


VADODARA MUNICIPAL CORPORATION  
WATER WORKS DEPARTMENT  
PART-B MATERIAL

|   |   |              |     |
|---|---|--------------|-----|
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| VADODARA MUNICIPAL CORPORATION  |   |              |     |
| WATER WORKS DEPARTMENT  |   |              |     |
| ABSTRACT SHEET  |   |              |     |
| PART - B (Material)   |   |              |     |
| Name of Work : Annual rate contract (2026-27) for repairing and maintenance work of CI/DI water pipeline for all Zone and Water Works Department. |   |              |     |
| Dimension Or Quantity   | Item  | VMSS Rate Rs | Per |
| 1   | D. I. Specials  |              |     |
|   | Supply and Delivery of Ductile Iron Flange socket spigot, bends, tees, reducers or any other specials as per BS- EN- 545/1995 Class – A series K-12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to water supply store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc complete with external bitumen & zinc coating & internal cement mortar lining. (GWSSB CIVIL SOR.22-23,Sec-A, I.no.8,P.no.11) |              |     |
| (a)   | Socket & Spigot type  |              |     |
|   | 80 mm to 300 mm   | 148.00       | Kg  |
|   | 350 mm to above   | 151.00       | Kg  |
| (b)   | Flanged Ended   |              |     |
|   | 80 mm to 300 mm   | 155.00       | Kg  |
|   | 350 mm to above   | 158.00       | Kg  |
| 2   | C. I. Specials  |              |     |
|   | Supply and delivery of following diameter cast iron specials complete as per IS: 5531-1977 (Part I to III) or its latest revision if any, suitable for use with A.C. Pressure pipes manufactured as per IS: 1592-1989 or its latest revision for various diameter. (GWSSB CIVIL SOR.22-23,Sec-A, I.no.19,P.no.28)   |              |     |
| (a)   | Socket & Spigot type  |              |     |
|   | 80 mm to 600 mm   | 58.00        | Kg  |
| (b)   | Flanged Ended   |              |     |
|   | 80 mm to 600 mm   | 58.00        | Kg  |

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| <b>3</b> | <b>Providing and supplying G.I.pipe</b>   |           |     |
|          | Providing and supplying ISI mark G.I. Pipes with coupling & fittings of B-class and diameter including taxes, insurance, loading, unloading, transportation to departmental stores, stacking etc.complete (Heavy Duty) including lowering, laying & jointing pipes with fittings in proper position, grade and alignment as directed by Engineer-in-charge including conveyance from store to site of work, labour giving hydraulic testing etc. complete.<br>(GWSSB CIVIL SOR.22-23,Sec A, I.no.6.1 C, P.no.11+ Sec.B I.no.7.1, P.no.36))  |           |     |
| (a)      | 15 mm   | 114.95    | RMT |
| (b)      | 20 mm   | 141.95    | RMT |
| (c)      | 25 mm   | 196.95    | RMT |
| <b>4</b> | <b>Sluice Valves (with EPDM) with cap operated</b>  |           |     |
|          | Providing & supplying of Following Sluice Valve Ductile Iron/Spheroidal Graphite (S.G.) Iron Double flanged resilient seated Sluice Valves Full bore in accordance with BS 5163/EN 1074-1&2 of PN-10/16 rated, with Body and Bonnet of Ductile Iron confirming to GGG-50/40 or IS 1865 Gr. (SG 500/7 or SG 400/15), Wedge of WRAS or DVGW approved EPDM rubber (approved for drinking water), Integral Wedge nut, Shaft of S.S. AISI 420, O rings of NBR. Body & Bonnet coated with electrostatically applied epoxy powder coating to DIN 30677-2 & GSK guidelines or equivalent to GSK Guideline.Blue colour RAL 5005/5017 with a coating thickness of 250 microns both inside & outside. Sluice valve shall be compatible for buried applications without valve chamber. Face-to-face dimensions as per BS 5163/EN558 and Flange drilling as per IS 1538. 100% tight shut-off. Manual operation by Hand wheel.Motorized operation by Electrical Actuator suitable for SCADA system. (without GST) (Approved rates analysis by HOD Shri) . |           |     |
|          | 1) 100mm Dia. P.N. 16   | 11877.00  | No  |
|          | 2) 150mm Dia. P.N. 16   | 20701.50  | No  |
|          | 3) 200mm Dia. P.N. 16   | 32856.00  | No  |
|          | 4) 250mm Dia. P.N. 16   | 54612.00  | No  |
|          | 5) 300mm Dia. P.N. 16   | 68265.00  | No  |
|          | 6) 350mm Dia. P.N. 16   | 98790.00  | No  |
|          | 7) 400mm Dia. P.N. 16   | 127650.00 | No  |
|          | 8) 450mm Dia. P.N. 16   | 163392.00 | No  |

