               | 325.00                |
|               | 200 m.m. dia                                                                                                                                                                                          | Each | 279.00                              | 365.00               | 461.00                |
|               | 250 m.m. dia                                                                                                                                                                                          | Each | 636.00                              | -                    | 1031.00               |
|               | 315 m.m. dia                                                                                                                                                                                          | Each | 1263.00                             | -                    | 2053.00               |

| USOR Item No. | Particulars of Items                                                                                                                                                                                   | Unit | Rate (excluding Excise Duty) in Rs. |                      |                       |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------------------|-----------------------|
| 1             | 2                                                                                                                                                                                                      | 3    | 4                                   |                      |                       |
| 7.38          | Providing & laying in position following UPVC Reducers suitable for 6, 8 & 10 kg/sq. Cm <sup>2</sup> pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987] | Each | 6 kg/cm <sup>2</sup>                | 8 kg/cm <sup>2</sup> | 10 kg/cm <sup>2</sup> |
|               | 110 x 90 m.m. dia                                                                                                                                                                                      | Each | 39.00                               | 41.00                | 55.00                 |
|               | 140 x 90 m.m. dia                                                                                                                                                                                      | Each | 52.00                               | 61.00                | 68.00                 |
|               | 160 x 90 m.m. dia                                                                                                                                                                                      | Each | 58.00                               | 89.00                | 79.00                 |
|               | 140 x 110 m.m. dia                                                                                                                                                                                     | Each | 53.00                               | 78.00                | 86.00                 |
|               | 160 x 110 m.m. dia                                                                                                                                                                                     | Each | 67.00                               | 90.00                | 122.00                |
|               | 160 x 140 m.m. dia                                                                                                                                                                                     | Each | 71.00                               | 143.00               | 172.00                |
|               | 180 x 90 m.m. dia                                                                                                                                                                                      | Each | 87.00                               | 111.00               | 133.00                |
|               | 180 x 110 m.m. dia                                                                                                                                                                                     | Each | 92.00                               | 141.00               | 190.00                |
|               | 180 x 140 m.m. dia                                                                                                                                                                                     | Each | 107.00                              | 164.00               | 222.00                |
|               | 180 x 160 m.m. dia                                                                                                                                                                                     | Each | 121.00                              | 183.00               | 246.00                |
|               | 200 x 110 m.m. dia                                                                                                                                                                                     | Each | 141.00                              | 155.00               | 210.00                |
|               | 200 x 140 m.m. dia                                                                                                                                                                                     | Each | 181.00                              | 177.00               | 214.00                |
|               | 200 x 160 m.m. dia                                                                                                                                                                                     | Each | 191.00                              | 208.00               | 225.00                |
|               | 200 x 180 m.m. dia                                                                                                                                                                                     | Each | 214.00                              | 222.00               | 266.00                |
|               | 250 x 200 m.m. dia                                                                                                                                                                                     | Each | 349.00                              | 481.00               | 613.00                |
|               | 315 x 250 m.m. dia                                                                                                                                                                                     | Each | 626.00                              | 850.00               | 1075.00               |

## CHAPTER 8 – PIPE APPURTENANCES – C.I. & D.I. VALVES, MJ SPECIALS

### Rate excluding Excise Duty

| USOR Item No. | Particulars of Items                           | Unit | Rate (excluding Excise Duty) in Rs. |        |
|---------------|------------------------------------------------|------|-------------------------------------|--------|
| 1             | 2                                              | 3    | 4                                   |        |
| 8.34          | Providing & fixing of Cast iron double flanged | Each | PN-1.0                              | PN-1.6 |

|  |                                                                                                                                                                                                      |      |           |            |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|------------|
|  | sluice valves as per I.S.:14846-2000 fitted with cast iron cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (Steel Spindle) |      |           |            |
|  | 100mm dia                                                                                                                                                                                            | Each | 3961.00   | 4259.00    |
|  | 125mm dia                                                                                                                                                                                            | Each | 4339.00   | 4585.00    |
|  | 150mm dia                                                                                                                                                                                            | Each | 5838.00   | 6484.00    |
|  | 200mm dia                                                                                                                                                                                            | Each | 10226.00  | 11361.00   |
|  | 250 mm dia                                                                                                                                                                                           | Each | 15182.00  | 15732.00   |
|  | 300mm dia                                                                                                                                                                                            | Each | 18752.00  | 20364.00   |
|  | 350mm dia                                                                                                                                                                                            | Each | 33465.00  | 35835.00   |
|  | 400mm dia                                                                                                                                                                                            | Each | 40530.00  | 43710.00   |
|  | 450mm dia                                                                                                                                                                                            | Each | 47523.00  | 51238.00   |
|  | 500mm dia                                                                                                                                                                                            | Each | 78386.00  | 128145.00  |
|  | 600mm dia                                                                                                                                                                                            | Each | 91197.00  | 148448.00  |
|  | 700 mm dia.                                                                                                                                                                                          | Each | 211703.00 | 264088.00  |
|  | 750 mm dia.                                                                                                                                                                                          | Each | 228827.00 | 285436.00  |
|  | 800 mm dia.                                                                                                                                                                                          | Each | 246677.00 | 307723.00  |
|  | 900 mm dia.                                                                                                                                                                                          | Each | 323660.00 | 403927.00  |
|  | 1000 mm dia.                                                                                                                                                                                         | Each | 423467.00 | 528659.00  |
|  | 1100 mm dia.                                                                                                                                                                                         | Each | 712047.00 | 928051.00  |
|  | 1200 mm dia.                                                                                                                                                                                         | Each | 874944.00 | 1110439.00 |

| USOR Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                   | Unit | Rate (excluding Excise Duty) in Rs. |          |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------|
| 1             | 2                                                                                                                                                                                                                                                                                                                                                                      | 3    | 4                                   |          |
| 8.35          | Supply of Single Chamber D.I. Air valve with body and cover in ductile iron of grade SG 50 or equivalent grade as per I.S. 3896-part2-1985 and subsequent revisions. All internal parts such as float shell etc. all cover bolts of stainless steel and gaskets and seals of EPDM. Epoxy powder coating (EP-P) inside and outside colour blue. Drilled as per IS:1538. | Each | P.N. 1.0/1.6                        | P.N. 2.5 |
|               | Dia (in mm)                                                                                                                                                                                                                                                                                                                                                            |      | P.N. 1.0/1.6                        | P.N. 2.5 |
|               | 100                                                                                                                                                                                                                                                                                                                                                                    | Each | 47189.00                            | 58986.00 |
|               | 150                                                                                                                                                                                                                                                                                                                                                                    | Each | 61346.00                            | 76682.00 |
|               | 200                                                                                                                                                                                                                                                                                                                                                                    | Each | 69475.00                            | 86844.00 |

| USOR Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unit | Rate (excluding Excise Duty) in Rs. |          |          |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|----------|----------|
| 1             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3    | 4                                   |          |          |
| 8.36          | Supply of DI D/F Swing Check Valves Slanted/ Straight scated with metallic, corrosion proof and wear resistant seat faces, body and disc of ductile cast iron GGG 50/SG Iron 420/12 or equivalent grade as per IS 3896 (part-2) - 1985 and subsequent revisions. Shafts of stainless steel, shaft bearing of zinc free bronze and seat faces with nickel weld over lay, micro finished. All the inside and outside of the body is to be coated with double coating of Epoxy liquid. Drilled as per IS:1538. | Each | P.N. 1.0                            | P.N. 1.6 | P.N. 2.5 |
|               | (Dia in mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | P.N. 1.0                            | P.N. 1.6 | P.N. 2.5 |
|               | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each | 12641.00                            | 13905.00 | 15991.00 |
|               | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each | 23907.00                            | 26298.00 | 30243.00 |
|               | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each | 40672.00                            | 44739.00 | 51450.00 |

