

**MIRA-BHANDAR MUNICIPAL CORPORATION  
SCHEDULE 'B'**

**NAME OF WORK :- Construction of Cement Concrete Road From Bhainder (W), From Sahakar Jyot To Moti Nagar In Mira-Bhainder Municipal Corporation Area. S19.**

| Item No           | Quantity as per Sanctioned Estimate | Item of Work   | Estimated Rate |     |   | Unit | Total Amount according to estimated quantities | Specification |         | Additional Specification   |
|-------------------|-------------------------------------|--|----------------|-----|---|------|--|---------------|---------|--|
|                   |                                     |  | In Figures     |     | In Words  |      |  | Clause No     | Page No |  |
|                   |                                     |  | Rs.            | Ps. | Rs.   |      |  |               |         |  |
| 1                 | 2                                   | 3  | 4              | 5   | 6   | 7    | 8  | 9             | 10      | 11   |
| <b>Item No. 1</b> | 0.00                                | Cutting down trees including trunks and branches with girths of the following sizes and stacking the materials neatly with all lifts and lead of 1000m. as directed and earth filling in the depression/pit if any.  |                |     |   |      |  |               |         | As per Instruction given by Executive Engineer/ Site Engineer during execution of work |
|                   | 3.00                                | i) With girth of 30-60cm   | 536            | 55  | Rupees Five Hundred ThirtySix Paise FiftyFive Only              | Nos  | 1609.65  |               |         | As per   |
|                   | 1.00                                | ii) With girth of 60-90cm  | 889            | 35  | Rupees Eight Hundred EightyNine Paise ThirtyFive Only           | Nos  | 889.35   |               |         | As per   |
|                   | 1.00                                | iii) With girth of 90-180cm  | 1,833          | 30  | Rupees One Thousand Eight Hundred ThirtyThree Paise Thirty Only | Nos  | 1833.30  |               |         | As per   |
| <b>Item No. 2</b> | 84.00                               | Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthen bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 5.0 to 9.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) | 211            | 5   | Rupees Two Hundred Eleven Paise Five Only                       | Hour | 17728.20                                       |               |         | As per   |



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|-------------|---------|---|-------|----|--|-----|------------|--|--|--------|
| Item No. 9  | 52.88   | Excavation for foundation /pipe trenches in slush Muddy/ Marshy / Slushy /Soil including use of poclain, labour for dewatering during execution including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, preparing the bed by cleaning the mud, labour required for execution for shutterng item but excluding backfilling etc. complete. Providing and fixing shuttering shall be paid separately. Lift 0 to 1.5 M | 388   | 50 | Rupees Three Hundred EightyEight Paise Fifty Only                    | Cum | 20541.94   |  |  | As per |
| Item No. 10 | 370.13  | Watering and compacting of embankment formed of materials obtained from the road cutting within a lead of 50 m, not less than 97% of standard Proctor density after laying them in layers of 20 cm. to 30 cm. with Power roller.  | 82    | 95 | Rupees EightyTwo Paise NinetyFive Only                               | Cum | 30701.87   |  |  | As per |
| Item No. 11 | 0.00    | Providing earth work in embankment with approved materials obtained from other sources upto lead of 50m. including all lifts, laying in layers of 20cm. to 30cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than 97 % of standard proctor density etc. complete ( Material obtained from Other sources) Subgrade   | 1,378 | 49 | Rupees One Thousand Three Hundred SeventyEight Paise FourtyNine Only | Cum | 0.00       |  |  | As per |
| Item No. 12 | 1735.00 | Transportation of excess excavated materials upto 20 kms distance including loading, unloading, stacking and spreading as directed etc. complete.   | 468   | 37 | Rupees Four Hundred SixtyEight Paise ThirtySeven Only                | Cum | 812621.95  |  |  | As per |
| Item No. 13 | 0.00    | Construction of Granular Sub Base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 Plant Mix Method  |       |    |  |     |            |  |  |        |
|             | 630.28  | ii) Grading - II Material   | 3,701 | 4  | Rupees Three Thousand Seven Hundred One Paise Four Only              | Cum | 2332691.49 |  |  | As per |

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|-------------|--------|--|-------|----|--|-----|------------|--|--|--------|
| Item No. 14 | 232.89 | Construction of dry lean cement concrete Subbase over a prepared subgrade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant/ Weigh batch mixer, transported to site with all leads and lifts, laid with a paver with electronic sensor /by suitable means as approved by Engineerincharge, compacting with vibratory roller, finishing, curing and including preparation of subgrade surface if required etc. complete.  | 5,334 | 74 | Rupees Five Thousand Three Hundred ThirtyFour Paise SeventyFour Only | Cum | 1242407.60 |  |  | As per |
| Item No. 15 | 493.50 | Providing and laying insitu M-40 Grade unreinforced plain cement concrete pavement with max 20% fly Ash ( Flyash upto 20% by weight of Cement) over a prepared sub base with 43 grade cement , coarse and fine aggregate conforming to IS 383, using fine & coarse aggregates combined gradation as per Table 6003 of MORTH Specification 2013, mixed in a batching and mixing plant/ non tilting mixer and Weigh batcher as per approved mix design, admixtures, transporting to site, spreading, laying compacting and finished in a continuous operation, finishing to lines, grades and brooming/tanning as directed by Engineerincharge and curing by curing compound /by providing cement vata in cement Mortar 1:8 @0.6m X 0.6m centre to centre, admeasuring 80 mm at bottom and 40 mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineerincharge (initial lead of 5.00 Km for raw materials up to plant site) Spec. No. M.O.R.T.& H 2013. CI602 P.N.263 | 9,770 | 6  | Rupees Nine Thousand Seven Hundred Seventy Paise Six Only            | Cum | 4821524.61 |  |  | As per |
| Item No. 16 | 599.00 | Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm. .in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge.   | 79    | 80 | Rupees SeventyNine Paise Eighty Only                                 | Cum | 47800.20   |  |  | As per |

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|--------------------|---------|--|-------|----|--|-----|-----------|--|--|--------|
| <b>Item No. 17</b> | 1645.00 | Providing and laying 125 micron Low Density Polyethylene (LDPE) sheet confirming to IS 3395 : 1997 below concrete pavement including all materials and labour complete.  | 31    | 50 | Rupees ThirtyOne Paise Fifty Only                        | Sqm | 51817.50  |  |  | As per |
| <b>Item No. 18</b> | 10.50   | Providing expansion joints with 25mm thick bituminous pad as per detailed drawings etc. complete.  | 1,140 | 30 | Rupees One Thousand One Hundred Fourty Paise Thirty Only | Sqm | 11973.15  |  |  | As per |
| <b>Item No. 19</b> | 599.00  | Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (appraox. 25% larger than the initial 3 mm.to 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8 mm.wide) | 326   | 55 | Rupees Three Hundred TwentySix Paise FiftyFive Only      | Rmt | 195603.45 |  |  | As per |
| <b>Item No. 20</b> | 0.00    | Providing & laying R.C.C. running beam in M-40 cement concrete including required formwork mixing, compacting & curing, etc. complete reinforced with 12mm dia.(Minimum 4 Nos.)M.S. main bars & 6mm Dia M.S.ring sat 15 cm c/c to be anchored in slipper slab properly with M.S. reinforcement as per drawing etc. complete as specified (Steel will not be paid separately).Contractor has to make his own arrangement for potable water for construction/curing with hessian cloth, etc. & will not be paid separately.Beam Size: b) 23 cm. x 30 cm.   | 844   | 0  | Rupees Eight Hundred FourtyFour Only                     | Rmt | 0.00      |  |  | As per |
| <b>Item No. 21</b> | 1272.00 | Providing and fixing in position TMT FE 500, 32 mm dia dowel bars precoated with anticorrosive epoxy paint of required Dia. 60 cms. Long and at 30.00 cm. C/C and wherever directed including handling, straightening, necessary cutting supported by TMT FE 500, chairs with proper alignment by using properly designed assembly of Bulkheads lubricating half length with bituminous paint as directed etc. complete.   | 564   | 90 | Rupees Five Hundred SixtyFour Paise Ninety Only          | Nos | 718552.80 |  |  | As per |

