

SCHEDULE-B

Contractor

No. of correction

Executive Engineer

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT
2.0 Scheme

Recapitulation Sheet of Schedule "B"

| SR. NO. | DESCRIPTION OF SUBWORK | Cost Put to Tender Rs. |
|---------|---|------------------------|
| | CIVIL WORKS | |
| 1 | WORKING SURVEY | 12,49,999 |
| | | |
| 2 | COLLECTION AND CONVEYANCE SYSTEM | |
| a | Collection & Conveyance System for Zone I 200 mm - 1000 mm Dia., Total Length -146.11 Km | 82,25,29,160 |
| b | Collection & Conveyance System for Zone II 200 mm - 1000 mm Dia., Total Length - 185.65 Km | 1,00,08,98,330 |
| | | |
| 3 | SEWAGE COLLECTION SUMP/WET WELL- ZONE I | 1,02,07,472 |
| 4 | SEWAGE PUMP HOUSE ZONE I | 28,49,898 |
| 5 | SEWAGE COLLECTION SUMP/WET WELL- ZONE II | 70,13,144 |
| 6 | SEWAGE PUMP HOUSE ZONE II | 35,24,821 |
| | | |
| 7 | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | 5,95,76,444 |
| 8 | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | 4,95,18,562 |
| | | |
| 9 | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | 52,16,70,593 |
| | | |
| 10 | APPROACH ROAD | 8,91,608 |
| 11 | STAFF QUARTER | 42,41,511 |
| 12 | COMPOUND WALL | 52,41,587 |
| 13 | FENCING WORK | 6,46,313 |
| 14 | FLOOD PROTECTION WALL | 1,37,03,082 |
| 15 | TRIAL & RUN FOR 3 MONTHS | 3,55,300 |
| | | |
| | TOTAL COST PUT TO TENDER RS. | 2,50,41,17,824 |

I/We.....%
at% (In Words
.....) below/above the
estimated tendered cost.

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: 1 WORKING SURVEY | | COST Rs. | | |
|---------------------------------------|---|-----------------|--------------------|---|
| Qty. | Description of item | unit | Tender Rate | |
| | | | In figures | In words |
| | Item No.1 | | | Amount (Rs.) |
| | Carrying out topographical survey, contouring of all terrain(all types), road, bridge and building works by using Electronic Total Station surveying instruments (3 second least count) with its all accessories tools, plants including preparing necessary plans such as L-Sections cross sections, contouring, topographical detail survey plans as directed by processing data on computer, preserving processed data on CD's or any other advanced type computer hardware including all manpower i.e. electronic total station operator, computer engineer, trained supervisor, skilled labours, machineries such as electronic total station with its accessories, computer with latest configuration, materials such as stationary required for printing processed data, plotting drawings of required sizes, submission of processed data and plans in properly bound book as directed etc complete As directed by Engineer-in- charge | | | |
| 381.762 | | Km | 2,117.55 | INR Two Thousand One Hundred & Seventeen and Paise Fifty Five Only 8,08,400.12 |
| | Item No.2 | | | |
| | Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia over burden (by diamond drilling machine) such as soil of all sorts, soft murum,hard murum and boulders and in soft rock including all materials such as casing pipes and accessories oil, grease, steel, rods, and such other materials as required (including conveying the material to site of work) . Preserving the loose sample in glass jar and core sample serially on site of work and conveying the same to HQ. of concerning office as directed. | | | |
| 25.00 | a) over burden 0 to 50 meter | Rmt | 2,215.50 | INR Two Thousand Two Hundred & Fifteen and Paise Fifty Only 55,387.50 |