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|--|-----|------|-----------|-----------|-----------|
|  | 250 | Each | 57032.00  | 62736.00  | 72146.00  |
|  | 300 | Each | 82506.00  | 90757.00  | 104370.00 |
|  | 350 | Each | 136702.00 | 150372.00 | 172928.00 |
|  | 400 | Each | 159215.00 | 175136.00 | 201407.00 |
|  | 500 | Each | 260628.00 | 286691.00 | 329695.00 |
|  | 600 | Each | 361121.00 | 367302.00 | 422398.00 |
|  | 700 | Each | 639680.00 | 654251.00 | 752389.00 |
|  | 800 | Each | 652133.00 | 668459.00 | 768727.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3    | 4                                      |
| 8.37             | Supply of DI D/F Sluice Valves Slanted/Straight seated with metallic, corrosion proof and wear resistant seat faces, body and disc of ductile cast iron GGG 50/SG Iron 420/12 or equivalent grade as per IS 3896 (part-2) - 1985 and subsequent revisions. Shafts of stainless steel, shaft bearing of zinc free bronze and seat faces with nickel weld over lay, micro finished. All the inside and outside of the body is to be coated with double coating of Epoxy liquid. Drilled as per IS : 1538. | Each | PN 1.6                                 |
|                  | 100mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 5194.00                                |
|                  | 125mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 6198.00                                |
|                  | 150mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 8293.00                                |
|                  | 200mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 10414.00                               |
|                  | 250mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 19686.00                               |
|                  | 300mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 29430.00                               |
|                  | 350mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 36653.00                               |
|                  | 400mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 67686.00                               |
|                  | 450mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 83235.00                               |
|                  | 500mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 103281.00                              |
|                  | 600mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 113715.00                              |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                          | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                             | 3    | 4                                      |
| 8.38(a)          | Providing & fixing cast iron double flanged single door reflux (non return) valves including jointing & testing with cost of jointing material such as bolts, nuts and rubber insertion all complete as per IS :5312 (Part I) | Each | PN- 1.0                                |
|                  | 100mm dia                                                                                                                                                                                                                     | Each | 2350.00                                |
|                  | 150mm dia                                                                                                                                                                                                                     | Each | 3857.00                                |
|                  | 200mm dia                                                                                                                                                                                                                     | Each | 6891.00                                |
|                  | 250mm dia                                                                                                                                                                                                                     | Each | 9758.00                                |
|                  | 300mm dia                                                                                                                                                                                                                     | Each | 13564.00                               |
|                  | 350mm dia                                                                                                                                                                                                                     | Each | 24756.00                               |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                           | Unit | Rate (excluding Excise<br>Duty) in Rs. |           |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|-----------|
| 1                | 2                                                                                                                                                                                                                              | 3    | 4                                      |           |
| 8.38(b)          | Providing & fixing cast iron double flanged multi door reflux (non return) valves including jointing & testing with cost of jointing material such as bolts, nuts and rubber insertion all complete as per IS : 5312 (Part II) | Each | PN- 0.6                                | PN- 1.0   |
|                  | 400mm dia                                                                                                                                                                                                                      | Each | 53262.00                               | 59085.00  |
|                  | 450mm dia                                                                                                                                                                                                                      | Each | 67506.00                               | 73329.00  |
|                  | 500mm dia                                                                                                                                                                                                                      | Each | 94443.00                               | 112435.00 |
|                  | 600mm dia                                                                                                                                                                                                                      | Each | 140874.00                              | 159902.00 |

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|--|------------|------|-----------|-----------|
|  | 700mm dia  | Each | 165612.00 | 222104.00 |
|  | 750mm dia  | Each | 256587.00 | 269018.00 |
|  | 800mm dia  | Each | 293852.00 | 318026.00 |
|  | 900mm dia  | Each | 342762.00 | 366936.00 |
|  | 1000mm dia | Each | 392543.00 | 416692.00 |
|  | 1100mm dia | Each | 442853.00 | 467015.00 |
|  | 1200mm dia | Each | 493717.00 | 517879.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                            | Unit | Rate (excluding Excise<br>Duty) in Rs. |            |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|------------|
| 1                | 2                                                                                                                                                                                                                                               | 3    | 4                                      |            |
| 8.39             | Providing & fixing cast iron butterfly valves including jointing & testing with cost of jointing material such as bolts, nuts and rubber insertion all complete as per IS :13095-1991. <b>(Valves above 200 mm dia should be gear operated)</b> | Each | PN- 1.0                                | PN- 1.6    |
|                  | 100mm dia                                                                                                                                                                                                                                       | Each | 3028.00                                | 3057.00    |
|                  | 150mm dia                                                                                                                                                                                                                                       | Each | 4146.00                                | 4165.00    |
|                  | 200mm dia                                                                                                                                                                                                                                       | Each | 7894.00                                | 7913.00    |
|                  | 250mm dia                                                                                                                                                                                                                                       | Each | 12168.00                               | 12187.00   |
|                  | 300mm dia                                                                                                                                                                                                                                       | Each | 16513.00                               | 16513.00   |
|                  | 350mm dia                                                                                                                                                                                                                                       | Each | 26580.00                               | 26580.00   |
|                  | 400mm dia                                                                                                                                                                                                                                       | Each | 35165.00                               | 35165.00   |
|                  | 450mm dia                                                                                                                                                                                                                                       | Each | 43720.00                               | 43720.00   |
|                  | 500mm dia                                                                                                                                                                                                                                       | Each | 87304.00                               | 87304.00   |
|                  | 600mm dia                                                                                                                                                                                                                                       | Each | 110303.00                              | 110303.00  |
|                  | 700mm dia                                                                                                                                                                                                                                       | Each | 276909.00                              | 276909.00  |
|                  | 750mm dia                                                                                                                                                                                                                                       | Each | 361144.00                              | 361144.00  |
|                  | 800mm dia                                                                                                                                                                                                                                       | Each | 398416.00                              | 398416.00  |
|                  | 900mm dia                                                                                                                                                                                                                                       | Each | 471431.00                              | 471431.00  |
|                  | 1000mm dia                                                                                                                                                                                                                                      | Each | 760049.00                              | 615832.00  |
|                  | 1100mm dia                                                                                                                                                                                                                                      | Each | 760233.00                              | 760233.00  |
|                  | 1200mm dia                                                                                                                                                                                                                                      | Each | 904626.00                              | 904626.00  |
|                  | 1400mm dia                                                                                                                                                                                                                                      | Each | 1069558.00                             | 1049219.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                | Unit | Rate (excluding Excise<br>Duty) in Rs. |         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|---------|
| 1                | 2                                                                                                                                                                                                                                   | 3    | 4                                      |         |
| 8.40             | Providing & fixing cast iron double air valves, flanged without in-built isolating valve as per IS : 14845-2000 including jointing & testing with cost of jointing material and rubber insertion all complete as per IS :13095-1991 | Each | PN- 1.0                                | PN- 1.6 |
|                  | 100mm dia                                                                                                                                                                                                                           | Each | 3034.00                                | 3346.00 |
|                  | 150mm dia                                                                                                                                                                                                                           | Each | 4146.00                                | 5660.00 |
|                  | 200mm dia                                                                                                                                                                                                                           | Each | 7825.00                                | 8932.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                             | Unit | Rate (excluding Excise<br>Duty) in Rs. |          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|----------|
| 1                | 2                                                                                                                                                                                                                                | 3    | 4                                      |          |
| 8.41             | Providing & fixing cast iron double air valves, flanged with in-built isolating valve as per IS : 14845-2000 including jointing & testing with cost of jointing material and rubber insertion all complete as per IS :13095-1991 |      | PN- 1.0                                | PN- 1.6  |
|                  | 100mm dia                                                                                                                                                                                                                        | Each | 2240.00                                | 6608.00  |
|                  | 150mm dia                                                                                                                                                                                                                        | Each | 4088.00                                | 11310.00 |
|                  | 200mm dia                                                                                                                                                                                                                        | Each | 8466.00                                | 18367.00 |