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|-------------|---------|---|--------|----|---|-----|-----------|--|--|--------|
| Item No. 22 | 784.00  | Providing and fixing in position TMT FE 500, tie bars pre-coated with anticorrosive epoxy paint of 12 mm dia. 70 cms.long and at 30.00 cm. C/C and wherever directed including handling, straightening wrapping with paper of approved quality for half length, necessary cutting, handling, straightening , supported by assembly of TMT FE 500, chairs with proper alignment etc. complete.   | 321    | 30 | Rupees Three Hundred TwentyOne Paise Thirty Only                  | Nos | 251899.20 |  |  | As per |
| Item No. 23 | 1272.00 | Providing & fixing high density polythene pipe of approved quality to fit around the dowel bars of 32 mm dia at the end of expansion joints,fully greased inside, cotton waste the pipe around the dowel bars & the pipe duly capped at the end as rected. (H.D.P. pipe shall be 30cm in length) As shown in the drawing  | 31     | 0  | Rupees ThirtyOne Only   | Nos | 39432.00  |  |  | As per |
| Item No. 24 | 822.50  | Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying, primer at the rate of 0.60 kg/sqm using mechanical means.   | 37     | 23 | Rupees ThirtySeven Paise TwentyThree Only                         | Sqm | 30621.68  |  |  | As per |
| Item No. 25 | 1645.00 | Providing and applying Tack coat on the prepared surface heating by fumes in Boiler and spraying bitumen set footed in bitumen boiler on B.T. surface 2.5 kg/10 sqm.(VG-30 bulk bitumen rates are considered to arrive at rates)  | 19     | 1  | Rupees Nineteen Paise One Only                                    | Sqm | 31271.45  |  |  | As per |
| Item No. 26 | 61.69   | DENSE BITUMINOUS MACADAM: Providing and laying dense bituminous macadam using crushed aggregates of Grading 1, premixed with bituminous binder of specified grade of Bitumen @ 4.50 per cent by weight of total mix and filler, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired density for 76-100 mm compacted thickness .USING Batch mix type hot mix plant with SCADA, Sensor Paver, Vibratory roller with Stone Dust filler.(VG-30 bulk bitumen rates are considered to arrive at rates) | 11,380 | 35 | Rupees Eleven Thousand Three Hundred Eighty Paise ThirtyFive Only | Cum | 702025.34 |  |  | As per |



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|--------------------|-------|---|--------|----|---|-----|-----------|--|--|--------|
| <b>Item No. 31</b> | 78.61 | Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.),with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) | 8,029  | 76 | Rupees Eight Thousand TwentyNine Paise SeventySix Only                  | Cum | 631219.43 |  |  | As per |
| <b>Item No. 32</b> | 13.22 | Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork ,cover blocks, laying/pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)  | 8,937  | 41 | Rupees Eight Thousand Nine Hundred ThirtySeven Paise FourtyOne Only     | Cum | 118141.39 |  |  | As per |
| <b>Item No. 33</b> | 40.35 | Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)   | 17,823 | 56 | Rupees Seventeen Thousand Eight Hundred TwentyThree Paise FiftySix Only | Cum | 719180.65 |  |  | As per |

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|-------------|--------|--|--------|----|---|-----|------------|--|--|--------|
| Item No. 34 | 107.05 | Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, compaction, finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) M-25  | 16,174 | 61 | Rupees Sixteen Thousand One Hundred SeventyFour Paise SixtyOne Only   | Cum | 1731492.00 |  |  | As per |
| Item No. 35 | 0.00   | Providing and Laying weep holes 100 mm Diameter PVC pipes as per Drawing for abutment returns, return walls etc. complete.   | 559    | 65 | Rupees Five Hundred FiftyNine Paise SixtyFive Only                    | Rmt | 0.00       |  |  | As per |
| Item No. 36 | 28.80  | Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592- 1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and Nos, filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. | 1,555  | 5  | Rupees One Thousand Five Hundred FiftyFive Paise Five Only            | Rmt | 44785.44   |  |  | As per |
| Item No. 37 | 15.13  | Providing and fixing in position TMT- Fe-500/Fe-415 bar reinforcement of TATA TISCON /SAILI /JSW /ESSAR or equivalent make (confirming to IS code) of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required including cover block etc. complete.   | 94,188 | 15 | Rupees NinetyFour Thousand One Hundred EightyEight Paise Fifteen Only | M.T | 1425066.71 |  |  | As per |

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| <b>Item No. 38</b> | 203.00 | Providing and laying concrete pipes of I.S.NP. class of 300mm diameter in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete.  | 781    | 20 | Rupees Seven Hundred EightyOne Paise Twenty Only                | Rmt | 158583.60 |  |  | As per |
| <b>Item No. 39</b> | 0.00   | Providing and casting in situ / ready mix PCC M20 grade of trap metal for coping to head walls / parapet including centering, form work, compaction and curing etc. complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with fine aggregates of required specifications (Natural sand / VSI sand finely washed etc )   | 11,067 | 90 | Rupees Eleven Thousand SixtySeven Paise Ninety Only             | Cum | 0.00      |  |  | As per |
| <b>Item No. 40</b> | 0.00   | Providing and laying of filter media with granular materials/ stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2 of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition as per drawing and technical specifications etc. complete. | 2,491  | 42 | Rupees Two Thousand Four Hundred NinetyOne Paise FourtyTwo Only | Cum | 0.00      |  |  | As per |
| <b>Item No. 41</b> | 82.30  | Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 . The finished surface to be level, uniform and free from streaks and holes.complete.  | 699    | 30 | Rupees Six Hundred NinetyNine Paise Thirty Only                 | Sqm | 57552.39  |  |  | As per |
| <b>Item No. 42</b> | 42.00  | Painting Line, Dashes, Arrows etc on Roads in two coats on new work with ready mixed road marking paint conforming to I.S. 164 on Bituminous surface including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Over/Upto __cm wide) (MORTH-803) -- New Surface   | 205    | 80 | Rupees Two Hundred Five Paise Eighty Only                       | Sqm | 8643.60   |  |  | As per |

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|-------------|------|--|--------|----|--|-----|----------|--|--|--------|
| Item No. 43 | 3.00 | <p>Providing and fixing Mandatory / Regulatory sign board of circular shape of size 60 cm. dia. prepared on 16 gauge M.S. sheet including painting with zinc chromate stoving primer and two coats each of white back ground, red border and backside gray stove enamelled, bonded with cut out of Retro reflective sheet Engineering grade, symbol / letters / numerals / border, coated with non peelable crystal clear protective transparent coat retaining 100% reflection including one Nos of M.S. Angle iron post of size 50 x 50 x 5 mm of 3.45 m. long inflated at bottom drilled on top in one piece without joint painted with white and black bands of 30 cm. fixing board and post with 2 Nos. high strength G.I. bolts and nuts of size 10 mm dia. and 20 mm long including all taxes, conveying, fixing in ground with cement concrete 1:4:8 block of 60 cm x 60 cm x 75 cm size etc. complete. circular shape of size 60 cm. dia. M.S. sheet with Retro reflective sheet Engineering grade</p>  | 6,095  | 25 | Rupees Six Thousand NinetyFive Paise TwentyFive Only           | Nos | 18285.75 |  |  | As per |
|             |      |  |        |    |  |     |          |  |  |        |
| Item No. 44 | 3.00 | <p>Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area greater than 0.9 Sqm made out of ___mm aluminum sheet bonded with white retro reflective sheeting of Class ___ ( Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retroreflective specified back ground, border and back side retroreflective symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on two no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixtures and transportation etc. complete. The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B ( Type IV High intensity micro-prismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.</p> | 10,277 | 40 | Rupees Ten Thousand Two Hundred SeventySeven Paise Fourty Only | Sqm | 30832.20 |  |  | As per |

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|             |       |  |     |    |  |     |          |  |  |        |
| Item No. 45 | 3.00  | Providing and fixing Cautionary/Warning sign boards in Equilateral Triangle size of 1200 mm made out of 2mm aluminum sheet bonded with white retro reflective sheeting of Class B ( Type IV High intensity microprismatic grade sheetingHIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflective symbols, letters, numerals, arrow as per IRC:672012 Table No 8.3 supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. Class B ( Type IV High intensity microprismatic grade sheetingHIP) shall have 7 years written warranty from the manufacturer & authorised distributor/convertor issued for field performance including the screen printed areas and cutout sheeting and cutout durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier. |     |    |  | Sqm | 22516.20 |  |  | As per |
|             |       |  |     |    |  |     |          |  |  |        |
| Item No. 46 | 0.00  | Providing and laying in trenches HEAVY (Class 'C' ) following dia grade heavy having embossed as ISI Mark galvanised iron pipes weight of follwing Kg/metre with necessary fittings. remaking good the demolished portion and applying primer of anticorrosive oil paint 2 coats complete.   |     |    |  | 0   | 0.00     |  |  | As per |
|             |       |  |     |    |  |     |          |  |  |        |
|             | 45.00 | i) 15 mm, (1.48 kg per RMT)  | 476 | 70 | Rupees Four Hundred SeventySix Paise Seventy Only  | Rmt | 21451.50 |  |  | As per |
|             |       |  |     |    |  |     |          |  |  |        |
|             | 35.00 | ii) 20 mm, (1.953 kg per RMT)  | 517 | 65 | Rupees Five Hundred Seventeen Paise SixtyFive Only | Rmt | 18117.75 |  |  | As per |
|             |       |  |     |    |  |     |          |  |  |        |
|             | 50.00 | iii) 25 mm, (3.058 kg per RMT)   | 670 | 95 | Rupees Six Hundred Seventy Paise NinetyFive Only   | Rmt | 33547.50 |  |  | As per |