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|--|------------------------|-----------|----|
|  | 9) 500mm Dia. P.N. 16  | 235875.00 | No |
|  | 10) 600mm Dia. P.N. 16 | 393495.00 | No |

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|          |  |           |     |
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| <b>5</b> | <b>Sluice valves PN-1.6 With cap operated (PD type short body)</b>   |           |     |
|          | Providing and supplying ISI mark CI D/F Sluice Valves as per IS:14846 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (GWSSB CIVIL SOR.22-23,Sec A, I.no.13.1.F, P.no.22) |           |     |
|          | 1) 100mm Dia. P.N. 16  | 3598.00   | No  |
|          | 2) 150mm Dia. P.N. 16  | 5857.00   | No  |
|          | 3) 200mm Dia. P.N. 16  | 10295.00  | No  |
|          | 4) 250mm Dia. P.N. 16  | 16402.00  | No  |
|          | 5) 300mm Dia. P.N. 16  | 20946.00  | No  |
|          | 6) 350mm Dia. P.N. 16  | 31286.00  | No  |
|          | 7) 400mm Dia. P.N. 16  | 47009.00  | No  |
|          | 8) 450mm Dia. P.N. 16  | 55045.00  | No  |
|          | 9) 500mm Dia. P.N. 16  | 92554.00  | No  |
|          | 10) 600mm Dia. P.N. 16   | 126464.00 | No  |
| <b>6</b> | <b>D. I. Pipe K-7</b>  |           |     |
|          | Providing and supplying D. I. K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including the cost of EPDM rubber ring, all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading etc. (GWSSB CIVIL SOR 22-23(revised), Sec.1A I.NO.2.1 B, P.NO.6)                    |           |     |
| (a)      | 100 mm   | 1003.00   | RMt |
| (b)      | 150 mm   | 1477.00   | RMt |
| (c)      | 200 mm   | 1880.00   | RMt |
| (d)      | 250 mm   | 2460.00   | RMt |
| (e)      | 300 mm   | 3110.00   | RMt |
| (f)      | 350 mm   | 3858.00   | RMt |
| (g)      | 400 mm   | 4583.00   | RMt |
| (h)      | 450 mm   | 5418.00   | RMt |
| (i)      | 500 mm   | 6505.00   | RMt |
| (j)      | 600 mm   | 8483.00   | RMt |
| (k)      | 700 mm   | 11645.00  | RMt |
| (l)      | 750 mm   | 13177.00  | RMt |

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| <b>7</b> | <b>C.I. Pipe Class- LA</b>  |          |     |
|          | Providing and supplying ISI mark C.I. S & S spun pipe for following nominal bore diameter with rubber gaskets of Class-LA including the cost of EPDM rubber ring, all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, un loading etc.(GWSSB CIVIL SOR 14-15, Sec.A, I.NO.1(A), P.NO.1)  |          |     |
|          | Test Pressure 12 Kg / Sq. Cm.   |          |     |
| (a)      | 80 mm   | 1038.00  | RMt |
| (b)      | 100 mm  | 1255.00  | RMt |
| (c)      | 150 mm  | 1880.00  | RMt |
| (d)      | 200 mm  | 2745.00  | RMt |
| (e)      | 250 mm  | 3698.00  | RMt |
| (f)      | 300 mm  | 4767.00  | RMt |
| (g)      | 350 mm  | 6130.00  | RMt |
| (h)      | 400 mm  | 7463.00  | RMt |
| (i)      | 450 mm  | 9041.00  | RMt |
| (j)      | 500 mm  | 10729.00 | RMt |
| (k)      | 600 mm  | 14152.00 | RMt |
| (l)      | 700 mm  | 18754.00 | RMt |
| (m)      | 750 mm  | 21003.00 | RMt |
| <b>8</b> | <b>M.S.Specials</b>   |          |     |
|          | (GWSSB CIVIL SOR.22-23,Sec A, I.no.7, P.no.11)  |          |     |
|          | <b>A) M.S. specials plain &amp; socket</b>  |          |     |
|          | 1) upto 300 mm dia.   | 96.00    | Kg. |
|          | 2) above 300 mm dia.  | 96.00    | Kg. |
|          | <b>B) M.S. specials flanged ends</b>  |          |     |
|          | 1) upto 300 mm dia.   | 98.00    | Kg. |
|          | 2) above 300 mm dia.  | 98.00    | Kg. |
| <b>9</b> | <b>PVC pipes</b>  |          |     |
|          | Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for portable water with ring fit joint including cost of rings, as per IS specification no. 4985/1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental store and including cost of joining material etc. complete. (GWSSB CIVIL SOR 22-23(revised),Sec.1A, I.no.3.1, P.no.6,7) |          |     |
|          | Note:   |          |     |
|          | 1. One Coupler/ ring shall be provided with each full length pipe cost of which is included in rates below.   |          |     |