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| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                           | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                              | 3    | 4                                      |
| 8.42             | Providing and fixing of cast iron plain ended sluice valves as per IS : 14846-2000 fitted with cast iron cap including jointing and testing with cost of jointing material C.I. detachable joints Conforming to IS 8794/1988 with bolts, nuts and rubber rings Conforming to IS 5382/85 & IS-10292/88 (Class 10) all complete. |      | PN- 1.0                                |
|                  | 100mm dia                                                                                                                                                                                                                                                                                                                      | Each | 4425.00                                |
|                  | 150mm dia                                                                                                                                                                                                                                                                                                                      | Each | 6706.00                                |
|                  | 200mm dia                                                                                                                                                                                                                                                                                                                      | Each | 11495.00                               |
|                  | 300mm dia                                                                                                                                                                                                                                                                                                                      | Each | 20797.00                               |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                                         | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                                                                            | 3    | 4                                      |
| 8.43             | Providing and supply of Cast Iron Sluice Gate Square type Cast Iron Wall Thimble mounted, Manually operated, CL-PL : 5.50 Meter, Class – I, Flush Bottom Closure as per IS-13349 duly tested inclusive of all taxes related to central, state and municipal, inclusive of excise duty, inspection charges, transportation charges, transit insurance, loading/ unloading and stacking at site etc, complete. |      |                                        |
| 8.22.1           | 300X300 mm.                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 166943.00                              |
| 8.22.2           | 400X400 mm.                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 186671.00                              |
| 8.22.3           | 500X500 mm.                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 219456.00                              |
| 8.22.4           | 600X600 mm.                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 245571.00                              |
| 8.22.5           | 700X700 mm.                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 250304.00                              |
| 8.22.6           | 800X800 mm.                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 292018.00                              |
| 8.22.7           | 900X900 mm.                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 321090.00                              |
| 8.22.8           | 1000X1000 mm.                                                                                                                                                                                                                                                                                                                                                                                                | Each | 366876.00                              |
| 8.22.9           | 1100X1100 mm.                                                                                                                                                                                                                                                                                                                                                                                                | Each | 382672.00                              |
| 8.22.10          | 1200X1200 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 442114.00                              |
| 8.22.11          | 1300X1300 mm.                                                                                                                                                                                                                                                                                                                                                                                                | Each | 496837.00                              |
| 8.22.12          | 1400X1400 mm.                                                                                                                                                                                                                                                                                                                                                                                                | Each | 602098.00                              |
| 8.22.13          | 1500X1500 mm.                                                                                                                                                                                                                                                                                                                                                                                                | Each | 633483.00                              |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3    | 4                                      |
| 8.44             | Providing and Supply of C.I. Mechanical Compression flanged /socket tail piece (Popularly known as 1TM Flanged/ Socket Tailpiece) suitable for making flanged connection with the plain barrel of C.I. Spun Pipes (as per IS- 1536/2001) and D.I. Pipes (as per IS 8329/2000). The Tailpiece to be supplied complete with sealing rubber gasket of S.B.R., C.I. Follower Glands and M.S. Nut Bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS : 1538/1993. |      |                                        |
|                  | 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 1111.00                                |
|                  | 125 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 1532.00                                |
|                  | 150 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 1871.00                                |
|                  | 200 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 2252.00                                |
|                  | 250 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 3506.00                                |
|                  | 300 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 4318.00                                |
|                  | 350 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 5706.00                                |

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|--------|------|----------|
| 400 mm | Each | 6580.00  |
| 450 mm | Each | 8122.00  |
| 500 mm | Each | 9819.00  |
| 600 mm | Each | 15268.00 |
| 700 mm | Each | 21488.00 |
| 750 mm | Each | 24675.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                                                                      | 3    | 4                                      |
| 8.45             | Supply of C. I. Mechanical Compression Collar Coupling (Popularly known as Jiffy TM collar coupling) suitable for C.I.Spun pipe (as per IS 1536/2001) and D.I. pipes (as per IS 8329/2000). complete with sealing rubber gasket of SBR, C.I., Follower Glands and M.S. Nut Bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS : 1538/1993. |      |                                        |
|                  | 100 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 884.00                                 |
|                  | 125 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 1223.00                                |
|                  | 150 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 1450.00                                |
|                  | 200 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 1943.00                                |
|                  | 250 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 2653.00                                |
|                  | 300 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 3454.00                                |
|                  | 350 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 4884.00                                |
|                  | 400 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 5809.00                                |
|                  | 450 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 7505.00                                |
|                  | 500 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 8790.00                                |
|                  | 600 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 12903.00                               |
|                  | 700 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 17889.00                               |
|                  | 750 mm                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 20974.00                               |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                         | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                            | 3    | 4                                      |
| 8.46             | Supply of C. I. Mechanical Joint Double Socket 90°(1/4) Bends as dimensionally described in Table 14 of IS-13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes. |      |                                        |
|                  | 100 mm                                                                                                                                                                                                                                                                                                                                       | Each | 2776.00                                |
|                  | 125 mm                                                                                                                                                                                                                                                                                                                                       | Each | 3701.00                                |
|                  | 150 mm                                                                                                                                                                                                                                                                                                                                       | Each | 4647.00                                |
|                  | 200 mm                                                                                                                                                                                                                                                                                                                                       | Each | 6899.00                                |
|                  | 250 mm                                                                                                                                                                                                                                                                                                                                       | Each | 9890.00                                |
|                  | 300 mm                                                                                                                                                                                                                                                                                                                                       | Each | 13787.00                               |
|                  | 350 mm                                                                                                                                                                                                                                                                                                                                       | Each | 21539.00                               |
|                  | 400 mm                                                                                                                                                                                                                                                                                                                                       | Each | 27451.00                               |
|                  | 450 mm                                                                                                                                                                                                                                                                                                                                       | Each | 34185.00                               |
|                  | 500 mm                                                                                                                                                                                                                                                                                                                                       | Each | 42358.00                               |
|                  | 600 mm                                                                                                                                                                                                                                                                                                                                       | Each | 62253.00                               |
|                  | 700 mm                                                                                                                                                                                                                                                                                                                                       | Each | 94895.00                               |
|                  | 750 mm                                                                                                                                                                                                                                                                                                                                       | Each | 112270.00                              |

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| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                             | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                | 3    | 4                                      |
| 8.47             | Supply of CI Mechanical joint Double Socket Socket45° (1/8) Bends as dimensionally described in Table 14 of IS-13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes. |      |                                        |
|                  | 100 mm                                                                                                                                                                                                                                                                                                                                           | Each | 2581.00                                |
|                  | 125 mm                                                                                                                                                                                                                                                                                                                                           | Each | 3290.00                                |
|                  | 150 mm                                                                                                                                                                                                                                                                                                                                           | Each | 4123.00                                |
|                  | 200 mm                                                                                                                                                                                                                                                                                                                                           | Each | 5973.00                                |
|                  | 250 mm                                                                                                                                                                                                                                                                                                                                           | Each | 8256.00                                |
|                  | 300 mm                                                                                                                                                                                                                                                                                                                                           | Each | 11535.00                               |
|                  | 350 mm                                                                                                                                                                                                                                                                                                                                           | Each | 17427.00                               |
|                  | 400 mm                                                                                                                                                                                                                                                                                                                                           | Each | 22002.00                               |
|                  | 450 mm                                                                                                                                                                                                                                                                                                                                           | Each | 26474.00                               |
|                  | 500 mm                                                                                                                                                                                                                                                                                                                                           | Each | 32334.00                               |
|                  | 600 mm                                                                                                                                                                                                                                                                                                                                           | Each | 45597.00                               |
|                  | 700 mm                                                                                                                                                                                                                                                                                                                                           | Each | 68987.00                               |
|                  | 750 mm                                                                                                                                                                                                                                                                                                                                           | Each | 81119.00                               |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                             | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                | 3    | 4                                      |
| 8.48             | Supply of C. I. Mechanical Joint Double Socket 22.5°(1/16) Bends as dimensionally described in Table 14 of IS- 13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes. |      |                                        |
|                  | 100 mm                                                                                                                                                                                                                                                                                                                                           | Each | 2467.00                                |
|                  | 125 mm                                                                                                                                                                                                                                                                                                                                           | Each | 3105.00                                |
|                  | 150 mm                                                                                                                                                                                                                                                                                                                                           | Each | 3917.00                                |
|                  | 200 mm                                                                                                                                                                                                                                                                                                                                           | Each | 5459.00                                |
|                  | 250 mm                                                                                                                                                                                                                                                                                                                                           | Each | 7402.00                                |
|                  | 300 mm                                                                                                                                                                                                                                                                                                                                           | Each | 10199.00                               |
|                  | 350 mm                                                                                                                                                                                                                                                                                                                                           | Each | 15370.00                               |
|                  | 400 mm                                                                                                                                                                                                                                                                                                                                           | Each | 18660.00                               |
|                  | 450 mm                                                                                                                                                                                                                                                                                                                                           | Each | 22310.00                               |
|                  | 500 mm                                                                                                                                                                                                                                                                                                                                           | Each | 27245.00                               |
|                  | 600 mm                                                                                                                                                                                                                                                                                                                                           | Each | 36858.00                               |
|                  | 700 mm                                                                                                                                                                                                                                                                                                                                           | Each | 53976.00                               |
|                  | 750 mm                                                                                                                                                                                                                                                                                                                                           | Each | 63743.00                               |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                           | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                              | 3    | 4                                      |
| 8.49             | Supply of CI Mechanical joint Double Socket 11.25°(1/32) Bends as dimensionally described in Table 14 of IS- 13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes. |      |                                        |
|                  | 100 mm                                                                                                                                                                                                                                                                                                                                         | Each | 2467.00                                |