| SUB-WORK NO.: 1 | | WORKING SURVEY | | COST Rs. | | 12,49,999.22 |
|-----------------|--|----------------|-------------|--|--------------|--------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | |
| | | | In figures | In words | | |
| | Item No.3 Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample serially on site of work and conveying the same to HQ of concernring office as directed | | | | | |
| 25.00 | Other Rock with diamond drill. 0 to 50 metre | Rmt | 4,104.45 | INR Four Thousand One Hundred & Four and Paise Forty Five Only | 1,02,611.25 | |
| | Item No.4 Conveying the boring machine and engine and all its accessories etc. to the site of the work and back including loading unloading etc. complete. (Note - Distance to be measured from the station of boring machine engine etc. of district head quarters to site of the work by short route). | | | | | |
| 100.00 | | Km | 71.40 | INR Seventy One and Paise Forty Only | 7,140.00 | |
| | Item No.5 Shifting boring plant with all its components and reinstalling the same at the directed place including all its charges etc. complete. | | | | | |
| 1 | | Shift | 9,520.35 | INR Nine Thousand Five Hundred & Twenty and Paise Thirty Five Only | 9,520.35 | |
| | Item No.6 Providing detailed reports of the inspection logging of drilled hole by observing visual description of data as per depth, thickness of layer, type of sample, wash sample, bore recovery type of drill etc.complete. | | | | | |
| 1 | | No. | 10,164.00 | INR Ten Thousand One Hundred & Sixty Four Only | 10,164.00 | |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: 2 a | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) |
|-------------------|------|---|------|-------------|--|-----------------|
| | | | | In figures | In words | |
| | | Item No.1 | | | | |
| | | Excavation for Foundation/ pipe trenches for works of Sewer Pipeline,gravity mains, and for all types of pipe materials in all types of Soil , earthy or sandy materials,soil of all type of sand,clay mud,Soft Murum ,soft average or hard murum, Boulders,all type of disintegrated rock ,shingles,brick bats ,isolated boulders of any size,all type of rock including soft ,hard and manjara rock by permissible and suitable methods such as Controlled blasting, chiselling, wedging,line drilling and or by use of mechanical means including excavation in all type of road surfaces such as WBM, Asphalt,concrete road,including trimming the surface by chiselling whenever required including removing the roots of trees met with during excavation levelling the bed and keeping it clean and dry by dewatering and making ready for lowering,laying of pipe, manual dewatering,excluding backfilling including removing the excavated stuff upto a distance of 50 m beyond the work site and stacking the same as directed by Engineer in charge etc. complete for lift as mentioned below. Lift 0 -1.50 M | | | | |
| 247114.49 | | Lift 0 -1.50 M | Cum | 521.29 | INR Five Hundred & Twenty One and Paise Twenty Nine Only | 12,88,18,314.28 |
| | | Item No.2 | | | | |
| | | Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling, by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, excluding backfilling, etc. complete by all means. | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|--|----------------------------------|-------------|--|----------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 4348.572 | a) Lift 0 to 1.5m for non-water logged area. | Sqm | 233.20 | INR Two Hundred & Thirty Three and Paise Twenty Only | 10,14,086.99 | | |
| | Item No.5 | | | | | | |
| | Filling in plinth and floors, murum bedding in trenches with approved murum excavated materials from foundation in 15 cm to 20 cm layers including watering and compaction etc. complete | | | | | | |
| 57145.11 | | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | 55,20,217.70 | | |
| | Item No.6 | | | | | | |
| | Filling in plinth and floors / trenches with contractor's murum for bedding in 15 cm to 20 cm layers including watering and compaction, etc. complete. | | | | | | |
| 6349.46 | | Cum | 957.60 | INR Nine Hundred & Fifty Seven and Paise Sixty Only | 60,80,239.78 | | |
| | Item No.7 | | | | | | |
| | Providing and supplying in standard length (PE material) Structured - Wall Plastic piping system for non pressure underground drainage and sewerage with smooth internal & corrugated external surface conforming to IS 16098:Part-2 2013 with spigot or plain end with necessary jointing material coupler including transportation and freight charges, inspection charges, loading and unloading charges conveyance to departmental store/site and stacking the same in closed shade duly protecting from direct sun ray and rains excluding GST levied by Gol and GoM in all respect, etc. complete. (Class - SN 8). | | | | | | |
| 124549.80 | 200 ID | Rmt | 730.00 | INR Seven Hundred & Thirty Only | 9,09,21,354.00 | | |
| 4030.20 | 250 ID | Rmt | 1,203.00 | INR One Thousand Two Hundred & Three Only | 48,48,330.60 | | |
| | Item No.8 | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Lowering, Laying and Jointing (PE material) Structured-Wall plastic piping system for non-pressure underground by heating to the ends of pipes with the help of teflon coated electric heater to the required temperature and then pressing the ends together against each other, to form a monolithic & leak proof joint by thermosetting process. The pressing may be required to be done with Jacks/Hydraulic Jacks/Butt fusion machine etc. complete with all materials labours as directed by Engineer - in - charge. | | | | | | |
| 124549.80 | 200 ID | Rmt | 55.65 | INR Fifty Five and Paise Sixty Five Only | 69,31,196.37 | | |
| 4030.20 | 250 ID | Rmt | 68.25 | INR Sixty Eight and Paise Twenty Five Only | 2,75,061.15 | | |
| | Item No.9 | | | | | | |
| | Hydraulic testing of HDPE (PE material) Structured- wall Plastic piping for non pressure underground 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 | | | | | | |
| 124.5498 | 200 ID | Km | 5,833.80 | INR Five Thousand Eight Hundred & Thirty Three and Paise Eighty Only | 7,26,598.62 | | |
| 4.0302 | 250 ID | Km | 7,293.30 | INR Seven Thousand Two Hundred & Ninety Three and Paise Thirty Only | 29,393.46 | | |
| | Item No.10 | | | | | | |
| | Providing ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints, excluding all statutory duties and taxes such as GST levied by Gol and GoM in all respect, inspection charges, transport to departmental stores/site, unloading and stacking etc. complete as per IS-458/1988 | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|--|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Note : One collar should be supplied with each full length plain ended RCC pipe, cost including in rates below. One rubber ring should be supplied with each full length of socketed pipe, cost included in rates below. | | | | | | |
| | Dia in mm Class NP - III | | | | | | |
| 3741.40 | 200 | Rmt | 474.00 | INR Four Hundred & Seventy Four Only | 17,73,423.60 | | |
| 0.00 | 250 | Rmt | 650.00 | INR Six Hundred & Fifty Only | 0.00 | | |
| 1661.50 | 300 | Rmt | 910.00 | INR Nine Hundred & Ten Only | 15,11,965.00 | | |
| 3005.40 | 350 | Rmt | 1,515.00 | INR One Thousand Five Hundred & Fifteen Only | 45,53,181.00 | | |
| 386.90 | 400 | Rmt | 1,615.00 | INR One Thousand Six Hundred & Fifteen Only | 6,24,843.50 | | |
| 1199.60 | 450 | Rmt | 1,742.00 | INR One Thousand Seven Hundred & Forty Two Only | 20,89,703.20 | | |
| 0.00 | 500 | Rmt | 2,146.00 | INR Two Thousand One Hundred & Forty Six Only | 0.00 | | |
| 0.00 | 600 | Rmt | 2,525.00 | INR Two Thousand Five Hundred & Twenty Five Only | 0.00 | | |
| 249.10 | 700 | Rmt | 3,534.00 | INR Three Thousand Five Hundred & Thirty Four Only | 8,80,319.40 | | |
| 1264.30 | 800 | Rmt | 3,787.00 | INR Three Thousand Seven Hundred & Eighty Seven Only | 47,87,904.10 | | |
| 209.50 | 900 | Rmt | 4,419.00 | INR Four Thousand Four Hundred & Nineteen Only | 9,25,780.50 | | |
| 0.00 | 1000 | Rmt | 4,924.00 | INR Four Thousand Nine Hundred & Twenty Four Only | 0.00 | | |
| | Item No.11 | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Lowering, laying and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) 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. | | | | | | |
| | Dia in mm Class NP - III | | | | | | |
| 3741.40 | 200 | Rmt | 107.10 | INR One Hundred & Seven and Paise Ten Only | 4,00,703.94 | | |
| 0.00 | 250 | Rmt | 138.60 | INR One Hundred & Thirty Eight and Paise Sixty Only | 0.00 | | |
| 1661.50 | 300 | Rmt | 168.00 | INR One Hundred & Sixty Eight Only | 2,79,132.00 | | |
| 3005.40 | 350 | Rmt | 172.20 | INR One Hundred & Seventy Two and Paise Twenty Only | 5,17,529.88 | | |
| 386.90 | 400 | Rmt | 221.55 | INR Two Hundred & Twenty One and Paise Fifty Five Only | 85,717.70 | | |
| 1199.60 | 450 | Rmt | 263.55 | INR Two Hundred & Sixty Three and Paise Fifty Five Only | 3,16,154.58 | | |
| 0.00 | 500 | Rmt | 286.65 | INR Two Hundred & Eighty Six and Paise Sixty Five Only | 0.00 | | |
| 0.00 | 600 | | 361.20 | INR Three Hundred & Sixty One and Paise Twenty Only | 0.00 | | |
| 249.10 | 700 | Rmt | 398.82 | INR Three Hundred & Ninety Eight and Paise Eighty Two Only | 99,346.06 | | |
| 1264.30 | 800 | | 473.55 | INR Four Hundred & Seventy Three and Paise Fifty Five Only | 5,98,709.27 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 209.50 | 900 | Rmt | 525.00 | INR Five Hundred & Twenty Five Only | 1,09,987.50 | | |
| 0.00 | 1000 | Rmt | 572.25 | INR Five Hundred & Seventy Two and Paise Twenty Five Only | 0.00 | | |
| | Item No.12 | | | | | | |
| | 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. | | | | | | |
| | Dia in mm Class NP - III | | | | | | |
| 3.741 | 200 | Km | 11,668.65 | INR Eleven Thousand Six Hundred & Sixty Eight and Paise Sixty Five Only | 43,657.09 | | |
| 0.000 | 250 | Km | 16,044.00 | INR Sixteen Thousand & Forty Four Only | 0.00 | | |
| 1.662 | 300 | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 31,505.28 | | |
| 3.005 | 350 | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 56,988.24 | | |
| 0.387 | 400 | Km | 24,795.75 | INR Twenty Four Thousand Seven Hundred & Ninety Five and Paise Seventy Five Only | 9,593.48 | | |
| 1.200 | 450 | Km | 29,171.10 | INR Twenty Nine Thousand One Hundred & Seventy One and Paise Ten Only | 34,993.65 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Lowering, laying and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) 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. | | | | | | |
| | Dia in mm Class NP - IV | | | | | | |
| 662.50 | 200 | Rmt | 107.10 | INR One Hundred & Seven and Paise Ten Only | 70,953.75 | | |
| 67.20 | 250 | Rmt | 138.60 | INR One Hundred & Thirty Eight and Paise Sixty Only | 9,313.92 | | |
| 800.10 | 300 | Rmt | 168.00 | INR One Hundred & Sixty Eight Only | 1,34,416.80 | | |
| 401.70 | 350 | Rmt | 172.20 | INR One Hundred & Seventy Two and Paise Twenty Only | 69,172.74 | | |
| 322.10 | 400 | Rmt | 221.55 | INR Two Hundred & Twenty One and Paise Fifty Five Only | 71,361.26 | | |
| 0.00 | 450 | Rmt | 263.55 | INR Two Hundred & Sixty Three and Paise Fifty Five Only | 0.00 | | |
| 0.00 | 500 | Rmt | 286.65 | INR Two Hundred & Eighty Six and Paise Sixty Five Only | 0.00 | | |
| 1062.90 | 600 | Rmt | 361.20 | INR Three Hundred & Sixty One and Paise Twenty Only | 3,83,919.48 | | |
| 21.20 | 700 | Rmt | 410.55 | INR Four Hundred & Ten and Paise Fifty Five Only | 8,703.66 | | |
| 1317.00 | 800 | Rmt | 473.55 | INR Four Hundred & Seventy Three and Paise Fifty Five Only | 6,23,665.35 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 0.00 | 900 | Rmt | 525.00 | INR Five Hundred & Twenty Five Only | 0.00 | | |
| 0.00 | 1000 | Rmt | 572.25 | INR Five Hundred & Seventy Two and Paise Twenty Five Only | 0.00 | | |
| | Item No.15 | | | | | | |
| | 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. | | | | | | |
| | Dia in mm Class NP - IV | | | | | | |
| 0.663 | 200 | Km | 11,668.65 | INR Eleven Thousand Six Hundred & Sixty Eight and Paise Sixty Five Only | 7,730.48 | | |
| 0.067 | 250 | Km | 16,044.00 | INR Sixteen Thousand & Forty Four Only | 1,078.16 | | |
| 0.800 | 300 | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 15,171.46 | | |
| 0.402 | 350 | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 7,617.02 | | |
| 0.322 | 400 | Km | 24,795.75 | INR Twenty Four Thousand Seven Hundred & Ninety Five and Paise Seventy Five Only | 7,986.71 | | |

| SUB-WORK NO.: 2 a | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|--|---------------------|-----------|---|-------------|----------------|-----------------|
| | Qty. | Description of item | unit | In figures | Tender Rate | | |
| | | | | | In words | | |
| | Providing and constructing on sewer B.B. masonry circular manhole chamber with concentric cone 1.2m dia. at bottom and 0.5 dia. at top upto depth of 2m, 1.5m dia at bottom and 0.5m at top upto depth 9.0m, with 20cm thick brick work, upto depth of 2.0m from top of MH and 35cm thick brickwork for next depth upto 5m. Depth of chamber and for depth upto 9m, 23cm thick brick work upto depth 2m from the top of manhole chamber and 35 cm thick brickwork for a depth upto 5 m and 45cm thick brick work for remaining depth upto 9m in C.M. 1:4 proportion with 20mm thick smooth plaster on both sides in C.M. 1:2 proportion including additional excavation, foundation concrete 250mm thick and hounches and channels in C.C. 1:2:4 proportion, finishing channels in smooth rendering, providing and fixing C.I. Dapauri types steps, each weighing 5.5kg, 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56cm dia. (20 tonnes capacity), etc. complete as directed by Engineer-Incharge. | | | | | | |
| 3111 | For depth upto 1.5m | No. | 26,497.80 | INR Twenty Six Thousand Four Hundred & Ninety Seven and Paise Eighty Only | | 8,24,34,655.80 | |
| 642 | For depth upto 2m | No. | 30,605.40 | INR Thirty Thousand Six Hundred & Five and Paise Forty Only | | 1,96,48,666.80 | |
| 281 | For depth upto 2.5m | No. | 42,840.00 | INR Forty Two Thousand Eight Hundred & Forty Only | | 1,20,38,040.00 | |
| 173 | For depth upto 3m | No. | 51,723.00 | INR Fifty One Thousand Seven Hundred & Twenty Three Only | | 89,48,079.00 | |
| 79 | For depth upto 3.5m | No. | 60,606.00 | INR Sixty Thousand Six Hundred & Six Only | | 47,87,874.00 | |