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|  | <b>2. 3% (Three) Discounted rate to be consider for coupler jointed pipe</b> |  |  |
|  | <b>3. Rate for PVC Resin as Rs.91739/MT (Price without GST)</b>              |  |  |

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|     |                                     |        |     |
|-----|-------------------------------------|--------|-----|
|     | 3.1.A Test Pressure 4 Kg / Sq. Cm.  |        |     |
| (a) | 63 mm                               | 49.00  | RMt |
| (b) | 75 mm                               | 69.00  | RMt |
| (c) | 90 mm                               | 96.00  | RMt |
| (d) | 110 mm                              | 139.00 | RMt |
| (e) | 125 mm                              | 180.00 | RMt |
| (f) | 140 mm                              | 225.00 | RMt |
| (g) | 160 mm                              | 294.00 | RMt |
| (h) | 180 mm                              | 374.00 | RMt |
|     | 3.1.B Test Pressure 6 Kg / Sq. Cm.  |        |     |
| (a) | 63 mm                               | 69.00  | RMt |
| (b) | 75 mm                               | 96.00  | RMt |
| (c) | 90 mm                               | 139.00 | RMt |
| (d) | 110 mm                              | 199.00 | RMt |
| (e) | 125 mm                              | 263.00 | RMt |
| (f) | 140 mm                              | 326.00 | RMt |
| (g) | 160 mm                              | 420.00 | RMt |
| (h) | 180 mm                              | 537.00 | RMt |
|     | 3.1.C Test Pressure 8 Kg / Sq. Cm.  |        |     |
| (a) | 63 mm                               | 86.00  | RMt |
| (b) | 75 mm                               | 123.00 | RMt |
| (c) | 90 mm                               | 173.00 | RMt |
| (d) | 110 mm                              | 258.00 | RMt |
| (e) | 125 mm                              | 336.00 | RMt |
| (f) | 140 mm                              | 426.00 | RMt |
| (g) | 160 mm                              | 554.00 | RMt |
| (h) | 180 mm                              | 693.00 | RMt |
|     | 3.1.D Test Pressure 10 Kg / Sq. Cm. |        |     |
| (a) | 63 mm                               | 106.00 | RMt |
| (b) | 75 mm                               | 150.00 | RMt |
| (c) | 90 mm                               | 213.00 | RMt |
| (d) | 110 mm                              | 320.00 | RMt |
| (e) | 125 mm                              | 412.00 | RMt |
| (f) | 140 mm                              | 513.00 | RMt |
| (g) | 160 mm                              | 672.00 | RMt |
| (h) | 180 mm                              | 848.00 | RMt |