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|--------------------|-------|---|--------|---|---|-----|-----------|--|--|--------|
| <b>Item No. 48</b> | 5.00  | Raising of manholes / chambers to the required level including removing the old frame and cover, brickwork with min 16cm thick coping in CC M30, plastering the wall in C.M. 1:3 externally and internally with neat cement rendering , curing, refixing the frame and cover etc complete, as directed by Engineer in Charge.   | 3,155  | 0 | Rupees Three Thousand One Hundred FiftyFive Only              | Nos | 15775.00  |  |  | As per |
| <b>Item No. 49</b> | 5.00  | Providing and constructing stormwater drain brick masonry conical manhole as per standard drawings (Dwg No. MCGM/SWD/2013-01), with 1.20 m internal dia at bottom , 0.56m internal dia at top as per IS 4111: Part 1:1986 Cl.4.9 for a depth 1.50 m built in brick masonry in cement mortar 1:2, 20 mm thick plastering both internal and external faces of walls in cement mortar 1:1 (without waterproofing compound) and neat cement rendering so as to give a smooth surface, including 300 mm thick M- 15 grade cement concrete in foundation and in haunches and channels finished smooth with 20 mm thick cement plaster in cement mortar 1:1 and providing & installing approved Co-polymer polypropylene steel reinforced manhole safety step (weighing between 0.8 to 0.9 Kg) at 375 mm c/c, including 75 mm wide vata all round the external portion of the manhole and the foundation concrete in cement mortar 1:1 ,and supporting the incoming and outgoing pipes with brick masonry wherever necessary, including 300 mm high cap in M-30 grade concrete finishing with cement plaster on both sides in CM 1:1, with necessary centering , shuttering etc. all complete as per Standard Specification no SP-SWD-2 and as per drawing (Dwg No. MCGM/SWD/2013-01), and/or as specified & as directed by Engineer-in-Charge, excluding cost of excavation, providing & fixing frame and covers. | 29,730 | 0 | Rupees TwentyNine Thousand Seven Hundred Thirty Only          | Nos | 148650.00 |  |  | As per |
| <b>Item No. 50</b> | 5.00  | Supplying and fixing 0.56m dia circular extra heavy duty (EHD) SFRC frame and cover as per drawing fixed complete to manhole as specified and directed  | 5,194  | 0 | Rupees Five Thousand One Hundred NinetyFour Only              | Nos | 25970.00  |  |  | As per |
| <b>Item No. 51</b> | 32.00 | Providing and fixing reinforced cement concrete cover of size 90 cm x 45 cm with frame over inspection chamber etc. complete. Heavy duty (225 Kilogram)   | 5,923  | 5 | Rupees Five Thousand Nine Hundred TwentyThree Paise Five Only | Nos | 189537.60 |  |  | As per |

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|-------------|--------|---|-------|----|--|-----|------------|------|--|--------|
| Item No. 52 | 620.22 | Providing and laying footpath stamp concrete with base coat in situ/ready mix C.C. M-25 Grade, having thickness 60 to 75 mm, above base coat, coloured hardener @ 3.5 kg to 4 kg/sqm sealer material .20 kg/sqm with lacquer finishing etc paving with approved colour stamping shapes with all necessary compaction finishing, curing etc. compacted as per standard specification | 3,149 | 81 | Rupees Three Thousand One Hundred FortyNine Paise EightyOne Only | Sqm | 1953574.46 |      |  | As per |
| Item No. 53 | 157.00 | Providing and fixing in position steel fibre reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tonnes capacity)   | 3,454 | 50 | Rupees Three Thousand Four Hundred FiftyFour Paise Fifty Only    | Nos | 542356.50  |      |  | As per |
|             | 0.00   | WATER SUPPLY  |       |    |  | 0   | 0          | 0.00 |  | As per |
| Item No. 54 | 0.00   | Dismantling dead pipeline of M.S./R.C.C./ C.I./ P.S.C. and G.I./ A. C. / P. V. C. / S. W. / H. D. P. E. pipe including cost of necessary excavation and refilling of trenches, breaking the joints, lifting the pipes and stacking to the place as directed by Engineer-in-charge with all leads and lifts including cleaning the surface, etc. complete.                           |       |    |  | 0   | 0          | 0.00 |  | As per |
|             | 510.00 | 200 mm Dia  | 250   | 80 | Rupees Two Hundred Fifty Paise Eighty Only                       | Rmt | 127908.00  |      |  | As per |
|             | 310.00 | 300 mm Dia  | 301   | 40 | Rupees Three Hundred One Paise Forty Only                        | Rmt | 93434.00   |      |  | As per |
|             | 110.00 | 500 mm Dia  | 437   | 80 | Rupees Four Hundred ThirtySeven Paise Eighty Only                | Rmt | 48158.00   |      |  | As per |
| Item No. 55 | 0.00   | Excavation for foundation/pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material spreading as directed, normal dewatering, preparing the bed for upto a distance of 50 metres and lifts as below, stacking and foundation and excluding backfilling, etc. complete.   | 165   | 0  | Rupees One Hundred SixtyFive Only                                | Cum | 0.00       |      |  | As per |

|                    |        |  |       |    |   |        |           |  |  |        |
|--------------------|--------|--|-------|----|---|--------|-----------|--|--|--------|
| <b>Item No.</b> 56 | 0.00   | Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel), etc. complete. (Bd-A-9/261)   | 84    | 70 | Rupees EightyFour Paise Seventy Only                          | Bhp/hr | 0.00      |  |  | As per |
| <b>Item No.</b> 57 | 657.00 | Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15cm layers with all leads and lifts including consolidation, surcharging, etc.complete   | 92    | 40 | Rupees NinetyTwo Paise Fourty Only                            | Cum    | 60706.80  |  |  | As per |
| <b>Item No.</b> 58 | 0.00   | Providing D.I. pipes (push on joints pressure pipes of D. I. of following class and diameters confirming to the I. S. specification inclusive cost of jointing materials (Rubber gasket of EPDM Quality ) excluding GST levied by GOI & GOM in all respect including Third party inspection charges of TPI Agency approved by MJP including Transit insurance, Railway Freight, Unloading from railway wagon, Loading into Truck, Transportation to departmental store, unloading, stacking etc. completed as directed by Engineer in charges (IS 1536/2001 for pipes and IS 158/1969 and IS 12820/1989 or latest edition/ revision with amendments for Rubber Gaskets. ( D. I. K-7) |       |    |   |        |           |  |  |        |
|                    | 255.00 | 200 mm Dia   | 1,841 | 40 | Rupees One Thousand Eight Hundred FourtyOne Paise Fourty Only | Rmt    | 469557.00 |  |  | As per |
|                    | 155.00 | 300 mm Dia   | 3,071 | 20 | Rupees Three Thousand SeventyOne Paise Twenty Only            | Rmt    | 476036.00 |  |  | As per |
|                    | 55.00  | 500 mm Dia   | 6,422 | 90 | Rupees Six Thousand Four Hundred TwentyTwo Paise Ninety Only  | Rmt    | 353259.50 |  |  | As per |
| <b>Item No.</b> 59 | 0.00   | Lowering laying and jointing with SBR ruber gaskets C.I. S/S pipes of various classes with CI / MS specials of following diameter in proper position, grade and alignment as directed by Engineer-in-charge including conveyance of material from stores to site of work, including cost of jointing materials and rubber rings labour etc. complete.  |       |    |   |        |           |  |  |        |

|                    |         |  |       |    |   |     |           |  |  |        |
|--------------------|---------|--|-------|----|---|-----|-----------|--|--|--------|
|                    | 255.00  | 200 mm Dia   | 137   | 50 | Rupees One Hundred ThirtySeven Paise Fifty Only                   | Rmt | 35062.50  |  |  | As per |
|                    | 155.00  | 300 mm Dia   | 202   | 40 | Rupees Two Hundred Two Paise Fourty Only                          | Rmt | 31372.00  |  |  | As per |
|                    | 55.00   | 500 mm Dia   | 372   | 90 | Rupees Three Hundred SeventyTwo Paise Ninety Only                 | Rmt | 20509.50  |  |  | As per |
| <b>Item No. 60</b> | 0.00    | Providing and supplying ISI standard D.I. specials & fitting with sealing rubber gasket of S.B.R, complete with cast iron follower gland and M.S. nut bolts coated or other wise protected from rusting and suitable for D.I.pipes including cost of labour,materials,and transportation to stores/site ,loading and unloading excluding GST levied by GOI & GOM in all respect, complete as per IS-9523.For all types of specials, bends tees etc.  |       |    | 0   |     |           |  |  |        |
|                    | 1250.00 | 80 to 300 mm dia   | 122   | 10 | Rupees One Hundred TwentyTwo Paise Ten Only                       | Kg  | 152625.00 |  |  | As per |
| <b>Item No. 61</b> | 0.00    | Providing and making MDPE pipe consumer service connectionon C.I./DI/H.D.P.E.pipe With the help of electro fusion machine or Ratchet and dye drill including all labour, MDPE machine or Ratchet and dye drill including all labour, MDPE pipe10 m length, MDPE specials like electro fusion tee, double compressionelbow, female threaded adopter with metal insert, UPVC compression end ball valve,G.I.casing pipe of 40/50 mm for road crossing. The rate to include labour required, excavation fitting, refilling, Closing the water supply in that area,dewatering and restarting the water supply, transportation etc. complete as directed by Engineer in charge. |       |    | 0   |     |           |  |  |        |
|                    | 180.00  | i) 15mm  | 3,797 | 20 | Rupees Three Thousand Seven Hundred NinetySeven Paise Twenty Only | Nos | 683496.00 |  |  | As per |
|                    | 150.00  | iii) 25mm  | 5,740 | 90 | Rupees Five Thousand Seven Hundred Fourty Paise Ninety Only       | Nos | 861135.00 |  |  | As per |