| SUB-WORK NO.: 2 a | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|---------------------|-------------|---|--------------|--------------|-----------------|
| | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | |
| | | | | In figures | In words | | |
| 82 | For depth upto 4.0m | No. | 69,489.00 | INR Sixty Nine Thousand Four Hundred & Eighty Nine Only | 56,98,098.00 | | |
| 67 | For depth upto 4.5m | No. | 78,372.00 | INR Seventy Eight Thousand Three Hundred & Seventy Two Only | 52,50,924.00 | | |
| 55 | For depth upto 5.0m | No. | 87,255.00 | INR Eighty Seven Thousand Two Hundred & Fifty Five Only | 47,99,025.00 | | |
| | Item No.17 | | | | | | |
| | Providing and constructing on sewer RCC. circular manhole chamber with concentric cone 1.2m to 1.5 dia. at bottom and 0.5 dia. at top upto depth of 2m to 7.5 m, with 20cm to 25 Cm thick wall (As per Design) , with 20mm thick smooth plaster on both sides in C.M. 1:2 proportion including additional excavation, foundation concrete 250mm thick and hounches and channels in C.C. 1:2:4 proportion, finishing channels in smooth rendering, providing and fixing C.I. Dapauri types steps, each weighing 5.5kg, 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56cm dia. (20 tonnes capacity), etc. complete as directed by Engineer-Incharge. | | | | | | |
| 11 | For depth upto 1.5m | No. | 48,592.00 | INR Forty Eight Thousand Five Hundred & Ninety Two Only | 5,34,512.00 | | |
| 41 | For depth upto 2.0m | No. | 54,978.00 | INR Fifty Four Thousand Nine Hundred & Seventy Eight Only | 22,54,098.00 | | |
| 24 | For depth upto 2.5m | No. | 1,02,123.00 | INR One Lakh Two Thousand One Hundred & Twenty Three Only | 24,50,952.00 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---------------------|----------------------------------|-------------|---|----------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 3 | For depth upto 3.0m | No. | 1,14,912.00 | INR One Lakh Fourteen Thousand Nine Hundred & Twelve Only | 3,44,736.00 | | |
| 4 | For depth upto 3.5m | No. | 1,27,701.00 | INR One Lakh Twenty Seven Thousand Seven Hundred & One Only | 5,10,804.00 | | |
| 0 | For depth upto 4.0m | No. | 1,40,490.00 | INR One Lakh Forty Thousand Four Hundred & Ninety Only | 0.00 | | |
| 0 | For depth upto 4.5m | No. | 1,53,279.00 | INR One Lakh Fifty Three Thousand Two Hundred & Seventy Nine Only | 0.00 | | |
| 0 | For depth upto 5.0m | No. | 1,66,068.00 | INR One Lakh Sixty Six Thousand & Sixty Eight Only | 0.00 | | |
| 53 | For depth upto 5.5m | No. | 2,93,238.00 | INR Two Lakh Ninety Three Thousand Two Hundred & Thirty Eight Only | 1,55,41,614.00 | | |
| 14 | For depth upto 6.0m | No. | 3,12,833.00 | INR Three Lakh Twelve Thousand Eight Hundred & Thirty Three Only | 43,79,662.00 | | |
| 17 | For depth upto 6.5m | No. | 3,32,428.00 | INR Three Lakh Thirty Two Thousand Four Hundred & Twenty Eight Only | 56,51,276.00 | | |
| 7 | For depth upto 7.0m | No. | 3,52,023.00 | INR Three Lakh Fifty Two Thousand & Twenty Three Only | 24,64,161.00 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---------------------|----------------------------------|-------------|---|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 2 | For depth upto 7.5m | No. | 3,71,618.00 | INR Three Lakh Seventy One Thousand Six Hundred & Eighteen Only | 7,43,236.00 | | |
| 1 | For depth upto8.0m | No. | 3,91,213.00 | INR Three Lakh Ninety One Thousand Two Hundred & Thirteen Only | 3,91,213.00 | | |
| 1 | For depth upto8.5m | No. | 4,10,808.00 | INR Four Lakh Ten Thousand Eight Hundred & Eight Only | 4,10,808.00 | | |
| 0 | For depth upto9.0m | No. | 4,30,403.00 | INR Four Lakh Thirty Thousand Four Hundred & Three Only | 0.00 | | |
| 1 | For depth upto9.5m | No. | 5,70,761.00 | INR Five Lakh Seventy Thousand Seven Hundred & Sixty One Only | 5,70,761.00 | | |
| 1 | For depth upto10.0m | No. | 5,95,106.00 | INR Five Lakh Ninety Five Thousand One Hundred & Six Only | 5,95,106.00 | | |
| 1 | For depth upto10.5m | No. | 6,19,451.00 | INR Six Lakh Nineteen Thousand Four Hundred & Fifty One Only | 6,19,451.00 | | |
| 1 | For depth upto11.0m | No. | 6,43,796.00 | INR Six Lakh Forty Three Thousand Seven Hundred & Ninety Six Only | 6,43,796.00 | | |
| 1 | For depth upto11.5m | No. | 6,68,141.00 | INR Six Lakh Sixty Eight Thousand One Hundred & Forty One Only | 6,68,141.00 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|--|----------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 2 | For depth upto12.0m | No. | 6,92,486.00 | INR Six Lakh Ninety Two Thousand Four Hundred & Eighty Six Only | 13,84,972.00 | | |
| 2 | For depth upto12.5m | No. | 7,16,831.00 | INR Seven Lakh Sixteen Thousand Eight Hundred & Thirty One Only | 14,33,662.00 | | |
| 1 | For depth upto13.0m | No. | 7,41,176.00 | INR Seven Lakh Forty One Thousand One Hundred & Seventy Six Only | 7,41,176.00 | | |
| 2 | For depth upto13.5m | No. | 7,65,521.00 | INR Seven Lakh Sixty Five Thousand Five Hundred & Twenty One Only | 15,31,042.00 | | |
| 3 | For depth upto14.0m | No. | 7,89,866.00 | INR Seven Lakh Eighty Nine Thousand Eight Hundred & Sixty Six Only | 23,69,598.00 | | |
| 2 | For depth upto 14.5m | No. | 8,14,211.00 | INR Eight Lakh Fourteen Thousand Two Hundred & Eleven Only | 16,28,422.00 | | |
| | Item No.18 | | | | | | |
| | 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. | | | | | | |
| 276247.27 | | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | 2,66,85,486.70 | | |
| | Item No.19 | | | | | | |
| | Removing and transporting the excavated surplus material of all categories and disposing of the same as directed, including loading, conveying, spreading or stacking beyond the initial lead of 5 Km as directed etc. complete | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|--|----------------------------------|-------------|---|----------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 109493.40 | | Cum | 264.83 | INR Two Hundred & Sixty Four and Paise Eighty Three Only | 2,89,97,247.66 | | |
| | Item No.20 | | | | | | |
| | Providing, fixing and erecting RCC (M20) Vent shaft with cowl, 125mm x 225mm internal and external dia respectively at top, 300mm and 450mm internal and external dia at bottom and 9.10m over all length, bottom 1.25m below ground level fixed in the pit 900mmx900mmx1500mm with PCC M15, 250mm in bed and 200mm around with top 150mm in cement concrete 1:2:4 (1 cement 2 coarse sand and 4 graded stone aggregate of 20mm nominal size) junction of vent shaft and concrete grouted with cement mortar 1:2 (1 cement and 2 fine sand) including making connection with sewer manhole with 150 mm dia NP4 RCC pipe (IS 458- amended up to date) for 5.0 m length including Murum bedding complete and as per standard design and finished with water proofing cement of approved brand of required shade as per drawings and/or as directed by Engineer. Providing and fixing RCC ventilation shaft, making connection to manhole etc. complete as directed by EIC. | | | | | | |
| 36.00 | | No. | 23,528.00 | INR Twenty Three Thousand Five Hundred & Twenty Eight Only | 8,47,008.00 | | |
| | Item No.21 | | | | | | |
| | Providing and laying in situ, following grades of C.C. of trap/granite/quartzite /gneiss metal for foundation and bedding including dewatering form work,compacting and curing etc, complete. | | | | | | |
| 2439.87 | a) 1:2:4 (M150) | Cum | 6,756.24 | INR Six Thousand Seven Hundred & Fifty Six and Paise Twenty Four Only | 1,64,84,327.56 | | |
| | Item No.22 | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Dismantling dead pipeline of MS/ RCC/ CI/ PSC and GI/ AC/ PVC/ SW/ HDPE. pipe including cost of necessary excavation and refilling of trenches ,breaking the joints,lifting the pipes and stacking to the places as directed by Engineer-in -charge with all leads and lifts including cleaning the surface etc.complete. | | | | | | |
| 2609.10 | 100 mm dia | Rmt | 250.95 | INR Two Hundred & Fifty and Paise Ninety Five Only | 6,54,753.65 | | |
| 2174.25 | 150 mm dia | Rmt | 260.40 | INR Two Hundred & Sixty and Paise Forty Only | 5,66,174.70 | | |
| 1739.40 | 200 mm dia | Rmt | 287.70 | INR Two Hundred & Eighty Seven and Paise Seventy Only | 5,00,425.38 | | |
| 1304.55 | 250 mm dia | Rmt | 317.10 | INR Three Hundred & Seventeen and Paise Ten Only | 4,13,672.81 | | |
| 869.70 | 300 mm dia | Rmt | 345.45 | INR Three Hundred & Forty Five and Paise Forty Five Only | 3,00,437.87 | | |
| | Item No.23 | | | | | | |
| | Providing D.I. pipes (push on joints pressure pipes of D. I. of following class and diameters conforming 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 8329/2000 for pipes and IS 158/1969 and IS 12820/1989 or latest edition/ revision with amendments for Rubber Gaskets. | | | | | | |
| | Dia. In mm Class - D.I. K-7 | | | | | | |
| 261.00 | 100mm | Rmt | 1,209.00 | INR One Thousand Two Hundred & Nine Only | 3,15,549.00 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|---|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 217.00 | 150mm | Rmt | 1,686.00 | INR One Thousand Six Hundred & Eighty Six Only | 3,65,862.00 | | |
| 174.00 | 200mm | Rmt | 2,236.00 | INR Two Thousand Two Hundred & Thirty Six Only | 3,89,064.00 | | |
| 130.00 | 250mm | Rmt | 2,906.00 | INR Two Thousand Nine Hundred & Six Only | 3,77,780.00 | | |
| 87.00 | 300mm | Rmt | 3,571.00 | INR Three Thousand Five Hundred & Seventy One Only | 3,10,677.00 | | |
| | Item No.24 | | | | | | |
| | 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. | | | | | | |
| | Dia. In mm Class - D.I. K-7 | | | | | | |
| 2609.10 | 100 mm dia | Rmt | 77.70 | INR Seventy Seven and Paise Seventy Only | 2,02,727.07 | | |
| 2174.25 | 150 mm dia | Rmt | 94.50 | INR Ninety Four and Paise Fifty Only | 2,05,466.63 | | |
| 1739.40 | 200 mm dia | Rmt | 133.35 | INR One Hundred & Thirty Three and Paise Thirty Five Only | 2,31,948.99 | | |
| 1304.55 | 250 mm dia | Rmt | 175.35 | INR One Hundred & Seventy Five and Paise Thirty Five Only | 2,28,752.84 | | |
| 869.70 | 300 mm dia | Rmt | 189.00 | INR One Hundred & Eighty Nine Only | 1,64,373.30 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|--|----------------------------------|-------------|--|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Item No.25 Providing and supplying ISI Standard DI Specials and fittings with sealing rubber gasket of SBR complete with cast iron follower gland and MS nut bolts coated or otherwise protected from rusting and suitable for DI pipes including cost of labour material and transportation to stores loding unloding excluding GST lived by GOI & GOM in all respect complete as per IS- 9523 | | | | | | |
| 574.81 | 80mm to 300 mm dia | Kg | 153.00 | INR One Hundred & Fifty Three Only | 87,946.60 | | |
| | Item No.26 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. | | | | | | |
| 7248.00 | 100 mm dia | Rmt | 150.15 | INR One Hundred & Fifty and Paise Fifteen Only | 10,88,287.20 | | |
| | Item No.27 Providing and supplying in standard lengthsH.D. Polyethylene Pipes, conforming to IS 4984 /14151 / 12786 / 13488 with necessary jointing material like mechanical connector i. e. thread / insert joint / quick release coupler joint /compression fitting joint or flanged joint excluding coupler/ specials, including transportation and freight charges, inspection charges, loading / unloading charges, conveyance to the departmental stores & stacking the same in closed shade duly protecting from sunrays & rains, excluding GST levied by GI & GOM in all respect etc. complete.As per IS:4984-2016(HDPE Pipes upto 110mm dia. shall be | | | | | | |
| 3624.00 | 110mm | Rmt | 319.00 | INR Three Hundred & Nineteen Only | 11,56,056.00 | | |
| | Item No.28 | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|---|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 7248.00 | Lowering, Laying and Jointing H. D. P. E./M. D. P. E. pipes in proper position including all specials by compression fitting/electrofusion and butt fusion jointing procedure as per relevant IS Code complete with all materials for jointing procedure like Electrofusion machine, Electric heater/ butt fusion welding machine with hydraulic jack, top loading clamp etc. and all labours as directed by engineer in charge as per IS 7634 Part II | Rmt | 81.90 | INR Eighty One and Paise Ninety Only | 5,93,611.20 | | |
| | Item No.29 | | | | | | |
| | Drainage Drops Providing following dia. S.W. or R.C.C.pipes in vertical drop arrangement including providing Following dia S.W. and R.C.C. pipe fixed in B.B. masonry of manhole at the required level including providing Following dia. double tee, Following dia. right angled bend, encasing in B.B. masonry 1:4 proportion all around the pipe, double tee, bend upto the foundation of manhole, jointing, cutting, filleting including neat cement rendering, plugging the opening with jungle wood knob complete as directed by Engineer-in-charge (0.60 M depth) excluding cost of chamber. | | | | | | |
| 228 | 200 mm Dia. with initial 0.60 M Depth | No | 3,265.50 | INR Three Thousand Two Hundred & Sixty Five and Paise Fifty Only | 7,44,534.00 | | |
| 110 | 200 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,059.45 | INR One Thousand & Fifty Nine and Paise Forty Five Only | 1,16,539.50 | | |
| 46 | 200 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,118.90 | INR Two Thousand One Hundred & Eighteen and Paise Ninety Only | 97,469.40 | | |
| 20 | 200 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 3,178.35 | INR Three Thousand One Hundred & Seventy Eight and Paise Thirty Five Only | 63,567.00 | | |
| 28 | 200 mm Dia. with 2.0 M depth beyond initial depth of 0.60 M. | No | 4,237.80 | INR Four Thousand Two Hundred & Thirty Seven and Paise Eighty Only | 1,18,658.40 | | |
| 6 | 200 mm Dia. with 2.5 M depth beyond initial depth of 0.60 M. | No | 5,297.25 | INR Five Thousand Two Hundred & Ninety Seven and Paise Twenty Five Only | 31,783.50 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|--|----------------------------------|-------------|---|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 2 | 200 mm Dia. with 3.0 M depth beyond initial depth of 0.60 M. | No | 6,356.70 | INR Six Thousand Three Hundred & Fifty Six and Paise Seventy Only | 12,713.40 | | |
| 4 | 200 mm Dia. with 3.5 M depth beyond initial depth of 0.60 M. | No | 7,416.15 | INR Seven Thousand Four Hundred & Sixteen and Paise Fifteen Only | 29,664.60 | | |
| 3 | 200 mm Dia. with 4.0 M depth beyond initial depth of 0.60 M. | No | 8,475.60 | INR Eight Thousand Four Hundred & Seventy Five and Paise Sixty Only | 25,426.80 | | |
| 4 | 200 mm Dia. with 4.5 M depth beyond initial depth of 0.60 M. | No | 9,535.05 | INR Nine Thousand Five Hundred & Thirty Five and Paise Five Only | 38,140.20 | | |
| 11 | 250 mm Dia. with initial 0.60 M Depth | No | 3,982.65 | INR Three Thousand Nine Hundred & Eighty Two and Paise Sixty Five Only | 43,809.15 | | |
| 5 | 250 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,257.90 | INR One Thousand Two Hundred & Fifty Seven and Paise Ninety Only | 6,289.50 | | |
| 2 | 250 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,515.80 | INR Two Thousand Five Hundred & Fifteen and Paise Eighty Only | 5,031.60 | | |
| 1 | 250 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 3,773.70 | INR Three Thousand Seven Hundred & Seventy Three and Paise Seventy Only | 3,773.70 | | |
| 0 | 250 mm Dia. with 2.0 M depth beyond initial depth of 0.60 M. | No | 5,031.60 | INR Five Thousand & Thirty One and Paise Sixty Only | 0.00 | | |
| 1 | 250 mm Dia. with 2.5 M depth beyond initial depth of 0.60 M. | No | 6,289.50 | INR Six Thousand Two Hundred & Eighty Nine and Paise Fifty Only | 6,289.50 | | |
| 1 | 250 mm Dia. with 3.0 M depth beyond initial depth of 0.60 M. | No | 7,547.40 | INR Seven Thousand Five Hundred & Forty Seven and Paise Forty Only | 7,547.40 | | |
| 3 | 300 mm Dia. with initial 0.60 M Depth | No | 4,822.65 | INR Four Thousand Eight Hundred & Twenty Two and Paise Sixty Five Only | 14,467.95 | | |
| 0 | 300 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,414.35 | INR One Thousand Four Hundred & Fourteen and Paise Thirty Five Only | 0.00 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|--|----------------------------------|-------------|---|--------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 0 | 300 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,828.70 | INR Two Thousand Eight Hundred & Twenty Eight and Paise Seventy Only | 0.00 | | |
| 0 | 300 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 4,243.05 | INR Four Thousand Two Hundred & Forty Three and Paise Five Only | 0.00 | | |
| 1 | 300 mm Dia. with 2.0 M depth beyond initial depth of 0.60 M. | No | 5,657.40 | INR Five Thousand Six Hundred & Fifty Seven and Paise Forty Only | 5,657.40 | | |
| 0 | 300 mm Dia. with 2.5 M depth beyond initial depth of 0.60 M. | No | 7,071.75 | INR Seven Thousand & Seventy One and Paise Seventy Five Only | 0.00 | | |
| 1 | 300 mm Dia. with 3.0 M depth beyond initial depth of 0.60 M. | No | 8,486.10 | INR Eight Thousand Four Hundred & Eighty Six and Paise Ten Only | 8,486.10 | | |
| 1 | 400 mm Dia. with initial 0.60 M Depth | No | 6,710.55 | INR Six Thousand Seven Hundred & Ten and Paise Fifty Five Only | 6,710.55 | | |
| 0 | 400 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,833.30 | INR One Thousand Eight Hundred & Thirty Three and Paise Thirty Only | 0.00 | | |
| 1 | 400 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 3,666.60 | INR Three Thousand Six Hundred & Sixty Six and Paise Sixty Only | 3,666.60 | | |
| 0 | 400 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 5,499.90 | INR Five Thousand Four Hundred & Ninety Nine and Paise Ninety Only | 0.00 | | |
| 1.00 | 500 mm Dia. with initial 0.60 M Depth | No | 8,564.85 | INR Eight Thousand Five Hundred & Sixty Four and Paise Eighty Five Only | 8,564.85 | | |
| 0.00 | 400 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,248.05 | INR Two Thousand Two Hundred & Forty Eight and Paise Five Only | 0.00 | | |
| 2.00 | 600 mm Dia. with initial 0.60 M Depth | No | 10,980.90 | INR Ten Thousand Nine Hundred & Eighty and Paise Ninety Only | 21,961.80 | | |
| 1.00 | 600 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 2,592.45 | INR Two Thousand Five Hundred & Ninety Two and Paise Forty Five Only | 2,592.45 | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|---|----------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 1.00 | 600 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 5,184.90 | INR Five Thousand One Hundred & Eighty Four and Paise Ninety Only | 5,184.90 | | |
| 1.00 | 600 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 7,777.35 | INR Seven Thousand Seven Hundred & Seventy Seven and Paise Thirty Five Only | 7,777.35 | | |
| | Item No.30 | | | | | | |
| | Sewerline Installation and pressure Pipe Installation Installation of HDPE product pipe by HDD method for on grade gravity sewer including preparing and setting up the plant and equipment,preparing new pipe-work material,making of entry & exit pits upto 1.5 meter depth,installing new pipe-work and commissioning system or making the system ready for commissioning by HDD operating including all related civil and mechanical works like excavation,shoring,strutting etc. drilling, stringing,reaming and pulling back the new pipe work on the designed bore path alignment,proper disposal of drilling fluid and back fill of site after complete all inclusive as per IndSTT:101-2007:Code of practice for horizontal Drilling Technique suiting Indian conditions. | | | | | | |
| | Rocks | | | | | | |
| | HDPE Pipes between 110 mm & 225 mm Outer Dia. | | | | | | |
| 855.30 | 200mm OD | Rmt | 20,520.00 | INR Twenty Thousand Five Hundred & Twenty Only | 1,75,50,756.00 | | |
| | HDPE Pipes between 710 mm & 900 mm Outer Dia. | | | | | | |
| 302.20 | 900mm OD | Rmt | 82,935.00 | INR Eighty Two Thousand Nine Hundred & Thirty Five Only | 2,50,62,957.00 | | |
| | Item No.31 | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|-------------------|---|----------------------------------|-------------|---|----------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Providing, supplying in standard lengths Polythelene Pipes conforming to IS -4984/ 14151/ 12786/ 13488 with necessary jointing material like mechanical connectors i.e. thread/ insert joint/quick release coupler joint/compression fitting joint or flanged joint, including all taxes (Central and local) transportation and freight charges, inspection charges, conveyance to the departmental stores/ site and stacking the same in closed shade duly protecting from sunrays and rains, etc. complete. | | | | | | |
| | P.E-100 -8 KG/CM² | | | | | | |
| 855.30 | 200mm OD | Rmt | 1,333.00 | INR One Thousand Three Hundred & Thirty Three Only | 11,40,114.90 | | |
| 302.20 | 900mm OD | Rmt | 27,892.00 | INR Twenty Seven Thousand Eight Hundred & Ninety Two Only | 84,28,962.40 | | |
| | Item No.33 | | | | | | |
| | Pushing of M. S. Pipe of following dia. for road crossing and Railway Crossing by push through method in all types of strata by using hydraulic jack and drilling machine of required diameter below M. S. Casing pipe lowering, laying, jointing of material, required welding machinery, tripod, chain pulley block, crane blower compressor, loading and unloading of machinery into the trench etc. transportation and dewatering etc. complete as directed by Engineer-in-charge but excluding cost of M.S. pipes. | | | | | | |
| 1056.20 | a) 200 mm dia. to 499 mm dia. M.S. pipe | RMT | 28,998.90 | INR Twenty Eight Thousand Nine Hundred & Ninety Eight and Paise Ninety Only | 3,06,28,638.18 | | |
| 70.40 | b) 500 mm dia. to 1000 mm dia. M. S.pipe | RMT | 36,248.10 | INR Thirty Six Thousand Two Hundred & Forty Eight and Paise Ten Only | 25,51,866.24 | | |
| | Item No.34 | | | | | | |