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| <b>10</b> | <b>C.I.D.Joints</b>  |         |    |
|           | Supply and fitting of cast iron detachable joints(shorts & long) complete with joint flanges duly drilled, synthetic rubber sealing rings manufactured from styrene butadine rubber(SBR) and other require accessories such as nut bolts etc confirming to IS specification 8794-1988 or its latest revision if any suitable for use with AC pressure pipes, delivery of joints including its accessories including loading, unloading, carting, stacking, unsurance, all taxes, octroi etc. complete. (GWSSB CIVIL SOR 2022-23,Sec.A, I.no.12, P.no.17 to 19) |         |    |
|           | Short collar with ISI mark class -15   |         |    |
| (a)       | 80 mm  | 197.00  | No |
| (b)       | 100 mm   | 248.00  | No |
| (c)       | 150 mm   | 411.00  | No |
| (d)       | 200 mm   | 597.00  | No |
| (e)       | 250 mm   | 796.00  | No |
| (f)       | 300 mm   | 982.00  | No |
| (g)       | 350 mm   | 1638.00 | No |
| (h)       | 400 mm   | 1883.00 | No |
| (i)       | 450 mm   | 2278.00 | No |
| (j)       | 500 mm   | 3396.00 | No |
| (k)       | 600 mm   | 5049.00 | No |
|           | Long collar with ISI mark class -15  |         |    |
| (a)       | 80 mm  | 252.00  | No |
| (b)       | 100 mm   | 313.00  | No |
| (c)       | 150 mm   | 604.00  | No |
| (d)       | 200 mm   | 993.00  | No |
| (e)       | 250 mm   | 1311.00 | No |
| (f)       | 300 mm   | 1632.00 | No |
| (g)       | 350 mm   | 2232.00 | No |
| (h)       | 400 mm   | 2661.00 | No |
| (i)       | 450 mm   | 3196.00 | No |
| (j)       | 500 mm   | 5098.00 | No |
| (k)       | 600 mm   | 6977.00 | No |
| <b>11</b> | <b>PVC fittings</b>  |         |    |
|           | Providing and supplying at store or site of work inc. freight, loading, unloading, stacking, insurance & all taxes etc. complete. (GWSSB CIVIL SOR 2022-23,Sec.A, I.no.3.1, P.no.11 to 13)   |         |    |
|           | 9.2.A PVC couplers 6 Kg / Sq. Cm.(fabricated)  |         |    |
| (a)       | 63 mm  | 31.00   | No |
| (b)       | 75 mm  | 44.00   | No |



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|-----|--------|--------|----|
| (c) | 90 mm  | 78.00  | No |
| (d) | 110 mm | 133.00 | No |
| (e) | 140 mm | 295.00 | No |

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| (f) | 160 mm  | 439.00  | No |
| (g) | 200 mm  | 678.00  | No |
|     | 9.2.B PVC couplers 10 Kg / Sq. Cm.(moulded)                   |         |    |
| (a) | 63 mm   | 52.00   | No |
| (b) | 75 mm   | 90.00   | No |
| (c) | 90 mm   | 133.00  | No |
| (d) | 110 mm  | 235.00  | No |
| (e) | 140 mm  | 479.00  | No |
| (f) | 160 mm  | 629.00  | No |
| (g) | 200 mm  | 1145.00 | No |
|     | 9.2.C PVC Tail piece with PVC flange(ISI) heavy duty(moulded) |         |    |
| (a) | 63 mm   | 158.00  | No |
| (b) | 75 mm   | 187.00  | No |
| (c) | 90 mm   | 236.00  | No |
| (d) | 110 mm  | 320.00  | No |
| (e) | 140 mm  | 604.00  | No |
| (f) | 160 mm  | 811.00  | No |
|     | 9.2.D Service saddle 25mm (moulded) heavy                     |         |    |
| (a) | 63 mm   | 115.00  | No |
| (b) | 75 mm   | 144.00  | No |
| (c) | 90 mm   | 167.00  | No |
| (d) | 110 mm  | 184.00  | No |
| (e) | 140 mm  | 375.00  | No |
| (f) | 160 mm  | 465.00  | No |
|     | 9.2.E PVC Tee(moulded)  |         |    |
| (a) | 63x63 mm  | 125.00  | No |
| (b) | 75x63 mm  | 177.00  | No |
| (c) | 75x75 mm  | 199.00  | No |
| (d) | 90x63 mm  | 251.00  | No |
| (e) | 90x75 mm  | 297.00  | No |
| (f) | 90x90 mm  | 324.00  | No |
| (g) | 110x75 mm   | 338.00  | No |
| (h) | 110x90 mm   | 470.00  | No |
| (i) | 110x110 mm  | 407.00  | No |
| (j) | 140x140 mm  | 679.00  | No |
| (k) | 160x110 mm  | 857.00  | No |
| (l) | 160x160 mm  | 952.00  | No |
|     | 9.2.F PVC Elbow(moulded)                                      |         |    |
| (a) | 63 mm   | 77.00   | No |
| (b) | 75 mm   | 129.00  | No |
| (c) | 90 mm   | 216.00  | No |
| (d) | 110 mm  | 358.00  | No |