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|  |        |      |          |
|--|--------|------|----------|
|  | 125 mm | Each | 2982.00  |
|  | 150 mm | Each | 3701.00  |
|  | 200 mm | Each | 5151.00  |
|  | 250 mm | Each | 7001.00  |
|  | 300 mm | Each | 9582.00  |
|  | 350 mm | Each | 14137.00 |
|  | 400 mm | Each | 17272.00 |
|  | 450 mm | Each | 20305.00 |
|  | 500 mm | Each | 24521.00 |
|  | 600 mm | Each | 32643.00 |
|  | 700 mm | Each | 47191.00 |
|  | 750 mm | Each | 55416.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                          | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                             | 3    | 4                                      |
| 8.50             | Supply of CI Mechanical joint All Socket Tees as dimensionally described in Table 18 of IS 13382/1992 complete with sealing rubber gasket of S.B.R. (dimensionally described in IS-12820/1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. pipes. |      |                                        |
|                  | 100x100x80 mm                                                                                                                                                                                                                                                                                                                 | Each | 3485.00                                |
|                  | 100x100x100 mm                                                                                                                                                                                                                                                                                                                | Each | 3691.00                                |
|                  | 150x150x80 mm                                                                                                                                                                                                                                                                                                                 | Each | 4966.00                                |
|                  | 150x150x100 mm                                                                                                                                                                                                                                                                                                                | Each | 5274.00                                |
|                  | 150x150x150 mm                                                                                                                                                                                                                                                                                                                | Each | 6169.00                                |
|                  | 200x200x80 mm                                                                                                                                                                                                                                                                                                                 | Each | 6683.00                                |
|                  | 200x200x100 mm                                                                                                                                                                                                                                                                                                                | Each | 7084.00                                |
|                  | 200x200x150 mm                                                                                                                                                                                                                                                                                                                | Each | 8708.00                                |
|                  | 200x200x200 mm                                                                                                                                                                                                                                                                                                                | Each | 8965.00                                |
|                  | 250x250x80 mm                                                                                                                                                                                                                                                                                                                 | Each | 9063.00                                |
|                  | 250x250x100 mm                                                                                                                                                                                                                                                                                                                | Each | 9161.00                                |
|                  | 250x250x150 mm                                                                                                                                                                                                                                                                                                                | Each | 10353.00                               |
|                  | 250x250x200 mm                                                                                                                                                                                                                                                                                                                | Each | 11556.00                               |
|                  | 250x250x250 mm                                                                                                                                                                                                                                                                                                                | Each | 12646.00                               |
|                  | 300x300x80 mm                                                                                                                                                                                                                                                                                                                 | Each | 11741.00                               |
|                  | 300x300x100 mm                                                                                                                                                                                                                                                                                                                | Each | 12142.00                               |
|                  | 300x300x150 mm                                                                                                                                                                                                                                                                                                                | Each | 13448.00                               |
|                  | 300x300x200 mm                                                                                                                                                                                                                                                                                                                | Each | 14733.00                               |
|                  | 300x300x250 mm                                                                                                                                                                                                                                                                                                                | Each | 16224.00                               |
|                  | 300x300x300 mm                                                                                                                                                                                                                                                                                                                | Each | 18218.00                               |

| USOR<br>Item No. | Particulars of Items                                                                                                                                         | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                            | 3    | 4                                      |
| 8.51             | Supply of CI Mechanical joint Double Socket with Flanged Tees inclusive of all taxes & duties, insurance, loading/unloading & stacking FOR at site complete. |      |                                        |
|                  | 100x100x80 mm                                                                                                                                                | Each | 3043.00                                |
|                  | 100x100x100 mm                                                                                                                                               | Each | 3136.00                                |
|                  | 150x150x80 mm                                                                                                                                                | Each | 4596.00                                |
|                  | 150x150x100 mm                                                                                                                                               | Each | 4709.00                                |
|                  | 150x150x150 mm                                                                                                                                               | Each | 5367.00                                |
|                  | 200x200x80 mm                                                                                                                                                | Each | 6261.00                                |
|                  | 200x200x100 mm                                                                                                                                               | Each | 6354.00                                |
|                  | 200x200x150 mm                                                                                                                                               | Each | 7207.00                                |

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|  |                |      |           |
|--|----------------|------|-----------|
|  | 200x200x200 mm | Each | 7927.00   |
|  | 250x250x80 mm  | Each | 8235.00   |
|  | 250x250x100 mm | Each | 8420.00   |
|  | 250x250x150 mm | Each | 9397.00   |
|  | 250x250x200 mm | Each | 10363.00  |
|  | 250x250x250 mm | Each | 11340.00  |
|  | 300x300x80 mm  | Each | 10857.00  |
|  | 300x300x100 mm | Each | 10949.00  |
|  | 300x300x150 mm | Each | 12122.00  |
|  | 300x300x200 mm | Each | 13294.00  |
|  | 300x300x250 mm | Each | 14486.00  |
|  | 300x300x300 mm | Each | 15566.00  |
|  | 350x350x80 mm  | Each | 14291.00  |
|  | 350x350x100 mm | Each | 15216.00  |
|  | 350x350x150 mm | Each | 16656.00  |
|  | 350x350x200 mm | Each | 19534.00  |
|  | 350x350x300 mm | Each | 22516.00  |
|  | 350x350x350 mm | Each | 22516.00  |
|  | 400x400x80 mm  | Each | 18198.00  |
|  | 400x400x100 mm | Each | 18198.00  |
|  | 400x400x150 mm | Each | 19534.00  |
|  | 400x400x200 mm | Each | 21590.00  |
|  | 400x400x300 mm | Each | 24932.00  |
|  | 400x400x400 mm | Each | 28530.00  |
|  | 450x450x80 mm  | Each | 20871.00  |
|  | 450x450x100 mm | Each | 21693.00  |
|  | 450x450x200 mm | Each | 29558.00  |
|  | 450x450x300 mm | Each | 31615.00  |
|  | 450x450x350 mm | Each | 31615.00  |
|  | 450x450x450 mm | Each | 35624.00  |
|  | 500x500x100 mm | Each | 25446.00  |
|  | 500x500x250 mm | Each | 34339.00  |
|  | 500x500x300 mm | Each | 34339.00  |
|  | 500x500x400 mm | Each | 34905.00  |
|  | 500x500x500 mm | Each | 43592.00  |
|  | 600x600x100 mm | Each | 33928.00  |
|  | 600x600x300 mm | Each | 48116.00  |
|  | 600x600x400 mm | Each | 54233.00  |
|  | 600x600x500 mm | Each | 63075.00  |
|  | 600x600x600 mm | Each | 63075.00  |
|  | 700x700x100 mm | Each | 50481.00  |
|  | 700x700x200 mm | Each | 53873.00  |
|  | 700x700x350 mm | Each | 61276.00  |
|  | 700x700x400 mm | Each | 68781.00  |
|  | 750x750x150 mm | Each | 58808.00  |
|  | 750x750x250 mm | Each | 66622.00  |
|  | 750x750x750 mm | Each | 109700.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                   | 3    | 4                                      |
| 8.52             | Supply of CI Mechanical joint Double Socket Reducers inclusive of all taxes & duties, insurance, loading/unloading & stacking FOR at site complete. |      |                                        |
|                  | 100x80 mm dia                                                                                                                                       | Each | 1542.00                                |
|                  | 150x80 mm dia                                                                                                                                       | Each | 2190.00                                |
|                  | 150x100 mm dia                                                                                                                                      | Each | 2406.00                                |
|                  | 200x100 mm dia                                                                                                                                      | Each | 3197.00                                |

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|  |                |      |          |
|--|----------------|------|----------|
|  | 200x150 mm dia | Each | 3383.00  |
|  | 250x150 mm dia | Each | 4565.00  |
|  | 250x200 mm dia | Each | 4565.00  |
|  | 300x150 mm dia | Each | 4688.00  |
|  | 300x200 mm dia | Each | 6045.00  |
|  | 300x250 mm dia | Each | 5922.00  |
|  | 350x200 mm dia | Each | 6868.00  |
|  | 350x250 mm dia | Each | 6775.00  |
|  | 350x300 mm dia | Each | 9356.00  |
|  | 400x250 mm dia | Each | 11361.00 |
|  | 400x300 mm dia | Each | 11515.00 |
|  | 400x350 mm dia | Each | 10641.00 |
|  | 450x400 mm dia | Each | 12903.00 |
|  | 450x350 mm dia | Each | 13520.00 |
|  | 450x300 mm dia | Each | 12903.00 |
|  | 500x350 mm dia | Each | 17067.00 |
|  | 500x400 mm dia | Each | 17067.00 |
|  | 500x450 mm dia | Each | 16913.00 |
|  | 600x400 mm dia | Each | 24058.00 |
|  | 600x450 mm dia | Each | 24521.00 |
|  | 600x500 mm dia | Each | 23235.00 |
|  | 700x500 mm dia | Each | 42873.00 |
|  | 700x600 mm dia | Each | 39788.00 |
|  | 750x600 mm dia | Each | 45648.00 |
|  | 750x700 mm dia | Each | 44723.00 |
|  | 800x450mm dia  | Each | 54799.00 |
|  | 800x700mm dia  | Each | 53565.00 |