| SUB-WORK NO.: 2 a | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 82,25,29,160.32 |
|---|---|----------------------------------|-------------|---|------------------------|--|-----------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Manufacturing, providing and supplying spirally welded / ERW/ SAW / fabricated M. S. pipes (Commercial Quality) including procurements of plates, gas cutting to required size rolling, tack welding assembling in suitable lengths to form pipes, welding on automatic welding machine and forming 'V' edge on both ends of pipes including railway freight, insurance, unloading from railway wagon, loading into truck, transport to stores, unloading, stacking, excluding GST levied by GOI & GOM in all respect etc. complete as per IS - 3589 and IS-5504 as applicable as per specifications (No negative tolerance in thickness is permissible). | | | | | | |
| 884.90 | Dia of Pipe : 450.00 mm (I. D.) - 8 mm thick | Rmt | 7,571.00 | INR Seven Thousand Five Hundred & Seventy One Only | 66,99,577.90 | | |
| 38.50 | Dia of Pipe : 500.00 mm (I. D.) - 8 mm thick | Rmt | 9,427.00 | INR Nine Thousand Four Hundred & Twenty Seven Only | 3,62,939.50 | | |
| 52.30 | Dia of Pipe : 550.00 mm (I. D.) - 8 mm thick | Rmt | 10,355.00 | Ten Thousand Three Hundred & Fifty Five Only | 5,41,566.50 | | |
| 80.50 | Dia of Pipe : 650.00 mm (I. D.) - 8 mm thick | Rmt | 12,211.00 | Twelve Thousand Two Hundred & Eleven Only | 9,82,985.50 | | |
| 30.00 | Dia of Pipe : 1000.00 mm (I. D.) - 8 mm thick | Rmt | 18,706.00 | Eighteen Thousand Seven Hundred & Six Only | 5,61,180.00 | | |
| 40.40 | Dia of Pipe : 1300.00 mm (I. D.) -10 mm thick | Rmt | 30,388.00 | INR Thirty Thousand Three Hundred & Eighty Eight Only | 12,27,675.20 | | |
| | Item No.35 | | | | | | |
| | Utility Shifting | | | | | | |
| | Repairing the damaged water supply pipe line of HSC, Electrical/ Telephone/ Other cable including cost of G.I. Pipe and cables with all connection material, labours etc. complete. | | | | | | |
| | | | | | | | |
| 87.666 | | Km | 31,524.00 | INR Thirty One Thousand Five Hundred & Twenty Four Only | 27,63,581.09 | | |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: 2 a | | | | | 82,25,29,160.32 | | |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: 2 b | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) |
|---|------|---|------|-------------|--|-----------------|
| | | | | In figures | In words | |
| COLLECTION AND CONVEYANCE SYSTEM | | | | | | |
| | | Item No.1 | | | | |
| | | Excavation for Foundation/ pipe trenches for works of Sewer Pipeline,gravity mains, and for all types of pipe materials in all types of Soil , earthy or sandy materials,soil of all type of sand,clay mud,Soft Murum ,soft average or hard murum, Boulders,all type of disintegrated rock ,shingles,brick bats ,isolated boulders of any size,all type of rock including soft ,hard and manjara rock by permissible and suitable methods such as Controlled blasting, chiselling, wedging,line drilling and or by use of mechanical means including excavation in all type of road surfaces such as WBM, Asphalt,concrete road,including trimming the surface by chiselling whenever required including removing the roots of trees met with during excavation levelling the bed and keeping it clean and dry by dewatering and making ready for lowering,laying of pipe, manual dewatering,excluding backfilling including removing the excavated stuff upto a distance of 50 m beyond the work site and stacking the same as directed by Engineer in charge etc. complete for lift as mentioned below. Lift 0 -1.50 M | | | | |
| 309592.96 | | Lift 0 -1.50 M | Cum | 521.77 | INR Five Hundred & Twenty One and Paise Seventy Seven Only | 16,15,36,317.95 |
| | | | | | | |
| | | Item No.2 | | | | |
| | | Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling, by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer in-charge, normal dewatering, excluding backfilling, etc. complete by all means. | | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|---|-----------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 124146.451 | Lift 1.5 to 3.0 m | Cum | 1,261.70 | INR One Thousand Two Hundred & Sixty One and Paise Seventy Only | 15,66,35,577.26 | | | |
| 26378.182 | Lift 3.0 to 4.5 m | Cum | 1,292.50 | INR One Thousand Two Hundred & Ninety Two and Paise Fifty Only | 3,40,93,800.23 | | | |
| 4343.598 | Lift 4.5 to 6.0 m | Cum | 1,323.30 | INR One Thousand Three Hundred & Twenty Three and Paise Thirty Only | 57,47,882.98 | | | |
| 649.190 | Lift 6.0 to 7.5 m | Cum | 1,354.10 | INR One Thousand Three Hundred & Fifty Four and Paise Ten Only | 8,79,068.54 | | | |
| 581.570 | Lift 7.5 to 9.0 m | Cum | 1,384.90 | INR One Thousand Three Hundred & Eighty Four and Paise Ninety Only | 8,05,416.29 | | | |
| 291.380 | Lift 9.0 to 10.5 m | Cum | 1,415.70 | INR One Thousand Four Hundred & Fifteen and Paise Seventy Only | 4,12,506.67 | | | |
| 55.410 | Lift 10.5 to 12.0 m | Cum | 1,446.50 | INR One Thousand Four Hundred & Forty Six and Paise Fifty Only | 80,150.57 | | | |
| 0.000 | Lift 12.0 to 13.5 m | Cum | 1,477.30 | INR One Thousand Four Hundred & Seventy Seven and Paise Thirty Only | 0.00 | | | |
| 0.000 | Lift 13.5 to 15.0 m | Cum | 1,508.10 | INR One Thousand Five Hundred & Eight and Paise Ten Only | 0.00 | | | |
| | Item No.3 | | | | | | | |
| | Dewatering the excavated trenches and pools of water in the building trenches, pipeline trenches, well works, by using pumps and other devices including disposing of water to safe distance as directed by Engineer-In-Charge (including cost of machinery, labour and fuel) etc. complete | | | | | | | |
| 55366.53 | | Bhp/hr | 93.45 | INR Ninety Three and Paise Forty Five Only | 51,74,002.23 | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|--|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| | Item No.4 Open timbering in trenches of depth more than 1.5m for shoring & strutting including use of & waste of all necessary timber works including walling ,strutts, open pulling boards/horizontal sheeting ,runners etc. as may be necessary & fixing & removal complete.(Measurements to be taken of the face area timbered) | | | | | | | |
| 5536.653 | a) Lift 0 to 1.5m for non-water logged area. | Sqm | 233.20 | INR Two Hundred & Thirty Three and Paise Twenty Only | 12,91,147.48 | | | |
| | Item No.5 Filling in plinth and floors, murum bedding in trenches with approved murum excavated materials from foundation in 15 cm to 20 cm layers including watering and compaction etc. complete | | | | | | | |
| 73921.34 | | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | 71,40,801.34 | | | |
| | Item No.6 Filling in plinth and floors / trenches with contractor's murum for bedding in 15 cm to 20 cm layers including watering and compaction, etc. complete. | | | | | | | |
| 8213.48 | | Cum | 957.60 | INR Nine Hundred & Fifty Seven and Paise Sixty Only | 78,65,230.46 | | | |
| | Item No.7 | | | | | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|--|-----------------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Providing and supplying in standard length (PE material) Structured -Wall Plastic piping system for non pressure underground drainage and sewerage with smooth internal & corrugated external surface conforming to IS 16098:Part-2 2013 with spigot or plain end with necessary jointing material coupler including transportation and freight charges, inspection charges, loading and unloading charges conveyance to departmental store/site and stacking the same in closed shade duly protecting from direct sun ray and rains excluding GST levied by Gol and GoM in all respect, etc. complete. (Class - SN 8). | | | | | | |
| 158317.40 | 200 ID | Rmt | 730.00 | INR Seven Hundred & Thirty Only | 11,55,71,702.00 | | |
| 6847.10 | 250 ID | Rmt | 1,203.00 | INR One Thousand Two Hundred & Three Only | 82,37,061.30 | | |
| | Item No.8 | | | | | | |
| | Lowering, Laying and Jointing (PE material) Structured-Wall plastic piping system for non-pressure underground by heating to the ends of pipes with the help of teflon coated electric heater to the required temperature and then pressing the ends together against each other, to form a monolithic & leak proof joint by thermosetting process. The pressing may be required to be done with Jacks/ Hydraulic Jacks/Butt fusion machine etc. complete with all materials labours as directed by Engineer - in - charge. | | | | | | |
| 158317.40 | 200 ID | Rmt | 55.65 | INR Fifty Five and Paise Sixty Five Only | 88,10,363.31 | | |
| 6847.10 | 250 ID | Rmt | 68.25 | INR Sixty Eight and Paise Twenty Five Only | 4,67,314.58 | | |
| | Item No.9 | | | | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|--|--------------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Hydraulic testing of HDPE (PE material) Structured- wall Plastic piping for non pressure underground 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 | | | | | | |
| 158.3174 | 200 ID | Km | 5,833.80 | INR Five Thousand Eight Hundred & Thirty Three and Paise Eighty Only | 9,23,592.05 | | |
| 6.8471 | 250 ID | Km | 7,293.30 | INR Seven Thousand Two Hundred & Ninety Three and Paise Thirty Only | 49,937.95 | | |
| | Item No.10 | | | | | | |
| | Providing ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints, excluding all statutory duties and taxes such as GST levied by Gol and GoM in all respect, inspection charges, transport to departmental stores/site, unloading and stacking etc. complete as per IS-458/1988 | | | | | | |
| | Note : One collar should be supplied with each full length plain ended RCC pipe, cost including in rates below. One rubber ring should be supplied with each full length of socketed pipe, cost included in rates below. | | | | | | |
| | Dia in mm Class NP - III | | | | | | |
| 2613.50 | 200 | Rmt | 474.00 | INR Four Hundred & Seventy Four Only | 12,38,799.00 | | |
| 0.00 | 250 | Rmt | 650.00 | INR Six Hundred & Fifty Only | 0.00 | | |
| 5302.90 | 300 | Rmt | 910.00 | INR Nine Hundred & Ten Only | 48,25,639.00 | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|--|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 2323.40 | 350 | Rmt | 1,515.00 | INR One Thousand Five Hundred & Fifteen Only | 35,19,951.00 | | | |
| 473.60 | 400 | Rmt | 1,615.00 | INR One Thousand Six Hundred & Fifteen Only | 7,64,864.00 | | | |
| 1094.00 | 450 | Rmt | 1,742.00 | INR One Thousand Seven Hundred & Forty Two Only | 19,05,748.00 | | | |
| 973.20 | 500 | Rmt | 2,146.00 | INR Two Thousand One Hundred & Forty Six Only | 20,88,487.20 | | | |
| 0.00 | 600 | Rmt | 2,525.00 | INR Two Thousand Five Hundred & Twenty Five Only | 0.00 | | | |
| 2147.50 | 700 | Rmt | 3,534.00 | INR Three Thousand Five Hundred & Thirty Four Only | 75,89,265.00 | | | |
| 1627.10 | 800 | Rmt | 3,787.00 | INR Three Thousand Seven Hundred & Eighty Seven Only | 61,61,827.70 | | | |
| 0.00 | 900 | Rmt | 4,419.00 | INR Four Thousand Four Hundred & Nineteen Only | 0.00 | | | |
| 144.20 | 1000 | Rmt | 4,924.00 | INR Four Thousand Nine Hundred & Twenty Four Only | 7,10,040.80 | | | |
| | Item No.11 | | | | | | | |
| | Lowering, laying and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) 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. | | | | | | | |
| | Dia in mm Class NP - III | | | | | | | |
| 2613.50 | 200 | Rmt | 107.10 | INR One Hundred & Seven and Paise Ten Only | 2,79,905.85 | | | |