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| (e) | 140 mm | 539.00  | No |
| (f) | 160 mm | 687.00  | No |
| (g) | 200 mm | 1568.00 | No |

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|-----|--|---------|----|
|     | 9.2.G PVC Reducer(moulded)                   |         |    |
| (a) | 200x160 mm                                   | 901.00  | No |
| (b) | 160x140 mm                                   | 511.00  | No |
| (c) | 160x110 mm                                   | 375.00  | No |
| (d) | 160x90 mm                                    | 304.00  | No |
| (e) | 140x110 mm                                   | 252.00  | No |
| (f) | 140x90 mm                                    | 226.00  | No |
| (g) | 140x75 mm                                    | 226.00  | No |
| (h) | 110x90 mm                                    | 188.00  | No |
| (i) | 110x75 mm                                    | 182.00  | No |
| (j) | 110x63 mm                                    | 171.00  | No |
| (k) | 90x75 mm                                     | 110.00  | No |
| (l) | 90x63 mm                                     | 104.00  | No |
| (m) | 75x63 mm                                     | 83.00   | No |
|     | 9.2.H PVC Bend 90 degree (fabricated) 4.0 kg |         |    |
| (a) | 63 mm  | 73.00   | No |
| (b) | 75 mm  | 103.00  | No |
| (c) | 90 mm  | 190.00  | No |
| (d) | 110 mm                                       | 329.00  | No |
| (e) | 140 mm                                       | 733.00  | No |
| (f) | 160 mm                                       | 1089.00 | No |
| (g) | 200 mm                                       | 1511.00 | No |
|     | 9.2.I PVC Bend 90 degree (fabricated) 6.0 kg |         |    |
| (a) | 63 mm  | 89.00   | No |
| (b) | 75 mm  | 138.00  | No |
| (c) | 90 mm  | 236.00  | No |
| (d) | 110 mm                                       | 421.00  | No |
| (e) | 140 mm                                       | 1037.00 | No |
| (f) | 160 mm                                       | 1637.00 | No |
| (g) | 200 mm                                       | 3244.00 | No |
|     | 9.2.J PVC Bend 90 degree (moulded) light     |         |    |
| (a) | 63 mm  | 86.00   | No |
| (b) | 75 mm  | 129.00  | No |
| (c) | 90 mm  | 216.00  | No |
| (d) | 110 mm                                       | 358.00  | No |
| (e) | 140 mm                                       | 539.00  | No |
| (f) | 160 mm                                       | 687.00  | No |
|     | 9.2.K PVC Bend 90 degree (moulded) heavy     |         |    |
| (a) | 63 mm  | 118.00  | No |
| (b) | 75 mm  | 174.00  | No |
| (c) | 90 mm  | 318.00  | No |
| (d) | 110 mm                                       | 519.00  | No |
| (e) | 140 mm                                       | 809.00  | No |

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| (f) | 160 mm | 972.00 | No |
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| 12 | <b>Providing and laying compacted Granular Sub-Base (G.S.B.)</b> in required layer by providing course graded material (Grading V) using river bed materia such as unscreened gravel (CBR more than 30%) including spreading, watering consolidation by vibratory roller etc. complete. (without GST)<br>(RA as per R&B S.O.R. 2024-25 approved by Road project Dt.18-03-2025)   | 1045.00 | CUM |
| 13 | <b>Providing &amp; laying compected machine crushed black stone aggregate(of sevalia/Timba area) wet mix macadam(W.M.M) in the</b> material with water to OMC in mechanically mix (pug mill) carriage of mix material by tipper to site laying with Tractor Dozer, spreading and compacting in sub base, base course on well prepared under base of compacting power vibrater roller to achive the desired density (mechanically laid)(without GST). (RA as per R&B S.O.R. 2024-25 approved by Road project Dt.18-03-2025) | 1748.00 | CUM |