|                    |        |   |        |    |   |     |          |  |  |        |
|--------------------|--------|---|--------|----|---|-----|----------|--|--|--------|
| <b>Item No. 62</b> | 0.00   | Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (Shalimar,Ciba or Mahindra & Mahindra make) from inside and outside excluding all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges,transportation to stores/site, and stacking, etc. complete.  |        |    |   |     |          |  |  |        |
|                    | 100.00 | 200 mm Dia  | 104    | 50 | Rupees One Hundred Four Paise Fifty Only                            | Kg  | 10450.00 |  |  | As per |
| <b>Item No. 63</b> | 0.00   | Supply of C. I. Mechanical Compression Flanged / Socket Tailpiece (Popularly known as I TM 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 Tailpiec 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. The rates are inclusive of cost of material, freight charges, loading, transportation and unloading at departemental store, excluding GST levied by Gol and GoM in all respect, etc. complete as directed. |        |    |   |     |          |  |  |        |
|                    | 10.00  | 200 mm Dia  | 3,668  | 50 | Rupees Three Thousand Six Hundred SixtyEight Paise Fifty Only       | Rmt | 36685.00 |  |  | As per |
|                    | 8.00   | 300 mm Dia  | 6,195  | 20 | Rupees Six Thousand One Hundred NinetyFive Paise Twenty Only        | Rmt | 49561.60 |  |  | As per |
|                    | 4.00   | 500 mm Dia  | 15,728 | 90 | Rupees Fifteen Thousand Seven Hundred TwentyEight Paise Ninety Only | Rmt | 62915.60 |  |  | As per |

|                    |       |   |        |    |   |     |           |  |  |        |
|--------------------|-------|---|--------|----|---|-----|-----------|--|--|--------|
| <b>Item No. 64</b> | 0.00  | Providing and supplying D.I. fittings with ISI mark Mechanical joint confirming to tables 12 to table 31 of IS 9523/2000 upto latest amendments including cost of SBR/ EDPM gaskets, Nuts, Bolts, Washers and Ductile iron follower glands. Fittings should be with internally Ordinary portland cement mortar lined and externally metallic zinc coating/zinc rich paint with finishing layer of black bitumen coating including transportation upto store excluding GST levied by GOI & GOM in all respect etc. complete. |        |    |   | 0   | 0.00      |  |  | As per |
|                    | 10.00 | 200 mm Dia  | 5,792  | 60 | Rupees Five Thousand Seven Hundred NinetyTwo Paise Sixty Only | 0   | 57926.00  |  |  | As per |
|                    | 10.00 | 300 mm Dia  | 9,933  | 0  | Rupees Nine Thousand Nine Hundred ThirtyThree Only            | 0   | 99330.00  |  |  | As per |
|                    | 10.00 | 500 mm Dia  | 26,301 | 0  | Rupees TwentySix Thousand Three Hundred One Only              | 0   | 263010.00 |  |  | As per |
|                    | 0.00  |   |        |    |   | 0   | 0.00      |  |  | As per |
| <b>Item No. 65</b> | 0.00  | Gas cutting (either square cut or V cut) pipes, plates, etc. of thickness.  |        |    |   | 0   | 0.00      |  |  | As per |
|                    | 18.00 | Upto 5 mm.  | 105    | 60 | Rupees One Hundred Five Paise Sixty Only                      | Rmt | 1900.80   |  |  | As per |
|                    | 13.00 | Above 5 mm. Upto 10 mm.   | 148    | 50 | Rupees One Hundred FourtyEight Paise Fifty Only               | Rmt | 1930.50   |  |  | As per |
|                    | 0.00  |   |        |    |   | 0   | 0.00      |  |  | As per |
| <b>Item No. 66</b> | 39.62 | Providing and laying in situ, following grades of C.C. of trap /granite / quartzite / gneiss metal for foundation and bedding including dewatering, formwork, compacting and curing, finishing, etc. complete. Grade M-15   | 6,204  | 0  | Rupees Six Thousand Two Hundred Four Only                     | Cum | 245802.48 |  |  | As per |
|                    | 0.00  |   |        |    |   | 0   | 0.00      |  |  | As per |

|             |       |   |       |    |  |     |          |  |  |        |
|-------------|-------|---|-------|----|--|-----|----------|--|--|--------|
| Item No. 67 | 0.00  | Making cross connection to existing distribution main of any type including excavation, breaking and removing existing pipes, lowering, laying of specials and pipes in their position, refilling, closing the water supply in that area, dewatering and restarting the water supply, etc. complete as directed by Engineer-in-charge for following diameters of existing pipeline, irrespective of diameter of branch line (the Nos of joints involved will be paid separately depending upon the nature of joints and required pipes, valves and specials will be supplied free of cost at stores). |       |    |  | 0   | 0.00     |  |  | As per |
|             | 10.00 | 100 mm dia  | 3,122 | 90 | Rupees Three Thousand One Hundred TwentyTwo Paise Ninety Only    | Nos | 31229.00 |  |  | As per |
|             | 10.00 | 150 mm dia  | 3,833 | 50 | Rupees Three Thousand Eight Hundred ThirtyThree Paise Fifty Only | Nos | 38335.00 |  |  | As per |
|             | 5.00  | 200 mm dia  | 4,012 | 80 | Rupees Four Thousand Twelve Paise Eighty Only                    | Nos | 20064.00 |  |  | As per |
|             | 3.00  | 300 mm dia  | 5,680 | 40 | Rupees Five Thousand Six Hundred Eighty Paise Fourty Only        | Nos | 17041.20 |  |  | As per |
|             | 0.00  |   |       |    |  | 0   | 0.00     |  |  | As per |
| Item No. 68 | 0.00  | Providing, double flanged short body pattern type manually operated Butterfly Valve having body,discand end cover ingraded cast iron to IS-210 Gr.CF 200 generally conforming to IS-13095-1991, Synthetic rubber faced ring secured on discbyretaining ring with stainless steel screw stub shaft of stainless steel riding in teflon bearing including inspection charges, transportation upto departmental store,unloading,stacking excluding GST levied by GOI & GO Min all respect etc. excluding C.C.foundation/structural steel support.  |       |    |  | 0   | 0.00     |  |  | As per |
|             | 5.00  | 100 mm dia  | 8,192 | 80 | Rupees Eight Thousand One Hundred NinetyTwo Paise Eighty Only    | Nos | 40964.00 |  |  | As per |

|                    |      |  |        |    |   |     |           |  |  |        |
|--------------------|------|--|--------|----|---|-----|-----------|--|--|--------|
|                    | 5.00 | 150 mm dia   | 12,078 | 0  | Rupees Twelve Thousand SeventyEight Only                            | Nos | 60390.00  |  |  | As per |
|                    | 5.00 | 200 mm dia   | 16,095 | 20 | Rupees Sixteen Thousand NinetyFive Paise Twenty Only                | Nos | 80476.00  |  |  | As per |
|                    | 2.00 | 300 mm dia   | 31,832 | 90 | Rupees ThirtyOne Thousand Eight Hundred ThirtyTwo Paise Ninety Only | Nos | 63665.80  |  |  | As per |
|                    | 3.00 | 500 mm dia   | 81,708 | 0  | Rupees EightyOne Thousand Seven Hundred Eight Only                  | Nos | 245124.00 |  |  | As per |
| <b>Item No. 69</b> | 0.00 | Lowering, laying and jointing in position following C.I.D/F Reflex valves, Butterfly valves and Sluice valves including cost of all labour jointing material, including nut bolts and giving satisfactory hydraulic testing etc. complete. (Rate for all class of valves.) |        |    |   | 0   | 0.00      |  |  | As per |
|                    | 2.00 | 100 mm dia   | 2,499  | 20 | Rupees Two Thousand Four Hundred NinetyNine Paise Twenty Only       | Nos | 4998.40   |  |  | As per |
|                    | 2.00 | 200 mm dia   | 4,085  | 40 | Rupees Four Thousand EightyFive Paise Forty Only                    | Nos | 8170.80   |  |  | As per |
|                    | 2.00 | 300 mm dia   | 5,520  | 90 | Rupees Five Thousand Five Hundred Twenty Paise Ninety Only          | Nos | 11041.80  |  |  | As per |
|                    | 2.00 | 500 mm dia   | 10,113 | 40 | Rupees Ten Thousand One Hundred Thirteen Paise Forty Only           | 0   | 20226.80  |  |  | As per |