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                         | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                            | 3    | 4                                      |
| 8.53             | Supply of DI Dismantling joint with M.S. Nut stud & washers coated for rust prevention & internal rubber rings etc. complete assembly set as per type design inclusive of all taxes & duties, insurance, loading/ unloading & stacking FOR at site complete. |      |                                        |
|                  | 100 mm                                                                                                                                                                                                                                                       | Each | 2550.00                                |
|                  | 150 mm                                                                                                                                                                                                                                                       | Each | 4318.00                                |
|                  | 200 mm                                                                                                                                                                                                                                                       | Each | 6066.00                                |
|                  | 250 mm                                                                                                                                                                                                                                                       | Each | 8266.00                                |
|                  | 300 mm                                                                                                                                                                                                                                                       | Each | 10723.00                               |
|                  | 350 mm                                                                                                                                                                                                                                                       | Each | 16141.00                               |
|                  | 400 mm                                                                                                                                                                                                                                                       | Each | 19586.00                               |
|                  | 450 mm                                                                                                                                                                                                                                                       | Each | 23492.00                               |
|                  | 500 mm                                                                                                                                                                                                                                                       | Each | 27708.00                               |
|                  | 600 mm                                                                                                                                                                                                                                                       | Each | 39891.00                               |
|                  | 700 mm                                                                                                                                                                                                                                                       | Each | 59322.00                               |
|                  | 750 mm                                                                                                                                                                                                                                                       | Each | 68164.00                               |
|                  | 800 mm                                                                                                                                                                                                                                                       | Each | 75669.00                               |
|                  | 900 mm                                                                                                                                                                                                                                                       | Each | 89446.00                               |
|                  | 1000 mm                                                                                                                                                                                                                                                      | Each | 109906.00                              |
|                  | 1100 mm                                                                                                                                                                                                                                                      | Each | 138282.00                              |
|                  | 1200 mm                                                                                                                                                                                                                                                      | Each | 165116.00                              |



# CHAPTER 17 – M.S. PIPES, SPECIALS, FITTINGS INCLUDING

## FABRICATION & LAYING

Rate excluding Excise Duty

| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                                 | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                                                                    | 3    | 4                                      |
| 17.11            | Providing and Supplying of following M.S. pipes as per IS specifications with inside & outside epoxy coating as per relevant IS code, duly tested for usage in Drinking water inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading FOR site unloading & stacking etc. complete as per direction of Engineer-in-Charge. |      |                                        |
| 17.11.1          | Dia. of pipe 219.10 mm (O.D) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                     |      |                                        |
|                  | 4.80 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 1494.00                                |
|                  | 5.60 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 1736.00                                |
|                  | 6.40 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 1976.00                                |
|                  | 7.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2154.00                                |
|                  | 7.90 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2420.00                                |
|                  | 8.20 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2508.00                                |
|                  | 8.70 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2654.00                                |
|                  | 9.50 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2887.00                                |
| 17.11.2          | Dia. of pipe 273.10 mm (O.D) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                     |      |                                        |
|                  | 4.80 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 1873.00                                |
|                  | 5.60 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2177.00                                |
|                  | 6.40 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2480.00                                |
|                  | 7.20 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2780.00                                |
|                  | 7.80 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3004.00                                |
|                  | 8.70 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3339.00                                |
|                  | 9.30 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3560.00                                |
| 17.11.3          | Dia. of pipe 323.9 mm (O.D) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                      |      |                                        |
|                  | 5.60 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2589.00                                |
|                  | 6.40 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2950.00                                |
|                  | 7.10 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3265.00                                |
|                  | 7.90 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3622.00                                |
|                  | 8.40 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3845.00                                |
|                  | 8.70 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3978.00                                |
|                  | 9.50 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4332.00                                |
| 17.11.4          | Dia. of pipe 355.7 mm (O.D) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                      |      |                                        |
|                  | 5.60 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2851.00                                |
|                  | 6.40 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3249.00                                |
|                  | 7.10 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3596.00                                |
|                  | 7.90 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3990.00                                |
|                  | 8.70 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4383.00                                |
|                  | 9.50 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4773.00                                |
| 17.11.5          | Dia. of pipe 406.0 mm (O.D) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                      |      |                                        |
|                  | 5.60 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3264.00                                |
|                  | 6.40 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3720.00                                |
|                  | 7.10 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4117.00                                |
|                  | 7.90 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4570.00                                |
|                  | 8.70 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 5021.00                                |
|                  | 9.50 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 5470.00                                |

|          |                                                 |    |          |
|----------|-------------------------------------------------|----|----------|
|          | 10.00 mm                                        | RM | 5750.00  |
| 17.11.6  | Dia. of pipe 457.0 mm (O.D) Thickness of pipe : |    |          |
|          | 5.60 mm                                         | RM | 3681.00  |
|          | 6.40 mm                                         | RM | 4196.00  |
|          | 7.10 mm                                         | RM | 4646.00  |
|          | 7.90 mm                                         | RM | 5157.00  |
|          | 8.70 mm                                         | RM | 5667.00  |
|          | 9.50 mm                                         | RM | 6175.00  |
|          | 10.00 mm                                        | RM | 6492.00  |
| 17.11.7  | Dia. of pipe 508.0 mm (O.D) Thickness of pipe : |    |          |
|          | 5.60 mm                                         | RM | 4094.00  |
|          | 6.40 mm                                         | RM | 4669.00  |
|          | 7.10 mm                                         | RM | 5170.00  |
|          | 7.90 mm                                         | RM | 5740.00  |
|          | 8.70 mm                                         | RM | 6309.00  |
|          | 9.50 mm                                         | RM | 6876.00  |
|          | 10.00 mm                                        | RM | 7229.00  |
| 17.11.8  | Dia. of pipe 559.0 mm (O.D) Thickness of pipe : |    |          |
|          | 5.60 mm                                         | RM | 4519.00  |
|          | 6.40 mm                                         | RM | 5152.00  |
|          | 7.10 mm                                         | RM | 5705.00  |
|          | 7.90 mm                                         | RM | 6335.00  |
|          | 8.70 mm                                         | RM | 6963.00  |
|          | 9.50 mm                                         | RM | 7589.00  |
|          | 10.00 mm                                        | RM | 7979.00  |
| 17.11.9  | Dia. of pipe 610.0 mm (O.D) Thickness of pipe : |    |          |
|          | 5.60 mm                                         | RM | 4932.00  |
|          | 6.40 mm                                         | RM | 5625.00  |
|          | 7.10 mm                                         | RM | 6229.00  |
|          | 7.90 mm                                         | RM | 6917.00  |
|          | 8.70 mm                                         | RM | 7605.00  |
|          | 9.50 mm                                         | RM | 8290.00  |
|          | 10.00 mm                                        | RM | 8717.00  |
|          | 12.00 mm                                        | RM | 10419.00 |
| 17.11.10 | Dia. of pipe 660.0 mm (O.D) Thickness of pipe : |    |          |
|          | 5.60 mm                                         | RM | 5338.00  |
|          | 6.40 mm                                         | RM | 6088.00  |
|          | 7.10 mm                                         | RM | 6743.00  |
|          | 7.90 mm                                         | RM | 7490.00  |
|          | 8.70 mm                                         | RM | 8234.00  |
|          | 9.50 mm                                         | RM | 8977.00  |
|          | 10.00 mm                                        | RM | 9441.00  |
| 17.11.11 | Dia. of pipe 711.0 mm (O.D) Thickness of pipe : |    |          |
|          | 5.60 mm                                         | RM | 5751.00  |
|          | 6.40 mm                                         | RM | 6560.00  |
|          | 7.10 mm                                         | RM | 7267.00  |
|          | 7.90 mm                                         | RM | 8072.00  |
|          | 8.70 mm                                         | RM | 8876.00  |
|          | 9.50 mm                                         | RM | 9678.00  |
|          | 10.00 mm                                        | RM | 10179.00 |
|          | 12.00 mm                                        | RM | 12173.00 |