| SUB-WORK NO.: 2 b | COLLECTION AND CONVEYANCE SYSTEM | | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|----------------------------------|---|------|-------------|--|--------------|--|-------------------|
| | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | | In figures | In words | | | |
| | | 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. | | | | | | |
| | | Dia in mm Class NP - III | | | | | | |
| 2.614 | 200 | | Km | 11,668.65 | INR Eleven Thousand Six Hundred & Sixty Eight and Paise Sixty Five Only | 30,496.02 | | |
| 0.000 | 250 | | Km | 16,044.00 | INR Sixteen Thousand & Forty Four Only | 0.00 | | |
| 5.303 | 300 | | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 1,00,553.32 | | |
| 2.323 | 350 | | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 44,056.19 | | |
| 0.474 | 400 | | Km | 24,795.75 | INR Twenty Four Thousand Seven Hundred & Ninety Five and Paise Seventy Five Only | 11,743.27 | | |
| 1.094 | 450 | | Km | 29,171.10 | INR Twenty Nine Thousand One Hundred & Seventy One and Paise Ten Only | 31,913.18 | | |
| 0.973 | 500 | | Km | 32,088.00 | INR Thirty Two Thousand & Eighty Eight Only | 31,228.04 | | |
| 0.000 | 600 | | Km | 40,838.70 | INR Forty Thousand Eight Hundred & Thirty Eight and Paise Seventy Only | 0.00 | | |
| 2.148 | 700 | | Km | 45,215.10 | INR Forty Five Thousand Two Hundred & Fifteen and Paise Ten Only | 97,099.43 | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|--|----------------------------------|-------------|---|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 1.627 | 800 | Km | 52,507.35 | INR Fifty Two Thousand Five Hundred & Seven and Paise Thirty Five Only | 85,434.71 | | | |
| 0.000 | 900 | Km | 58,341.15 | INR Fifty Eight Thousand Three Hundred & Forty One and Paise Fifteen Only | 0.00 | | | |
| 0.144 | 1000 | Km | 64,176.00 | INR Sixty Four Thousand One Hundred & Seventy Six Only | 9,254.18 | | | |
| | | | | | | | | |
| | Item No.13 | | | | | | | |
| | Providing ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints, excluding all statutory duties and taxes such as GST levied by Gol and GoM in all respect, inspection charges, transport to departmental stores/site, unloading and stacking etc. complete as per IS-458/1988 | | | | | | | |
| | Note : One collar should be supplied with each full length plain ended RCC pipe, cost including in rates below. One rubber ring should be supplied with each full length of socketed pipe, cost included in rates below. | | | | | | | |
| | Dia in mm Class NP - IV | | | | | | | |
| 408.00 | 200 | Rmt | 537.00 | INR Five Hundred & Thirty Seven Only | 2,19,096.00 | | | |
| 228.90 | 250 | Rmt | 742.00 | INR Seven Hundred & Forty Two Only | 1,69,843.80 | | | |
| 60.40 | 300 | Rmt | 1,136.00 | INR One Thousand One Hundred & Thirty Six Only | 68,614.40 | | | |
| 109.00 | 350 | Rmt | 1,615.00 | INR One Thousand Six Hundred & Fifteen Only | 1,76,035.00 | | | |
| 0.00 | 400 | Rmt | 1,767.00 | INR One Thousand Seven Hundred & Sixty Seven Only | 0.00 | | | |