|                    |       |   |       |     |   |     |          |      |  |        |
|--------------------|-------|---|-------|-----|---|-----|----------|------|--|--------|
| <b>Item No.</b> 70 | 0.00  | Desposing the excavated material including all loading, unloading, stacking upto 15km from site etc completed   | 531   | 916 | Rupees Five Hundred ThirtyOne Paise NinetyTwo Only                | Nos | 0.00     |      |  | As per |
| <b>Item No.</b> 71 |       | Providing andfixing C.I. road box including loading, unloading and carting to site of work including all necessary excavation in all types of strata and fixing in murum packing, etc.complete.   |       |     |   |     |          |      |  |        |
|                    | 20.00 | a) 100 mm x 225 mm (20 kg)  | 1,698 | 40  | Rupees One Thousand Six Hundred NinetyEight Paise Fourty Only     | Nos | 33968.00 |      |  | As per |
|                    | 22.00 | b) 225 mm x 300 mm (40 kg)  | 3,347 | 30  | Rupees Three Thousand Three Hundred FourtySeven Paise Thirty Only | Nos | 73640.60 |      |  | As per |
| <b>Item No.</b> 72 | 0.00  | Welding in all positions with required Nos of runs, for M.S. pipes internally and /or externally including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as per specification. |       |     |   |     |          |      |  |        |
|                    | 0.00  | A) Butt Joints :  |       |     |   |     |          |      |  |        |
|                    | 22.00 | 6 mm  | 823   | 90  | Rupees Eight Hundred TwentyThree Paise Ninety Only                | Rmt | 18125.80 |      |  | As per |
|                    | 22.00 | 8 mm  | 1,153 | 90  | Rupees One Thousand One Hundred FiftyThree Paise Ninety Only      | Rmt | 25385.80 |      |  | As per |
|                    | 0.00  | B) Lap joints with convex fillet welds Lap Lengths  |       |     |   |     |          |      |  |        |
|                    | 22.00 | 6 mm  | 414   | 70  | Rupees Four Hundred Fourteen Paise Seventy Only                   | Rmt | 9123.40  |      |  | As per |
|                    | 20.00 | 8 mm  | 548   | 90  | Rupees Five Hundred FourtyEight Paise Ninety Only                 | Rmt | 10978.00 |      |  | As per |
| <b>Item No.</b> 73 | 0.00  | Testing Material  |       |     |   | 0   | 0        | 0.00 |  | As per |
|                    | 0.00  | a) CEMENT   |       |     |   | 0   | 0        | 0.00 |  | As per |

|  |       |  |        |   |   |          |          |  |  |        |
|--|-------|--|--------|---|---|----------|----------|--|--|--------|
|  | 4.00  | Standard Consistency Fineness, Specific Gravity, Setting Time ( Initial & Final ), Compressive Strength, Soundness | 3,770  | 0 | Rupees Three Thousand Seven Hundred Seventy Only      | Per Test | 15080.00 |  |  | As per |
|  | 0.00  | b) AGRREGATE/CRASHED SAND  |        |   | 0   | 0        | 0.00     |  |  | As per |
|  | 4.00  | Water Absorption, Specific Gravity, Impact Value /Crushing Value   | 2,600  | 0 | Rupees Two Thousand Six Hundred Only                  | Per Test | 10400.00 |  |  | As per |
|  | 1.00  | c) GSB Mix Design.   | 16,250 | 0 | Rupees Sixteen Thousand Two Hundred Fifty Only        | Per Test | 16250.00 |  |  | As per |
|  | 0.00  | d) CONCRETE  |        |   | 0   | 0        | 0.00     |  |  | As per |
|  | 29.30 | Compressive Strength OF C.C. Cube(Set of 3 cubes).   | 690    | 0 | Rupees Six Hundred Ninety Only                        | Per Test | 20217.00 |  |  | As per |
|  | 0.00  | e) CONCRETE  |        |   | 0   | 0        | 0.00     |  |  | As per |
|  | 2.00  | Concrete Mix Design (With all Tests on basic materials   | 13,755 | 0 | Rupees Thirteen Thousand Seven Hundred FiftyFive Only | Per Test | 27510.00 |  |  | As per |
|  | 0.00  | f) RUBBLE  |        |   | 0   | 0        | 0.00     |  |  | As per |
|  | 4.00  | Crushing Value/Compressive Strength Water Absorption & Specific Gravity,   | 2,020  | 0 | Rupees Two Thousand Twenty Only                       | Per Test | 8080.00  |  |  | As per |
|  | 0.00  | g) EARTHWORK   |        |   | 0   | 0        | 0.00     |  |  | As per |
|  | 3.00  | Liquid limit & plastic Limit.  | 1,170  | 0 | Rupees One Thousand One Hundred Seventy Only          | Per Test | 3510.00  |  |  | As per |
|  | 0.00  | h) SOIL  |        |   | 0   | 0        | 0.00     |  |  | As per |
|  | 3.00  | C.B.R. Test ( Field Determination Test) Excluding Transportation.As per IS 2720 Part XXXI                          | 2,600  | 0 | Rupees Two Thousand Six Hundred Only                  | Per Test | 7800.00  |  |  | As per |
|  | 0.00  | i) STEEL   |        |   | 0   | 0        | 0.00     |  |  | As per |
|  | 4.00  | Upto 16 mm (Set of 3 Bars)   | 1,275  | 0 | Rupees One Thousand Two Hundred SeventyFive Only      | Per Test | 5100.00  |  |  | As per |
|  | 5.00  | BITUMEN :- ( Penetration, Softening Point, Flash & Fire Point, Specific Gravity                                    | 3,135  | 0 | Rupees Three Thousand One Hundred ThirtyFive Only     | Per Test | 15675.00 |  |  | As per |

|                    |        |  |        |    |   |          |          |  |  |        |
|--------------------|--------|--|--------|----|---|----------|----------|--|--|--------|
|                    | 3.00   | Job Mix Design with all Test on Aggregate ( Excluding Bitumen) for DBM/ BM/AC/BC   | 16,250 | 0  | Rupees Sixteen Thousand Two Hundred Fifty Only                  | Per Test | 48750.00 |  |  | As per |
|                    | 0.00   | I)DIVIDER  | 1,685  | 0  | Rupees One Thousand Six Hundred EightyFive Only                 | rmt      | 0.00     |  |  | As per |
| <b>Item No. 74</b> | 17.50  | Providing and Laying of Rumble strips with Plastirib 2K, or equivalent 2 component cold plastic profiled material to give total width of 500 mm and height of 10 mm. Ramp provided to give width of 145 mm, width of ribs to be 55mm laid at centre to centre distance of 35 mm, with reflective glass beads @ 350 gm / One Square Metre. The finished surface to be levelled, uniform and free from streaks and holes, to be applied on the edge lines, including surface cleaning and cost of all materials etc. complete. | 3,891  | 30 | Rupees Three Thousand Eight Hundred NinetyOne Paise Thirty Only | sqm      | 68097.75 |  |  | As per |
|                    |        | <b>Sewerage</b>  |        |    |   |          |          |  |  |        |
| <b>Item No. 75</b> |        | Excavation for foundation/ pipes trenches in earth, soil of all types, sand, gravel and soft murum including removing the excavated material upto a distance of 50M beyond area & lift as below, stacking and spreading as directed, normal dewatering, preparing of bed for foundation & excluding backfilling, etc. complete as directed by the Engineer in charge.  |        |    |   |          |          |  |  |        |
|                    | 326.06 | 0 to 1.5 m   | 173    | 25 | Rupees One Hundred SeventyThree Paise TwentyFive Only           | CMT      | 56490.33 |  |  | As per |
|                    | 208.13 | 1.5 to 3 m   | 189    | 0  | Rupees One Hundred EightyNine Only                              | CMT      | 39335.63 |  |  | As per |
| <b>Item No. 76</b> |        | Excavation for foundation/ pipe trenches in hard murum and boulders, W.B.M.road including removing the excavated material up to a distance of 50 meter and lift as below, stacking and spreading as directed, normal dewatering,preparing the bed for foundation and excluding backfilling, etc complete. as directed by the Engineer in charge.   |        |    |   |          |          |  |  |        |