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|          |                                                     |    |          |
|----------|-----------------------------------------------------|----|----------|
| 17.11.12 | Dia. of pipe 762.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 5.60 mm                                             | RM | 6164.00  |
|          | 6.40 mm                                             | RM | 7032.00  |
|          | 7.10 mm                                             | RM | 7791.00  |
|          | 7.90 mm                                             | RM | 8656.00  |
|          | 8.70 mm                                             | RM | 9518.00  |
|          | 9.50 mm                                             | RM | 10380.00 |
|          | 10.00 mm                                            | RM | 10917.00 |
| 17.11.13 | Dia. of pipe 813.00. mm (O.D.) Thickness of pipe :  |    |          |
|          | 5.60 mm                                             | RM | 6578.00  |
|          | 6.40 mm                                             | RM | 7505.00  |
|          | 7.10 mm                                             | RM | 8315.00  |
|          | 7.90 mm                                             | RM | 9238.00  |
|          | 8.70 mm                                             | RM | 10161.00 |
|          | 9.50 mm                                             | RM | 11081.00 |
|          | 10.00 mm                                            | RM | 11655.00 |
|          | 12.00 mm                                            | RM | 13945.00 |
| 17.11.14 | Dia. of pipe 864.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 5.60 mm                                             | RM | 7008.00  |
|          | 6.40 mm                                             | RM | 7994.00  |
|          | 7.10 mm                                             | RM | 8856.00  |
|          | 7.90 mm                                             | RM | 9839.00  |
|          | 8.70 mm                                             | RM | 10820.00 |
|          | 9.50 mm                                             | RM | 11799.00 |
|          | 10.00 mm                                            | RM | 12410.00 |
| 17.11.15 | Dia. of pipe 914.00 mm (O. D.) Thickness of pipe :  |    |          |
|          | 5.60 mm                                             | RM | 7413.00  |
|          | 6.40 mm                                             | RM | 8457.00  |
|          | 7.10 mm                                             | RM | 9370.00  |
|          | 7.90 mm                                             | RM | 10410.00 |
|          | 8.70 mm                                             | RM | 11449.00 |
|          | 9.50 mm                                             | RM | 12486.00 |
|          | 10.00 mm                                            | RM | 13134.00 |
| 17.11.16 | Dia. of pipe 965.00 mm (O. D.) Thickness of pipe :  |    |          |
|          | 5.60 mm                                             | RM | 7843.00  |
|          | 6.40 mm                                             | RM | 8946.00  |
|          | 7.10 mm                                             | RM | 9911.00  |
|          | 7.90 mm                                             | RM | 11010.00 |
|          | 8.70 mm                                             | RM | 12108.00 |
|          | 9.50 mm                                             | RM | 13205.00 |
|          | 10.00 mm                                            | RM | 13889.00 |
| 17.11.17 | Dia. of pipe 1016.00 mm (O. D.) Thickness of pipe : |    |          |
| i)       | 5.60 mm                                             | RM | 8256.00  |
| ii)      | 6.40 mm                                             | RM | 9419.00  |
| iii)     | 7.10 mm                                             | RM | 10435.00 |
| iv)      | 7.90 mm                                             | RM | 11593.00 |
| v)       | 8.70 mm                                             | RM | 12750.00 |
| vi)      | 9.50 mm                                             | RM | 13906.00 |
| vii)     | 10.00 mm                                            | RM | 14626.00 |
| viii)    | 12.00 mm                                            | RM | 17504.00 |
| 17.11.18 | Dia. of pipe 1067.00 mm (O. D.) Thickness of pipe : |    |          |
|          | 5.60 mm                                             | RM | 8669.00  |



|          |                                                      |    |          |
|----------|------------------------------------------------------|----|----------|
|          | 6.40 mm                                              | RM | 9891.00  |
|          | 7.10 mm                                              | RM | 10958.00 |
|          | 7.90 mm                                              | RM | 12176.00 |
|          | 8.70 mm                                              | RM | 13392.00 |
|          | 9.50 mm                                              | RM | 14607.00 |
|          | 10.00 mm                                             | RM | 15365.00 |
|          |                                                      |    |          |
| 17.11.19 | Dia. of pipe 1118.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 5.60 mm                                              | RM | 9083.00  |
|          | 6.40 mm                                              | RM | 10364.00 |
|          | 7.10 mm                                              | RM | 11482.00 |
|          | 7.90 mm                                              | RM | 12760.00 |
|          | 8.70 mm                                              | RM | 14035.00 |
|          | 9.50 mm                                              | RM | 15308.00 |
|          | 10.00 mm                                             | RM | 16103.00 |
|          |                                                      |    |          |
| 17.11.20 | Dia. of pipe 1168.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 5.60 mm                                              | RM | 9488.00  |
|          | 6.40 mm                                              | RM | 10827.00 |
|          | 7.10 mm                                              | RM | 11996.00 |
|          | 7.90 mm                                              | RM | 13331.00 |
|          | 8.70 mm                                              | RM | 14664.00 |
|          | 9.50 mm                                              | RM | 15996.00 |
|          | 10.00 mm                                             | RM | 16827.00 |
|          |                                                      |    |          |
| 17.11.21 | Dia. of pipe 1219.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 6.40 mm                                              | RM | 11299.00 |
|          | 7.10 mm                                              | RM | 12520.00 |
|          | 7.90 mm                                              | RM | 13914.00 |
|          | 8.70 mm                                              | RM | 15307.00 |
|          | 9.50 mm                                              | RM | 16697.00 |
|          | 10.00 mm                                             | RM | 17565.00 |
|          | 12.00 mm                                             | RM | 21029.00 |
|          |                                                      |    |          |
| 17.11.22 | Dia. of pipe 1296.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 9.50 mm                                              | RM | 17781.00 |
|          | 9.98 mm                                              | RM | 18667.00 |
|          | 10.00 mm                                             | RM | 18704.00 |
|          |                                                      |    |          |
| 17.11.23 | Dia. of pipe 1321.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 6.40 mm                                              | RM | 12269.00 |
|          | 7.10 mm                                              | RM | 13594.00 |
|          | 7.90 mm                                              | RM | 15106.00 |
|          | 8.70 mm                                              | RM | 16616.00 |
|          | 9.50 mm                                              | RM | 18124.00 |
|          | 10.00 mm                                             | RM | 19066.00 |
|          |                                                      |    |          |
| 17.11.24 | Dia. of pipe 1422.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 7.10 mm                                              | RM | 14631.00 |
|          | 7.90 mm                                              | RM | 16260.00 |
|          | 8.70 mm                                              | RM | 17887.00 |
|          | 9.50 mm                                              | RM | 19513.00 |
|          | 10.00 mm                                             | RM | 20528.00 |
|          | 12.00 mm                                             | RM | 24580.00 |
|          |                                                      |    |          |
| 17.11.25 | Dia. of pipe 1473.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 9.50 mm                                              | RM | 20214.00 |
|          | 9.98 mm                                              | RM | 21224.00 |