| SUB-WORK NO.: 2 b | COLLECTION AND CONVEYANCE SYSTEM | | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|----------------------------------|---|------|-------------|--|--------------|--|-------------------|
| | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | | In figures | In words | | | |
| | | 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. | | | | | | |
| | | Dia in mm Class NP - IV | | | | | | |
| 0.408 | 200 | | Km | 11,668.65 | INR Eleven Thousand Six Hundred & Sixty Eight and Paise Sixty Five Only | 4,760.81 | | |
| 0.229 | 250 | | Km | 16,044.00 | INR Sixteen Thousand & Forty Four Only | 3,672.47 | | |
| 0.060 | 300 | | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 1,145.30 | | |
| 0.109 | 350 | | Km | 18,961.95 | INR Eighteen Thousand Nine Hundred & Sixty One and Paise Ninety Five Only | 2,066.85 | | |
| 0.000 | 400 | | Km | 24,795.75 | INR Twenty Four Thousand Seven Hundred & Ninety Five and Paise Seventy Five Only | 0.00 | | |
| 0.415 | 450 | | Km | 29,171.10 | INR Twenty Nine Thousand One Hundred & Seventy One and Paise Ten Only | 12,100.17 | | |
| 0.000 | 500 | | Km | 32,088.00 | INR Thirty Two Thousand & Eighty Eight Only | 0.00 | | |
| 0.009 | 600 | | Km | 40,838.70 | INR Forty Thousand Eight Hundred & Thirty Eight and Paise Seventy Only | 383.88 | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---------------------|----------------------------------|-------------|---|----------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 909 | For depth upto 2m | No. | 30,605.40 | INR Thirty Thousand Six Hundred & Five and Paise Forty Only | 2,78,20,308.60 | | | |
| 336 | For depth upto 2.5m | No. | 42,840.00 | INR Forty Two Thousand Eight Hundred & Forty Only | 1,43,94,240.00 | | | |
| 164 | For depth upto 3m | No. | 51,723.00 | INR Fifty One Thousand Seven Hundred & Twenty Three Only | 84,82,572.00 | | | |
| 131 | For depth upto 3.5m | No. | 60,606.00 | INR Sixty Thousand Six Hundred & Six Only | 79,39,386.00 | | | |
| 81 | For depth upto 4.0m | No. | 69,489.00 | INR Sixty Nine Thousand Four Hundred & Eighty Nine Only | 56,28,609.00 | | | |
| 86 | For depth upto 4.5m | No. | 78,372.00 | INR Seventy Eight Thousand Three Hundred & Seventy Two Only | 67,39,992.00 | | | |
| 37 | For depth upto 5.0m | No. | 87,255.00 | INR Eighty Seven Thousand Two Hundred & Fifty Five Only | 32,28,435.00 | | | |
| | | | | | | | | |
| | Item No.17 | | | | | | | |