|             |         |  |       |    |   |       |            |  |  |        |
|-------------|---------|--|-------|----|---|-------|------------|--|--|--------|
|             | 83.25   | 1.5 to 3 m   | 1,174 | 95 | Rupees One Thousand One Hundred SeventyFour Paise NinetyFive Only | CMT   | 97814.59   |  |  | As per |
|             | 74.93   | 3 to 4.5 m   | 1,204 | 35 | Rupees One Thousand Two Hundred Four Paise ThirtyFive Only        | CMT   | 90235.92   |  |  | As per |
| Item No. 79 |         | Open timbering in trenches of depth more than 1.5 m for shoring and strutting including use of and waste of all necessary timber works including walling ,strutts,open polling boards/horizontal sheeting,runners,etc.as may be neccesary and fixing and removal complete (measurement to be taken of the face/area timbered)(N.B.O.Item no 4.15,P-59) as directed by the Engineer in charge.Additional per sq.m. for further lifts of 1.5m each |       |    |   |       |            |  |  |        |
|             | 705.00  | Lift 0 to 1.5 M for non water logged area  | 236   | 25 | Rupees Two Hundred ThirtySix Paise TwentyFive Only                | SMT   | 166556.25  |  |  | As per |
|             | 450.00  | Lift 1.5 to 3 M for non water logged area  | 269   | 85 | Rupees Two Hundred SixtyNine Paise EightyFive Only                | SMT   | 121432.50  |  |  | As per |
| Item No. 80 |         | Providing and fixing M.S plate shoring in trench consisting of 12mm thick M.S sheet, 1.5m wide MS channel 150x75mm, at 1.5m center to centre including removal after laying sewer  |       |    |   |       |            |  |  |        |
|             | 450.00  | Lift 3 to 4.5 M for non water logged area  | 3,025 | 0  | Rupees Three Thousand TwentyFive Only                             | SMT   | 1361250.00 |  |  | As per |
| Item No. 81 | 1880.00 | Dewatering the excavated trenches and pools of water in the building trenches /pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel), etc.□complete.□(Bd-A-9/261)  | 96    | 60 | Rupees NinetySix Paise Sixty Only                                 | HP/HR | 181608.00  |  |  | As per |

|             |        |  |        |    |  |     |           |  |  |        |
|-------------|--------|--|--------|----|--|-----|-----------|--|--|--------|
| Item No. 82 | 56.40  | Providing dry trap/granite/quartzite/gneiss, rubble stone soling in 15 cm to 20 cm thick layers including hand packing and compacting etc. comple. as directed by the Engineer in charge.  | 2,144  | 7  | Rupees Two Thousand One Hundred FortyFour Paise Seven Only           | CMT | 120925.46 |  |  | As per |
| Item No. 83 | 52.88  | Providing and laying in situ, following grade of C.C. of trap/granite/gneiss metal for foundation and bedding including dewatering, formwork, compacting and curing, finishing, etc.complete. as directed by the Engineer in charge. M-15  | 6,175  | 5  | Rupees Six Thousand One Hundred SeventyFive Paise Five Only          | CMT | 326505.77 |  |  | As per |
| Item No. 84 | 1.00   | Providing and fixing in position TMT FE 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack n welding and supporting as required complete. a) For TMT Fe 415 steel bars ( If Mild Steel/HYSD steel is to be used prior permission from S.E. should be taken ) | 90,395 | 55 | Rupees Ninety Thousand Three Hundred NinetyFive Paise FiftyFive Only | MT  | 90395.55  |  |  | As per |
| Item No. 85 | 940.00 | TRANSPORTING OF EXCAVATED MATERIALS lead 3.00 k.m. SSR Statement C-1   | 468    | 37 | Rupees Four Hundred SixtyEight Paise ThirtySeven Only                | CMT | 440267.80 |  |  | As per |
| Item No. 86 |        | Providing ISI standard RCC pipes in standard lengths of following class and diameter suitable for rubber ring joints, including all taxes (central and local), inspection charges,transport to stores- sites,unloading and stacking etc complete as directed by the Engineer in charge. One rubber ring should be supplied with each full length socketed pipe, cost including in rates below Class NP IV  |        |    |  |     |           |  |  |        |
|             | 300.00 | 250 mm   | 855    | 75 | Rupees Eight Hundred FiftyFive Paise SeventyFive Only                | RMT | 256725.00 |  |  | As per |
|             | 150.00 | 300 mm   | 1,199  | 10 | Rupees One Thousand One Hundred NinetyNine Paise Ten Only            | RMT | 179865.00 |  |  | As per |

|             |        |  |       |    |   |     |          |  |  |        |
|-------------|--------|--|-------|----|---|-----|----------|--|--|--------|
|             | 50.00  | 400 mm   | 1,950 | 90 | Rupees One Thousand Nine Hundred Fifty Paise Ninety Only            | RMT | 97545.00 |  |  | As per |
|             | 0.00   | 500 mm   | 2,811 | 90 | Rupees Two Thousand Eight Hundred Eleven Paise Ninety Only          | RMT | 0.00     |  |  | As per |
|             | 0.00   | 600 mm   | 3,437 | 70 | Rupees Three Thousand Four Hundred ThirtySeven Paise Seventy Only   | RMT | 0.00     |  |  | As per |
|             | 0.00   | 700 mm   | 5,146 | 5  | Rupees Five Thousand One Hundred FourtySix Paise Five Only          | RMT | 0.00     |  |  | As per |
|             | 0.00   | 800 mm   | 5,876 | 85 | Rupees Five Thousand Eight Hundred SeventySix Paise EightyFive Only | RMT | 0.00     |  |  | As per |
|             | 0.00   | 900 mm   | 6,554 | 0  | Rupees Six Thousand Five Hundred FiftyFour Only                     | RMT | 0.00     |  |  | As per |
| Item No. 87 |        | Lowering laying and jointing in proper grade and alignment R.C.C. pipes with spigot socketed RCC pipes in C.M.1:1 proportion or socketed RCC pipes with rubber joints (excluding cost of rubber ring ) including cost of conveyance from stores to site of work, cost of jointing material, labour, etc. complete as directed by engineer-in charge (For all class of pipes.) as per IS-783-1985 |       |    |   |     |          |  |  |        |
|             | 300.00 | 250 mm   | 197   | 40 | Rupees One Hundred NinetySeven Paise Fourty Only                    | RMT | 59220.00 |  |  | As per |

|             |        |   |     |    |   |     |          |  |  |        |
|-------------|--------|---|-----|----|---|-----|----------|--|--|--------|
|             | 150.00 | 300 mm  | 239 | 40 | Rupees Two Hundred ThirtyNine Paise Fourty Only     | RMT | 35910.00 |  |  | As per |
|             | 50.00  | 400 mm  | 311 | 85 | Rupees Three Hundred Eleven Paise EightyFive Only   | RMT | 15592.50 |  |  | As per |
|             | 50.00  | 500 mm  | 412 | 65 | Rupees Four Hundred Twelve Paise SixtyFive Only     | RMT | 20632.50 |  |  | As per |
|             | 0.00   | 600 mm  | 521 | 85 | Rupees Five Hundred TwentyOne Paise EightyFive Only | RMT | 0.00     |  |  | As per |
|             | 0.00   | 700 mm  | 591 | 15 | Rupees Five Hundred NinetyOne Paise Fifteen Only    | RMT | 0.00     |  |  | As per |
|             | 0.00   | 800 mm  | 684 | 60 | Rupees Six Hundred EightyFour Paise Sixty Only      | RMT | 0.00     |  |  | As per |
|             | 0.00   | 900 mm  | 752 | 85 | Rupees Seven Hundred FiftyTwo Paise EightyFive Only | RMT | 0.00     |  |  | As per |
| Item No. 88 |        | Hydraulic testing of RCC pipe line to specified pressure including cost of all materials and labour and water for testing for specified length including cutting, placing end cap making arrangement for filling safe water using reciprocating type pumps which should be able to provide specified test pressure gauges and other necessary equipments, labour, operation charges, etc. required for testing. The rate under this item shall also include cost of retesting, if necessary and reinstating to original position. |     |    |   |     |          |  |  |        |