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|          |                                                      |    |          |
|----------|------------------------------------------------------|----|----------|
| 17.11.26 | Dia. of pipe 1524.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 7.10 mm                                              | RM | 15679.00 |
|          | 7.90 mm                                              | RM | 17427.00 |
|          | 8.70 mm                                              | RM | 19172.00 |
|          | 9.50 mm                                              | RM | 20915.00 |
|          | 10.00 mm                                             | RM | 22004.00 |
|          | 11.90 mm                                             | RM | 26134.00 |
|          | 12.00 mm                                             | RM | 26351.00 |
| 17.11.27 | Dia. of pipe 1550.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 10.00 mm                                             | RM | 22380.00 |
|          | 11.00 mm                                             | RM | 24593.00 |
| 17.11.28 | Dia. of pipe 1576.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 9.50 mm                                              | RM | 21630.00 |
|          | 10.00 mm                                             | RM | 22163.00 |
| 17.11.29 | Dia. of pipe 1626.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 7.10 mm                                              | RM | 16727.00 |
|          | 7.90 mm                                              | RM | 18593.00 |
|          | 8.70 mm                                              | RM | 20456.00 |
|          | 9.50 mm                                              | RM | 22318.00 |
|          | 10.00 mm                                             | RM | 23480.00 |
|          | 12.00 mm                                             | RM | 28123.00 |
| 17.11.30 | Dia. of pipe 1650.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 7.90 mm                                              | RM | 18867.00 |
|          | 8.70 mm                                              | RM | 20758.00 |
|          | 9.50 mm                                              | RM | 22647.00 |
|          | 10.00 mm                                             | RM | 23827.00 |
|          | 12.00 mm                                             | RM | 28540.00 |
| 17.11.31 | Dia. of pipe 1700.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 7.90 mm                                              | RM | 19438.00 |
|          | 8.70 mm                                              | RM | 21388.00 |
|          | 9.50 mm                                              | RM | 23335.00 |
|          | 10.00 mm                                             | RM | 24551.00 |
|          | 12.00 mm                                             | RM | 29408.00 |
| 17.11.32 | Dia. of pipe 1750.00. mm (O. D.) Thickness of pipe : |    |          |
|          | 7.90 mm                                              | RM | 20011.00 |
|          | 8.70 mm                                              | RM | 22017.00 |
|          | 9.50 mm                                              | RM | 24022.00 |
|          | 10.00 mm                                             | RM | 25275.00 |
|          | 12.00 mm                                             | RM | 30276.00 |
| 17.11.33 | Dia. of pipe 1800.00. mm (O. D.) Thickness of pipe : |    |          |
| i)       | 7.90 mm                                              | RM | 20582.00 |
| ii)      | 8.70 mm                                              | RM | 22647.00 |
| iii)     | 9.50 mm                                              | RM | 24710.00 |
| iv)      | 10.00 mm                                             | RM | 25998.00 |
| v)       | 12.00 mm                                             | RM | 31145.00 |

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| USOR<br>Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                                 | Unit | Rate (excluding<br>Excise Duty) in Rs. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|
| 1                | 2                                                                                                                                                                                                                                                                                                                                                                                                    | 3    | 4                                      |
| 17.12            | Providing and Supplying of following M.S. pipes as per IS specifications with inside & outside epoxy coating as per relevant IS code, duly tested for usage in Drinking water inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading FOR site unloading & stacking etc. complete as per direction of Engineer-in-Charge. |      |                                        |
| 17.12.1          | Dia. of pipe 200.00 mm (I. D.) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                   |      |                                        |
| i)               | 5.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 1489.00                                |
| ii)              | 6.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 1794.00                                |
| iii)             | 7.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2102.00                                |
| iv)              | 8.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2414.00                                |
| v)               | 9.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2728.00                                |
| vi)              | 10.00 mm                                                                                                                                                                                                                                                                                                                                                                                             | RM   | 3045.00                                |
| 17.12.2          | Dia. of pipe 250.00 mm (I. D.) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                   |      |                                        |
| i)               | 5.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 1853.00                                |
| ii)              | 6.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2231.00                                |
| iii)             | 7.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2612.00                                |
| iv)              | 8.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2995.00                                |
| v)               | 9.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3382.00                                |
| vi)              | 10.00 mm                                                                                                                                                                                                                                                                                                                                                                                             | RM   | 3771.00                                |
| 17.12.3          | Dia. of pipe 300.00 mm (I. D.) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                   |      |                                        |
| i)               | 5.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2217.00                                |
| ii)              | 6.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2667.00                                |
| iii)             | 7.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3120.00                                |
| iv)              | 8.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3576.00                                |
| v)               | 9.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4034.00                                |
| vi)              | 10.00 mm                                                                                                                                                                                                                                                                                                                                                                                             | RM   | 4496.00                                |
| 17.12.4          | Dia. of pipe 350.00 mm (I. D.) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                   |      |                                        |
| i)               | 5.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2582.00                                |
| ii)              | 6.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3104.00                                |
| iii)             | 7.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3630.00                                |
| iv)              | 8.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4158.00                                |
| v)               | 9.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4689.00                                |
| vi)              | 10.00 mm                                                                                                                                                                                                                                                                                                                                                                                             | RM   | 5223.00                                |
| 17.12.5          | Dia. of pipe 400.00 mm (I. D.) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                   |      |                                        |
| i)               | 5.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 2949.00                                |
| ii)              | 6.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3544.00                                |
| iii)             | 7.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4142.00                                |
| iv)              | 8.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4742.00                                |
| v)               | 9.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 5345.00                                |
| vi)              | 10.00 mm                                                                                                                                                                                                                                                                                                                                                                                             | RM   | 5952.00                                |
| 17.12.6          | Dia. of pipe 450.00 mm (I. D.) Thickness of pipe :                                                                                                                                                                                                                                                                                                                                                   |      |                                        |
| i)               | 5.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3315.00                                |
| ii)              | 6.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 3982.00                                |
| iii)             | 7.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 4652.00                                |
| iv)              | 8.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 5325.00                                |
| v)               | 9.00 mm                                                                                                                                                                                                                                                                                                                                                                                              | RM   | 6001.00                                |
| vi)              | 10.00 mm                                                                                                                                                                                                                                                                                                                                                                                             | RM   | 6680.00                                |

|          |                                                    |    |          |
|----------|----------------------------------------------------|----|----------|
| 17.12.7  | Dia. of pipe 500.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                            | RM | 3677.00  |
| ii)      | 6.00 mm                                            | RM | 4416.00  |
| iii)     | 7.00 mm                                            | RM | 5159.00  |
| iv)      | 8.00 mm                                            | RM | 5904.00  |
| v)       | 9.00 mm                                            | RM | 6652.00  |
| vi)      | 10.00 mm                                           | RM | 7403.00  |
|          |                                                    |    |          |
| 17.12.8  | Dia. of pipe 550.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                            | RM | 4050.00  |
| ii)      | 6.00 mm                                            | RM | 4862.00  |
| iii)     | 7.00 mm                                            | RM | 5676.00  |
| iv)      | 8.00 mm                                            | RM | 6494.00  |
| v)       | 9.00 mm                                            | RM | 7315.00  |
| vi)      | 10.00 mm                                           | RM | 8138.00  |
|          |                                                    |    |          |
| 17.12.9  | Dia. of pipe 600.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                            | RM | 4412.00  |
| ii)      | 6.00 mm                                            | RM | 5295.00  |
| iii)     | 7.00 mm                                            | RM | 6183.00  |
| iv)      | 8.00 mm                                            | RM | 7073.00  |
| v)       | 9.00 mm                                            | RM | 7966.00  |
| vi)      | 10.00 mm                                           | RM | 8862.00  |
| vii)     | 12.00 mm                                           | RM | 10662.00 |
|          |                                                    |    |          |
| 17.12.10 | Dia. of pipe 650.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                            | RM | 4773.00  |
| ii)      | 6.00 mm                                            | RM | 5730.00  |
| iii)     | 7.00 mm                                            | RM | 6689.00  |
| iv)      | 8.00 mm                                            | RM | 7652.00  |
| v)       | 9.00 mm                                            | RM | 8617.00  |
| vi)      | 10.00 mm                                           | RM | 9585.00  |
| vii)     | 12.00 mm                                           | RM | 11531.00 |
|          |                                                    |    |          |
| 17.12.11 | Dia. of pipe 700.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                            | RM | 5135.00  |
| ii)      | 6.00 mm                                            | RM | 6164.00  |
| iii)     | 7.00 mm                                            | RM | 7196.00  |
| iv)      | 8.00 mm                                            | RM | 8231.00  |
| v)       | 9.00 mm                                            | RM | 9268.00  |
| vi)      | 10.00 mm                                           | RM | 10309.00 |
| vii)     | 12.00 mm                                           | RM | 12398.00 |
|          |                                                    |    |          |
| 17.12.12 | Dia. of pipe 750.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                            | RM | 5497.00  |
| ii)      | 6.00 mm                                            | RM | 6598.00  |
| iii)     | 7.00 mm                                            | RM | 7703.00  |
| iv)      | 8.00 mm                                            | RM | 8809.00  |
| v)       | 9.00 mm                                            | RM | 9920.00  |
| vi)      | 10.00 mm                                           | RM | 11021.00 |
| vii)     | 12.00 mm                                           | RM | 13267.00 |
|          |                                                    |    |          |
| 17.12.13 | Dia. of pipe 800.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                            | RM | 5859.00  |
| ii)      | 6.00 mm                                            | RM | 7032.00  |
| iii)     | 7.00 mm                                            | RM | 8209.00  |
| iv)      | 8.00 mm                                            | RM | 9389.00  |
| v)       | 9.00 mm                                            | RM | 10571.00 |