| SUB-WORK NO.: 2 b | COLLECTION AND CONVEYANCE SYSTEM | | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|----------------------------------|--|------|-------------|---|--------------|--|-------------------|
| | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | | In figures | In words | | | |
| | | Providing and constructing on sewer RCC. circular manhole chamber with concentric cone 1.2m to 1.5 dia. at bottom and 0.5 dia. at top upto depth of 2m to 7.5 m, with 20cm to 25 Cm thick wall (As per Design) , with 20mm thick smooth plaster on both sides in C.M. 1:2 proportion including additional excavation, foundation concrete 250mm thick and hounches and channels in C.C. 1:2:4 proportion, finishing channels in smooth rendering, providing and fixing C.I. Dapauri types steps, each weighing 5.5kg, 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56cm dia. (20 tonnes capacity), etc. complete as directed by Engineer-In-charge. | | | | | | |
| 0 | For depth upto 1.5m | | No. | 48,592.00 | INR Forty Eight Thousand Five Hundred & Ninety Two Only | 0.00 | | |
| 0 | For depth upto 2.0m | | No. | 54,978.00 | INR Fifty Four Thousand Nine Hundred & Seventy Eight Only | 0.00 | | |
| 0 | For depth upto 2.5m | | No. | 1,02,123.00 | INR One Lakh Two Thousand One Hundred & Twenty Three Only | 0.00 | | |
| 0 | For depth upto 3.0m | | No. | 1,14,912.00 | INR One Lakh Fourteen Thousand Nine Hundred & Twelve Only | 0.00 | | |
| 0 | For depth upto 3.5m | | No. | 1,27,701.00 | INR One Lakh Twenty Seven Thousand Seven Hundred & One Only | 0.00 | | |
| 0 | For depth upto 4.0m | | No. | 1,40,490.00 | INR One Lakh Forty Thousand Four Hundred & Ninety Only | 0.00 | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---------------------|----------------------------------|-------------|---|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 0 | For depth upto 4.5m | No. | 1,53,279.00 | INR One Lakh Fifty Three Thousand Two Hundred & Seventy Nine Only | 0.00 | | | |
| 0 | For depth upto 5.0m | No. | 1,66,068.00 | INR One Lakh Sixty Six Thousand & Sixty Eight Only | 0.00 | | | |
| 16 | For depth upto 5.5m | No. | 2,93,238.00 | INR Two Lakh Ninety Three Thousand Two Hundred & Thirty Eight Only | 46,91,808.00 | | | |
| 12 | For depth upto 6.0m | No. | 3,12,833.00 | INR Three Lakh Twelve Thousand Eight Hundred & Thirty Three Only | 37,53,996.00 | | | |
| 16 | For depth upto 6.5m | No. | 3,32,428.00 | INR Three Lakh Thirty Two Thousand Four Hundred & Twenty Eight Only | 53,18,848.00 | | | |
| 13 | For depth upto 7.0m | No. | 3,52,023.00 | INR Three Lakh Fifty Two Thousand & Twenty Three Only | 45,76,299.00 | | | |
| 5 | For depth upto 7.5m | No. | 3,71,618.00 | INR Three Lakh Seventy One Thousand Six Hundred & Eighteen Only | 18,58,090.00 | | | |
| 4 | For depth upto 8.0m | No. | 3,91,213.00 | INR Three Lakh Ninety One Thousand Two Hundred & Thirteen Only | 15,64,852.00 | | | |
| 5 | For depth upto 8.5m | No. | 4,10,808.00 | INR Four Lakh Ten Thousand Eight Hundred & Eight Only | 20,54,040.00 | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---------------------|----------------------------------|-------------|---|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 5 | For depth upto9.0m | No. | 4,30,403.00 | INR Four Lakh Thirty Thousand Four Hundred & Three Only | 21,52,015.00 | | | |
| 3 | For depth upto9.5m | No. | 5,70,761.00 | INR Five Lakh Seventy Thousand Seven Hundred & Sixty One Only | 17,12,283.00 | | | |
| 4 | For depth upto10.0m | No. | 5,95,106.00 | INR Five Lakh Ninety Five Thousand One Hundred & Six Only | 23,80,424.00 | | | |
| 2 | For depth upto10.5m | No. | 6,19,451.00 | INR Six Lakh Nineteen Thousand Four Hundred & Fifty One Only | 12,38,902.00 | | | |
| 0 | For depth upto11.0m | No. | 6,43,796.00 | INR Six Lakh Forty Three Thousand Seven Hundred & Ninety Six Only | 0.00 | | | |
| 0 | For depth upto11.5m | No. | 6,68,141.00 | INR Six Lakh Sixty Eight Thousand One Hundred & Forty One Only | 0.00 | | | |
| 0 | For depth upto12.0m | No. | 6,92,486.00 | INR Six Lakh Ninety Two Thousand Four Hundred & Eighty Six Only | 0.00 | | | |
| 0 | For depth upto12.5m | No. | 7,16,831.00 | INR Seven Lakh Sixteen Thousand Eight Hundred & Thirty One Only | 0.00 | | | |
| 0 | For depth upto13.0m | No. | 7,41,176.00 | INR Seven Lakh Forty One Thousand One Hundred & Seventy Six Only | 0.00 | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|--|----------------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 0 | For depth upto13.5m | No. | 7,65,521.00 | INR Seven Lakh Sixty Five Thousand Five Hundred & Twenty One Only | 0.00 | | |
| 0 | For depth upto14.0m | No. | 7,89,866.00 | INR Seven Lakh Eighty Nine Thousand Eight Hundred & Sixty Six Only | 0.00 | | |
| 0 | For depth upto 14.5m | No. | 8,14,211.00 | INR Eight Lakh Fourteen Thousand Two Hundred & Eleven Only | 0.00 | | |
| | Item No.18 | | | | | | |
| | 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. | | | | | | |
| 337585.54 | | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | 3,26,10,763.14 | | |
| | Item No.19 | | | | | | |
| | Removing and transporting the excavated surplus material of all categories and disposing of the same as directed, including loading, conveying, spreading or stacking beyond the initial lead of 5 Km as directed etc. complete | | | | | | |
| 136666.68 | | Cum | 264.83 | INR Two Hundred & Sixty Four and Paise Eighty Three Only | 3,61,93,574.03 | | |
| | Item No.20 | | | | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|--|----------------------------------|-------------|---|----------------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| | Providing, fixing and erecting RCC (M20) Vent shaft with cowl, 125mm x 225mm internal and external dia respectively at top, 300mm and 450mm internal and external dia at bottom and 9.10m over all length, bottom 1.25m below ground level fixed in the pit 900mmx900mmx1500mm with PCC M15, 250mm in bed and 200mm around with top 150mm in cement concrete 1:2:4 (1 cement 2 coarse sand and 4 graded stone aggregate of 20mm nominal size) junction of vent shaft and concrete grouted with cement mortar 1:2 (1 cement and 2 fine sand) including making connection with sewer manhole with 150 mm dia NP4 RCC pipe (IS 458- amended up to date) for 5.0 m length including Murum bedding complete and as per standard design and finished with water proofing cement of approved brand of required shade as per drawings and/or as directed by Engineer. Providing and fixing RCC ventilation shaft, making connection to manhole etc. complete as directed by EIC. | | | | | | |
| 46.00 | | No. | 23,528.00 | INR Twenty Three Thousand Five Hundred & Twenty Eight Only | 10,82,288.00 | | |
| | Item No.21 | | | | | | |
| | Providing and laying in situ, following grades of C.C. of trap/granite/quartzite /gneiss metal for foundation and bedding including dewatering form work,compacting and curing etc, complete. | | | | | | |
| 1826.09 | a) 1:2:4 (M150) | Cum | 6,756.24 | INR Six Thousand Seven Hundred & Fifty Six and Paise Twenty Four Only | 1,23,37,496.92 | | |
| | Item No.22 | | | | | | |
| | Dismantling dead pipeline of MS/ RCC/ CI/ PSC and GI/ AC/ PVC/ SW/ HDPE. pipe including cost of necessary excavation and refilling of trenches ,breaking the joints,lifting the pipes and stacking to the places as directed by Engineer-in -charge with all leads and lifts including cleaning the surface etc.complete. | | | | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|--|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 3321.90 | 100 mm dia | Rmt | 250.95 | INR Two Hundred & Fifty and Paise Ninety Five Only | 8,33,630.81 | | | |
| 2768.25 | 150 mm dia | Rmt | 260.40 | INR Two Hundred & Sixty and Paise Forty Only | 7,20,852.30 | | | |
| 2214.60 | 200 mm dia | Rmt | 287.70 | INR Two Hundred & Eighty Seven and Paise Seventy Only | 6,37,140.42 | | | |
| 1660.95 | 250 mm dia | Rmt | 317.10 | INR Three Hundred & Seventeen and Paise Ten Only | 5,26,687.25 | | | |
| 1107.30 | 300 mm dia | Rmt | 345.45 | INR Three Hundred & Forty Five and Paise Forty Five Only | 3,82,516.79 | | | |
| | Item No.23 | | | | | | | |
| | Providing D.I. pipes (push on joints pressure pipes of D. I. of following class and diameters conforming 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 8329/2000 for pipes and IS 158/1969 and IS 12820/1989 or latest edition/ revision with amendments for Rubber Gaskets. | | | | | | | |
| | Dia. In mm Class - D.I. K-7 | | | | | | | |
| 332.00 | 100mm | Rmt | 1,209.00 | INR One Thousand Two Hundred & Nine Only | 4,01,388.00 | | | |
| 277.00 | 150mm | Rmt | 1,686.00 | INR One Thousand Six Hundred & Eighty Six Only | 4,67,022.00 | | | |
| 221.00 | 200mm | Rmt | 2,236.00 | INR Two Thousand Two Hundred & Thirty Six Only | 4,94,156.00 | | | |