|  |      |        |        |    |  |    |          |  |  |        |
|--|------|--------|--------|----|--|----|----------|--|--|--------|
|  | 0.20 | 250 mm | 21,877 | 80 | Rupees TwentyOne Thousand Eight Hundred SeventySeven Paise Eighty Only | KM | 4375.56  |  |  | As per |
|  | 0.10 | 300 mm | 26,254 | 20 | Rupees TwentySix Thousand Two Hundred FiftyFour Paise Twenty Only      | KM | 2625.42  |  |  | As per |
|  | 0.50 | 400 mm | 35,004 | 90 | Rupees ThirtyFive Thousand Four Paise Ninety Only                      | KM | 17502.45 |  |  | As per |
|  | 0.00 | 500 mm | 45,215 | 10 | Rupees FortyFive Thousand Two Hundred Fifteen Paise Ten Only           | KM | 0.00     |  |  | As per |
|  | 0.00 | 600 mm | 58,341 | 15 | Rupees FiftyEight Thousand Three Hundred FortyOne Paise Fifteen Only   | KM | 0.00     |  |  | As per |
|  | 0.00 | 700 mm | 65,634 | 45 | Rupees SixtyFive Thousand Six Hundred ThirtyFour Paise FortyFive Only  | KM | 0.00     |  |  | As per |
|  | 0.00 | 800 mm | 75,843 | 60 | Rupees SeventyFive Thousand Eight Hundred FortyThree Paise Sixty Only  | KM | 0.00     |  |  | As per |
|  | 0.00 | 900 mm | 83,136 | 90 | Rupees EightyThree Thousand One Hundred ThirtySix Paise Ninety Only    | KM | 0.00     |  |  | As per |

|             |       |  |        |    |   |     |           |  |        |
|-------------|-------|--|--------|----|---|-----|-----------|--|--------|
| Item No. 89 |       | Providing D I K-9 grade Pipe, with internal cement mortar lining including all taxes. insurance. railway freight, unloading from railway wagon. loading into truck, transport to departmental stores site, unloading- stacking etc complete. (IS 8329-2000 latest Version. as directed by the Engineer in charge.  |        |    |   |     |           |  |        |
|             | 0.00  | For Crossing Nalla   |        |    | 0   |     | 0.00      |  | As per |
|             | 60.00 | 450  | 8,207  | 85 | Rupees Eight Thousand Two Hundred Seven Paise EightyFive Only       | RMT | 492471.00 |  | As per |
|             | 60.00 | 500  | 9,549  | 75 | Rupees Nine Thousand Five Hundred FourtyNine Paise SeventyFive Only | RMT | 572985.00 |  | As per |
|             | 60.00 | 600  | 12,490 | 80 | Rupees Twelve Thousand Four Hundred Ninety Paise Eighty Only        | RMT | 749448.00 |  | As per |
| Item No. 90 |       | Lowering laying and jointing with SBR rubber gaskets D I s/s pipes of various classes with CI/MS speacial of following diameter in proper position.grade and alignment as directed by engineer -in-charge including conveyance of material from stores to sites of work including cost of jointing materials and rubber ring labour,giving hydraulic testing etc complete as directed by the Engineer in charge. |        |    |   |     |           |  |        |
|             | 60.00 | 450  | 344    | 40 | Rupees Three Hundred FourtyFour Paise Fourty Only                   | RMT | 20664.00  |  | As per |
|             | 60.00 | 500  | 399    | 0  | Rupees Three Hundred NinetyNine Only                                | RMT | 23940.00  |  | As per |
|             | 60.00 | 600  | 529    | 20 | Rupees Five Hundred TwentyNine Paise Twenty Only                    | RMT | 31752.00  |  | As per |

|             |       |   |        |    |   |     |           |  |        |
|-------------|-------|---|--------|----|---|-----|-----------|--|--------|
| Item No. 91 |       | Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in CM 1:5 proportion precast S.F.R.C. frame and cover, etc. complete as directed by Engineer-in-charge. (   |        |    |   |     |           |  |        |
|             | 0.00  | chamber Size 90 x 60 cm internal size and depth upto 1.2 M with S.F.R.C. frame and cover)   | 16,139 | 55 | Rupees Sixteen Thousand One Hundred ThirtyNine Paise FiftyFive Only | RMT | 0.00      |  | As per |
|             | 0.00  | Add for every increase in depth of 3 cm or part there of  | 2,048  | 55 | Rupees Two Thousand FourtyEight Paise FiftyFive Only                | RMT | 0.00      |  | As per |
| Item No. 92 | 10.00 | Providing and constructing on sewer.BB masonry circular manhole with concentric cone 1.2 m dia at bottom and 0.5 m dia at top and upto a depth of 2.0 M with 23 cm brickwork, in CM 1:4 proportion with 20 mm thick smooth plaster on both side in CM 1:2 proportion excluding excavation including foundation concrete 250 mm thick and haunches and channels in C.C.1:2:4 proportion, finishing channel, in smooth rendering, providing C.I dapuri type steps each weighing 5.5 kg., 1:2:4 coping and providing and fixing approved make and quality SFRC frame and cover of 56 cm dia etc., complete as directed by engineer- in-charge.   | 30,605 | 40 | Rupees Thirty Thousand Six Hundred Five Paise Fourty Only           | RMT | 306054.00 |  | As per |
| Item No. 93 | 10.00 | Item no 54<br>Providing and constructing on sewer.BB masonry circular manhole with concentric cone 1.5 m dia at bottom and 0.5 m dia at top and upto a depth of 5.0 M with 23 cm brickwork, upto depth of 2 m from top & 35 cm thick brickwork for balance depth in CM 1:4 proportion with 20 mm thick smooth plaster on both side in CM 1:2 proportion excluding excavation including foundation concrete 250 mm thick and haunches and channels in C.C.1:2:4 proportion, finishing channel, in smooth rendering, providing .I dapuri type steps each weighing 5.5 kg., 1:2:4 coping and providing and fixing approved make and quality SFRC frame and cover of 56 cm dia etc., complete as directed by engineer- in-charge. | 87,255 | 0  | Rupees EightySeven Thousand Two Hundred FiftyFive Only              | NOS | 872550.00 |  | As per |

|             |         |  |        |    |  |     |            |  |  |        |
|-------------|---------|--|--------|----|--|-----|------------|--|--|--------|
| Item No. 94 | 30.00   | Item no 55<br>Providing and constructing on sewer.R.C.C circular manhole concentric cone 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M of Reinforced Cement Concrete (M-250) in CM 1:4 proportion excluding excavation including foundation concrete 250 mm thick and haunches and channels in C.C.1:2:4 proportion, finishing channel, in smooth rendering, providing C.I dapuri type steps each weighing 5.5 kg., 1:2:4 coping and providing and fixing approved make and quality SFRC frame and cover of 56 cm dia etc., complete as directed by engineer-In-charge | 34,765 | 72 | Rupees ThirtyFour Thousand Seven Hundred SixtyFive Paise SeventyTwo Only | NOS | 1042971.60 |  |  | As per |
| Item No. 95 | 1000.00 | Item no 56<br>Refilling the trenches with approved excavated stuff with soft materials first over pipeline & then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging etc.complete. as directed by the Engineer in charge.   | 96     | 60 | Rupees NinetySix Paise Sixty Only  | CMT | 96600.00   |  |  | As per |
| Item No. 96 | 70.50   | Item no 57<br>Murrum Bedding Filling in plinth and floors / trenches with contractor's murrum for bedding in 15 cm to 20 cm layers including watering and compaction etc. complete.  | 957    | 60 | Rupees Nine Hundred FiftySeven Paise Sixty Only                          | CMT | 67510.80   |  |  | As per |
|             |         |  |        |    | 0  |     |            |  |  |        |
|             |         | UTILITY  |        |    | 0  |     |            |  |  |        |
| Item No. 97 |         | Item no 58<br>G.I. Pipe : Providing ISI mark G.I. pipe of following class and dia. excluding GST levied by GOI & GOM in all respect, inspection charges, transportation to stores, etc. complete as per IS-1239/2004. Note : One coupler shall be provided with each full length of pipe cost of which is included in rates below.<br>MEDIUM   |        |    |  |     |            |  |  |        |
|             | 50.00   | 15 MM  | 110    | 25 | Rupees One Hundred Ten Paise TwentyFive Only                             | RMT | 5512.50    |  |  | As per |
|             | 50.00   | 25 mm  | 216    | 30 | Rupees Two Hundred Sixteen Paise Thirty Only                             | RMT | 10815.00   |  |  | As per |
|             | 0.00    | 50 mm  | 433    | 65 | Rupees Four Hundred ThirtyThree Paise SixtyFive Only                     | RMT | 0.00       |  |  | As per |