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|          |                                                     |    |          |
|----------|-----------------------------------------------------|----|----------|
| vi)      | 10.00 mm                                            | RM | 11756.00 |
| vii)     | 12.00 mm                                            | RM | 14136.00 |
| 17.12.14 | Dia. of pipe 850.00 mm (I. D.) Thickness of pipe :  |    |          |
| i)       | 5.00 mm                                             | RM | 6237.00  |
| ii)      | 6.00 mm                                             | RM | 7484.00  |
| iii)     | 7.00 mm                                             | RM | 8820.00  |
| iv)      | 8.00 mm                                             | RM | 9984.00  |
| v)       | 9.00 mm                                             | RM | 11239.00 |
| vi)      | 10.00 mm                                            | RM | 12496.00 |
| vii)     | 12.00 mm                                            | RM | 15020.00 |
| 17.12.15 | Dia. of pipe 900.00 mm (I. D.) Thickness of pipe :  |    |          |
| i)       | 5.00 mm                                             | RM | 6599.00  |
| ii)      | 6.00 mm                                             | RM | 7917.00  |
| iii)     | 7.00 mm                                             | RM | 9239.00  |
| iv)      | 8.00 mm                                             | RM | 10563.00 |
| v)       | 9.00 mm                                             | RM | 11890.00 |
| vi)      | 10.00 mm                                            | RM | 13220.00 |
| vii)     | 12.00 mm                                            | RM | 15889.00 |
| 17.12.16 | Dia. of pipe 950.00 mm (I. D.) Thickness of pipe :  |    |          |
| i)       | 5.00 mm                                             | RM | 6978.00  |
| ii)      | 6.00 mm                                             | RM | 8368.00  |
| iii)     | 7.00 mm                                             | RM | 9762.00  |
| iv)      | 8.00 mm                                             | RM | 11159.00 |
| v)       | 9.00 mm                                             | RM | 12558.00 |
| vi)      | 10.00 mm                                            | RM | 13961.00 |
| vii)     | 12.00 mm                                            | RM | 16774.00 |
| 17.12.17 | Dia. of pipe 1000.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                             | RM | 7340.00  |
| ii)      | 6.00 mm                                             | RM | 8803.00  |
| iii)     | 7.00 mm                                             | RM | 10269.00 |
| iv)      | 8.00 mm                                             | RM | 11738.00 |
| v)       | 9.00 mm                                             | RM | 13210.00 |
| vi)      | 10.00 mm                                            | RM | 14685.00 |
| vii)     | 12.00 mm                                            | RM | 17642.00 |
| 17.12.18 | Dia. of pipe 1050.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                             | RM | 7701.00  |
| ii)      | 6.00 mm                                             | RM | 9237.00  |
| iii)     | 7.00 mm                                             | RM | 10776.00 |
| iv)      | 8.00 mm                                             | RM | 12317.00 |
| v)       | 9.00 mm                                             | RM | 13861.00 |
| vi)      | 10.00 mm                                            | RM | 15408.00 |
| vii)     | 12.00 mm                                            | RM | 18511.00 |
| 17.12.19 | Dia. of pipe 1100.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                             | RM | 8063.00  |
| ii)      | 6.00 mm                                             | RM | 9671.00  |
| iii)     | 7.00 mm                                             | RM | 11282.00 |
| iv)      | 8.00 mm                                             | RM | 12895.00 |
| v)       | 9.00 mm                                             | RM | 14512.00 |
| vi)      | 10.00 mm                                            | RM | 16132.00 |
| vii)     | 12.00 mm                                            | RM | 19379.00 |

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|          |                                                     |    |          |
|----------|-----------------------------------------------------|----|----------|
| 17.12.20 | Dia. of pipe 1200.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 5.00 mm                                             | RM | 8787.00  |
| ii)      | 6.00 mm                                             | RM | 10540.00 |
| iii)     | 7.00 mm                                             | RM | 12295.00 |
| iv)      | 8.00 mm                                             | RM | 14053.00 |
| v)       | 9.00 mm                                             | RM | 15815.00 |
| vi)      | 10.00 mm                                            | RM | 17579.00 |
| vii)     | 12.00 mm                                            | RM | 21116.00 |
| 17.12.21 | Dia. of pipe 1300.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 6.00 mm                                             | RM | 11433.00 |
| ii)      | 7.00 mm                                             | RM | 13333.00 |
| iii)     | 8.00 mm                                             | RM | 15236.00 |
| iv)      | 9.00 mm                                             | RM | 17142.00 |
| v)       | 10.00 mm                                            | RM | 13183.00 |
| vi)      | 12.00 mm                                            | RM | 22878.00 |
| 17.12.22 | Dia. of pipe 1400.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 7.00 mm                                             | RM | 14346.00 |
| ii)      | 8.00 mm                                             | RM | 16394.00 |
| iii)     | 9.00 mm                                             | RM | 18445.00 |
| iv)      | 10.00 mm                                            | RM | 20498.00 |
| v)       | 12.00 mm                                            | RM | 24614.00 |
| 17.12.23 | Dia. of pipe 1500.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 7.00 mm                                             | RM | 15359.00 |
| ii)      | 8.00 mm                                             | RM | 17552.00 |
| iii)     | 9.00 mm                                             | RM | 19747.00 |
| iv)      | 10.00 mm                                            | RM | 21945.00 |
| v)       | 12.00 mm                                            | RM | 26351.00 |
| 17.12.24 | Dia. of pipe 1600.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 7.00 mm                                             | RM | 16372.00 |
| ii)      | 8.00 mm                                             | RM | 18710.00 |
| iii)     | 9.00 mm                                             | RM | 21050.00 |
| iv)      | 10.00 mm                                            | RM | 23393.00 |
| v)       | 12.00 mm                                            | RM | 28088.00 |
| 17.12.25 | Dia. of pipe 1700.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 8.00 mm                                             | RM | 19867.00 |
| ii)      | 9.00 mm                                             | RM | 22352.00 |
| iii)     | 10.00 mm                                            | RM | 24840.00 |
| iv)      | 12.00 mm                                            | RM | 29824.00 |
| 17.12.26 | Dia. of pipe 1800.00 mm (I. D.) Thickness of pipe : |    |          |
| i)       | 8.00 mm                                             | RM | 21025.00 |
| ii)      | 9.00 mm                                             | RM | 23655.00 |
| iii)     | 10.00 mm                                            | RM | 26287.00 |
| iv)      | 12.00 mm                                            | RM | 31561.00 |

| USOR Item No. | Particulars of Items                                                                                                                                                                                                                                                                                                                                                                      | Unit | Rate (excluding Excise Duty) in Rs. |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------|
| 1             | 2                                                                                                                                                                                                                                                                                                                                                                                         | 3    | 4                                   |
| 17.13         | Fabrication of M.S. pipes & specials as per IS specifications with inside & outside epoxy coating as per relevant IS code, duly tested for usage in Drinking water inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading FOR site unloading & stacking etc. complete as for direction of Engineer-in-Charge. |      |                                     |
| 17.13.1       | Fabricating pipes from steel plates (all thickness)                                                                                                                                                                                                                                                                                                                                       |      |                                     |
| (i)           | 5 to 8 mm                                                                                                                                                                                                                                                                                                                                                                                 | MT   | 7950.00                             |
| (ii)          | 8 to 12 mm                                                                                                                                                                                                                                                                                                                                                                                | MT   | 5385.00                             |

Encl:- Nil

**Engineer-in-Chief**  
**Public Health Engineering Department**  
**Chhattisgarh, Raipur**

Endt. No. 822...../T.S./E.In.C./PHED/ Raipur

Dated 28-1-16

**Copy is forwarded to :-**

1. Additional Chief Secretary, Govt. of Chhattisgarh, Public Health Engineering Department, Mantralaya Raipur.
2. Engineer- in-Chief, PWD/Water Resources Department, Raipur.
3. The Accountant General, Chhattisgarh, Near Vidhan Sabha, Raipur.
4. The Chief Technical Examiner, 1st Floor, Indrawati Bhawan, Naya Raipur .
5. The Chief Engineer, Raipur Zone Raipur/Bilaspur zone Bilaspur/Jagdalpur Zone Jagdalpur.
6. Superintending Engineer, PHED Raipur Circle Raipur/Durg Circle Durg/ Bilaspur Circle Bilaspur/ Ambikapur Circle Ambikapur/Jagdalpur Circle Jagdalpur/ Kondagaon Circle Kondagaon/ Superintending Engineer (E/M) Raipur.
7. All Executive Engineer, Civil/E/M.

Encl:- Nil

**Engineer-In-Chief**  
**Public Health Engineering Department**  
**Chhattisgarh, Raipur**