|             |        |  |       |    |   |     |         |  |  |        |
|-------------|--------|--|-------|----|---|-----|---------|--|--|--------|
| Item No. 98 | 0.00   | Item no 59<br>G.I. Pipe : Lowering, laying and jointing G. I. pipes and specials of following class and diameter including conveyance from stores to site of works, all labour, etc. complete either underground or in vertical position, as directed by Engineer-in-charge.<br>MEDIUM   |       |    |   |     | 0.00    |  |  | As per |
|             | 50.00  | 15 MM  | 36    | 75 | Rupees ThirtySix Paise SeventyFive Only                           | RMT | 1837.50 |  |  | As per |
|             | 50.00  | 25 mm  | 48    | 30 | Rupees FourtyEight Paise Thirty Only                              | RMT | 2415.00 |  |  | As per |
|             | 0.00   | 50 mm  | 85    | 5  | Rupees EightyFive Paise Five Only                                 | RMT | 0.00    |  |  | As per |
| Item No. 99 |        | Item no 60<br>C.I. Pipe: Providing and supplying ISI mark C.I. S&S pipes (push on joints pressure pipes of C.I of following class and diameters confirming to the I.S.specification inclusive cost of jointing materials(Rubber gasket of EPDM Quality) excluding GST levied by Gol and GoM in all respect, Third party inspection charges of TPI Agency approved by MJP including Transit insurance, Railway Freight, Unloading from railway wagon, Loading into Truck, Transportation to departmental store/site of work,unloading, stacking etc. completed as directed by Engineer –in-charge (IS 1536/2001 for pipes and IS 158/1969 and IS 12820/1989 or latest edition / revision with amendments for Rubber Gaskets.<br>Class A |       |    |   |     |         |  |  |        |
|             | 0.00   | 80 mm  | 1,140 | 30 | Rupees One Thousand One Hundred Fourty Paise Thirty Only          | RMT |         |  |  | As per |
|             | 100.00 | 100 mm   | 1,424 | 85 | Rupees One Thousand Four Hundred TwentyFour Paise EightyFive Only | RMT |         |  |  | As per |

|              |        |   |       |    |  |     |          |  |  |        |
|--------------|--------|---|-------|----|--|-----|----------|--|--|--------|
|              | 100.00 | 150 mm  | 2,282 | 70 | Rupees Two Thousand Two Hundred EightyTwo Paise Seventy Only | RMT |          |  |  | As per |
|              | 100.00 | 200 mm  | 3,299 | 10 | Rupees Three Thousand Two Hundred NinetyNine Paise Ten Only  | RMT |          |  |  | As per |
| Item No. 100 |        | Item no 61<br>C.I. Pipe : Lowering laying and jointing with SBR ruber gaskets C.I. S/S pipes of various classes with CI / MS specials of following diameter in proper position, grade and alignment as directed by Engineer-in-charge including conveyance of material from stores to site of work, including cost of jointing materials and rubber rings labour etc. complete. |       |    |  |     |          |  |  |        |
|              | 0.00   | 80 mm   | 68    | 36 | Rupees SixtyEight Paise ThirtySix Only                       | RMT | 8379.00  |  |  | As per |
|              | 100.00 | 100 mm  | 83    | 79 | Rupees EightyThree Paise SeventyNine Only                    | RMT | 10694.25 |  |  | As per |
|              | 100.00 | 150 mm  | 106   | 94 | Rupees One Hundred Six Paise NinetyFour Only                 | RMT | 11655.00 |  |  | As per |
|              | 100.00 | 200 mm  | 116   | 55 | Rupees One Hundred Sixteen Paise FiftyFive Only              | RMT | 0.00     |  |  | As per |
|              |        | <b>Micro Tunneling</b>  |       |    |  |     |          |  |  |        |



|              |        |   |        |    |  |     |            |  |  |        |
|--------------|--------|---|--------|----|--|-----|------------|--|--|--------|
|              | 10.00  | 400 mm dia  | 47,700 | 0  | Rupees FourtySeven Thousand Seven Hundred Only     | Rmt | 477000.00  |  |  | As per |
|              | 58.00  | 500 mm dia  | 52,470 | 0  | Rupees FiftyTwo Thousand Four Hundred Seventy Only | Rmt | 3043260.00 |  |  | As per |
|              | 10.00  | 600 mm dia  | 52,470 | 0  | Rupees FiftyTwo Thousand Four Hundred Seventy Only | Rmt | 524700.00  |  |  | As per |
|              | 10.00  | 700 mm dia  | 85,000 |    | Rupees EightyFive Thousand Only                    | Rmt | 850000.00  |  |  | As per |
|              | 50.00  | 800 mm dia  | 85,000 | 0  | Rupees EightyFive Thousand Only                    | Rmt | 4250000.00 |  |  | As per |
|              | 50.00  | 900 mm dia  | 85,000 | 0  | Rupees EightyFive Thousand Only                    | Rmt | 4250000.00 |  |  | As per |
| Item No. 103 | 200.00 | Item no 64<br>Providing and applying one coat of Gamma coating or equivalent such as Dr.Bake, Krishna conchem, Asian Paints, atul Limited Burger paints epoxy primer 50 to 60 microns thick and covering twocoats of Gamma coatings or equivalent such as as Dr.Bake, Krishna conchem, Asian Paints, atul Limited Burger paints 30 microns thick each to new M.S.Pipes and structural Steel or concrete surface including preparing the surface by finishing by solvent degreasing and de-rusting by applying chemical method and scaffolding is necessary etc. complete as per manufacturers specifications. | 456    | 50 | Rupees Four Hundred FiftySix Paise Fifty Only      | Smt | 91300.00   |  |  | As per |

|              |        |   |        |    |  |     |           |  |  |        |
|--------------|--------|---|--------|----|--|-----|-----------|--|--|--------|
| Item No. 104 | 200.00 | Item no 65<br>Providing and making inner cement mortar lining to M.S.pipes with mechanical devices in cement mortar 1:1 proportion including cost of all materials labour, special sand required machinery, power generation, all equipments and taking necessary access openings and manhol, cuts at suitable intervals as sary access opening and manholes cuts at suitable intervals as directed by Engineer-in-charge and rewelding the same after done with doubleor plates pipes inelduing necessary excavation, refilling concerte breaking and remaking if any breakion guniting and remaking the same, repainting whereven, required with epoxy paint in 3 coats., all dewatering including emptying the pipeline and refilling the same after done with (water to be supplied by department free of cost within 5km. lead at fixed point and all other arrangements to be done by agency) including carrying out"C" value performance-test of pipeline, complete job as per the directions of the Engineer-in-charge. | 607    | 20 | Rupees Six Hundred Seven Paise Twenty Only                               | Rmt | 121440.00 |  |  | As per |
| Item No. 105 | 0.00   | Item no 66<br>Field weilding in all positions with required number of runs, for M.S. pipes internally and or externally including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as mper specification.   |        |    | 0  |     |           |  |  | As per |
|              | 100.00 | 10 mm thick   | 1,284  | 80 | Rupees One Thousand Two Hundred EightyFour Paise Eighty Only             | Rmt | 128480.00 |  |  | As per |
| Item No. 106 | 10.00  | Item no 67<br>Providing and constructing on sewer.R.C.C circular manhole concentriccone 1.2 m dla at bottom and 0.5 m dia at top and up to a depth of 2.0 M of Reinforced Cement Concrete (M-250) in CM 1:4 proportion excluding excavation including foundation concrete 250 mm thick and haunches and channels in C.C. 1:2:4 proportion, finishing channel, in smooth rendering, providing C.I dapuri type steps each vweighing 5.5 kg., 1:2:4 coping and providing and fixing approved make and quality SFRC frame and cover of 56 cm dia etc., complete as directed by engineer-In-charge   | 34,765 | 72 | Rupees ThirtyFour Thousand Seven Hundred SixtyFive Paise SeventyTwo Only | NOS | 347657.20 |  |  | As per |

|              |        |   |        |    |  |      |           |  |  |        |
|--------------|--------|---|--------|----|--|------|-----------|--|--|--------|
| Item No. 107 | 10.00  | Item no 68<br>Providing and constructing on sewer, R.C.C M200 circular manhole concentric cone 2.1m in dia at bottom and 0.5 m dia at top and up to a depth of 5.0 m with of Reinforced Cernent Concrete (M-250) in CM 1:4 proportion excluding excavation including foundation concrete 250 mm thick and haunches and channels in C.C.1:2:4 proportion, finishing channels in smooth rendering, providing C.I. dapurl type steps each weighing 5.5 kg..1:2:4 coping and providing and fixing approved make and quality-, SFRC frame and cover of 56 cm dia etc., complete as directed by engineer-in | 77,763 | 0  | Rupees<br>SeventySeven<br>Thousand Seven<br>Hundred<br>SixtyThree Only | NOS  | 777630.00 |  |  | As per |
| Item No. 108 | 0.00   | ITEM NO. 69<br>Material testing   |        |    |  |      |           |  |  |        |
|              | 2.00   | a) Compressive strength (set of 3 cubes)  | 690    | 0  | Rupees Six<br>Hundred Ninety<br>Only                                   | NOS. | 1380.00   |  |  | As per |
|              | 2.00   | b) steel bar Testing Upto 16 mm (set of 3 bars)   | 1,275  | 0  | Rupees One<br>Thousand Two<br>Hundred<br>SeventyFive Only              | NOS. | 2550.00   |  |  | As per |
| Item No. 109 | 936.73 | ITEM NO.70<br>Royalty charges   | 216    | 18 | Rupees Two<br>Hundred Sixteen<br>Paise Eighteen<br>Only                | CMT  | 202502.72 |  |  | As per |

Contractor /Agency

No.of Correction :

Executive Engineer  
Mira-Bhaindar Municipal Corporation