| SUB-WORK NO.: 2 b COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|--|---|------|-------------|---|--------------|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | |
| | | | In figures | In words | | |
| 166.00 | 250mm | Rmt | 2,906.00 | INR Two Thousand Nine Hundred & Six Only | 4,82,396.00 | |
| 111.00 | 300mm | Rmt | 3,571.00 | INR Three Thousand Five Hundred & Seventy One Only | 3,96,381.00 | |
| | Item No.24 | | | | | |
| | 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. | | | | | |
| | Dia. In mm Class - D.I. K-7 | | | | | |
| 3321.90 | 100 mm dia | Rmt | 77.70 | INR Seventy Seven and Paise Seventy Only | 2,58,111.63 | |
| 2768.25 | 150 mm dia | Rmt | 94.50 | INR Ninety Four and Paise Fifty Only | 2,61,599.63 | |
| 2214.60 | 200 mm dia | Rmt | 133.35 | INR One Hundred & Thirty Three and Paise Thirty Five Only | 2,95,316.91 | |
| 1660.95 | 250 mm dia | Rmt | 175.35 | INR One Hundred & Seventy Five and Paise Thirty Five Only | 2,91,247.58 | |
| 1107.30 | 300 mm dia | Rmt | 189.00 | INR One Hundred & Eighty Nine Only | 2,09,279.70 | |
| | Item No.25 | | | | | |
| | Providing and supplyind ISI Standerd DI Specials and fittings with sealing rubbre gasket of SBR complete with cast iron follower gland and MS nut bolts coated or otherwise protected from rusting and suitable for DI pipes including cost of labour material and transportation to stores loding unloading excluding GST lived by GOI & GOM in all respect complete as per IS- 9523 | | | | | |

| SUB-WORK NO.: 2 b COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|---|--|-------------|--------------------|--|--|--------------------------|
| Qty. | Description of item | unit | Tender Rate | | | |
| | | | In figures | In words | | |
| Amount (Rs.) | | | | | | |
| 732.47 | 80mm to 300 mm dia | Kg | 153.00 | INR One Hundred & Fifty Three Only | | 1,12,067.15 |
| | | | | | | |
| | Item No.26 | | | | | |
| | 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. | | | | | |
| 9228.00 | 100 mm dia | Rmt | 150.15 | INR One Hundred & Fifty and Paise Fifteen Only | | 13,85,584.20 |
| | | | | | | |
| | Item No.27 | | | | | |
| | Providing and supplying in standard lengths H.D. Polyethylene Pipes, conforming to IS 4984 /14151 / 12786 / 13488 with necessary jointing material like mechanical connector i. e. thread / insert joint / quick release coupler joint /compression fitting joint or flanged joint excluding coupler/ specials, including transportation and freight charges, inspection charges, loading / unloading charges, conveyance to the departmental stores & stacking the same in closed shade duly protecting from sunrays & rains, excluding GST levied by GI & GOM in all respect etc. complete.As per IS:4984-2016(HDPE Pipes upto 110mm dia. shall be | | | | | |
| 4614.00 | 110mm | Rmt | 319.00 | INR Three Hundred & Nineteen Only | | 14,71,866.00 |
| | | | | | | |
| | Item No.28 | | | | | |
| | Lowering, Laying and Jointing H. D. P. E./M. D. P. E. pipes in proper position including all specials by compression fitting/electrofusion and butt fusion jointing procedure as per relevant IS Code complete with all materials for jointing procedure like Electrofusion machine, Electric heater/ butt fusion welding machine with hydraulic jack, top loading clamp etc. and all labours as directed by engineer in charge as per IS 7634 Part II | | | | | |
| 9228.00 | 110mm | Rmt | 81.90 | INR Eighty One and Paise Ninety Only | | 7,55,773.20 |
| | | | | | | |
| | Item No.29 | | | | | |

| SUB-WORK NO.: 2 b | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|---------------------|----------|---|----------|--------------|-------------------|
| | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | |
| | | | | In figures | In words | | |
| | Drainage Drops Providing following dia. S.W. or R.C.C.pipes in vertical drop arrangement including providing Following dia S.W. and R.C.C. pipe fixed in B.B. masonry of manhole at the required level including providing Following dia. double tee, Following dia. right angled bend, encasing in B.B. masonry 1:4 proportion all around the pipe, double tee, bend upto the foundation of manhole, jointing, cutting, filleting including neat cement rendering, plugging the opening with jungle wood knob complete as directed by Engineer-in-charge (0.60 M depth) excluding cost of chamber. | | | | | | |
| 252 | 200 mm Dia. with initial 0.60 M Depth | No | 3,265.50 | INR Three Thousand Two Hundred & Sixty Five and Paise Fifty Only | | 8,22,906.00 | |
| 134 | 200 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,059.45 | INR One Thousand & Fifty Nine and Paise Forty Five Only | | 1,41,966.30 | |
| 47 | 200 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,118.90 | INR Two Thousand One Hundred & Eighteen and Paise Ninety Only | | 99,588.30 | |
| 23 | 200 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 3,178.35 | INR Three Thousand One Hundred & Seventy Eight and Paise Thirty Five Only | | 73,102.05 | |
| 19 | 200 mm Dia. with 2.0 M depth beyond initial depth of 0.60 M. | No | 4,237.80 | INR Four Thousand Two Hundred & Thirty Seven and Paise Eighty Only | | 80,518.20 | |
| 9 | 200 mm Dia. with 2.5 M depth beyond initial depth of 0.60 M. | No | 5,297.25 | INR Five Thousand Two Hundred & Ninety Seven and Paise Twenty Five Only | | 47,675.25 | |
| 10 | 200 mm Dia. with 3.0 M depth beyond initial depth of 0.60 M. | No | 6,356.70 | INR Six Thousand Three Hundred & Fifty Six and Paise Seventy Only | | 63,567.00 | |
| 3 | 200 mm Dia. with 3.5 M depth beyond initial depth of 0.60 M. | No | 7,416.15 | INR Seven Thousand Four Hundred & Sixteen and Paise Fifteen Only | | 22,248.45 | |
| 3 | 200 mm Dia. with 4.0 M depth beyond initial depth of 0.60 M. | No | 8,475.60 | INR Eight Thousand Four Hundred & Seventy Five and Paise Sixty Only | | 25,426.80 | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|--|----------------------------------|-------------|---|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 1 | 200 mm Dia. with 4.5 M depth beyond initial depth of 0.60 M. | No | 9,535.05 | INR Nine Thousand Five Hundred & Thirty Five and Paise Five Only | 9,535.05 | | | |
| 16 | 250 mm Dia. with initial 0.60 M Depth | No | 3,982.65 | INR Three Thousand Nine Hundred & Eighty Two and Paise Sixty Five | 63,722.40 | | | |
| 9 | 250 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,257.90 | INR One Thousand Two Hundred & Fifty Seven and Paise Ninety Only | 11,321.10 | | | |
| 4 | 250 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,515.80 | INR Two Thousand Five Hundred & Fifteen and Paise Eighty Only | 10,063.20 | | | |
| 3 | 250 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 3,773.70 | INR Three Thousand Seven Hundred & Seventy Three and Paise Seventy Only | 11,321.10 | | | |
| 9 | 300 mm Dia. with initial 0.60 M Depth | No | 4,822.65 | INR Four Thousand Eight Hundred & Twenty Two and Paise Sixty Five Only | 43,403.85 | | | |
| 4 | 300 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,414.35 | INR One Thousand Four Hundred & Fourteen and Paise Thirty Five Only | 5,657.40 | | | |
| 1 | 300 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,828.70 | INR Two Thousand Eight Hundred & Twenty Eight and Paise Seventy Only | 2,828.70 | | | |
| 3 | 300 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 4,243.05 | INR Four Thousand Two Hundred & Forty Three and Paise Five Only | 12,729.15 | | | |
| 0 | 300 mm Dia. with 2.0 M depth beyond initial depth of 0.60 M. | No | 5,657.40 | INR Five Thousand Six Hundred & Fifty Seven and Paise Forty Only | 0.00 | | | |
| 1 | 300 mm Dia. with 2.5 M depth beyond initial depth of 0.60 M. | No | 7,071.75 | INR Seven Thousand & Seventy One and Paise Seventy Five Only | 7,071.75 | | | |
| 0 | 300 mm Dia. with 3.0 M depth beyond initial depth of 0.60 M. | No | 8,486.10 | INR Eight Thousand Four Hundred & Eighty Six and Paise Ten Only | 0.00 | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|--|----------------------------------|-------------|---|--------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 2 | 400 mm Dia. with initial 0.60 M Depth | No | 6,710.55 | INR Six Thousand Seven Hundred & Ten and Paise Fifty Five Only | 13,421.10 | | | |
| 2 | 400 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 1,833.30 | INR One Thousand Eight Hundred & Thirty Three and Paise Thirty Only | 3,666.60 | | | |
| 5.00 | 500 mm Dia. with initial 0.60 M Depth | No | 8,564.85 | INR Eight Thousand Five Hundred & Sixty Four and Paise Eighty Five Only | 42,824.25 | | | |
| 2.00 | 400 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 2,248.05 | INR Two Thousand Two Hundred & Forty Eight and Paise Five Only | 4,496.10 | | | |
| 6.00 | 600 mm Dia. with initial 0.60 M Depth | No | 10,980.90 | INR Ten Thousand Nine Hundred & Eighty and Paise Ninety Only | 65,885.40 | | | |
| 1.00 | 600 mm Dia. with 0.5 M depth beyond initial depth of 0.60 M. | No | 2,592.45 | INR Two Thousand Five Hundred & Ninety Two and Paise Forty Five Only | 2,592.45 | | | |
| 4.00 | 600 mm Dia. with 1.0 M depth beyond initial depth of 0.60 M. | No | 5,184.90 | INR Five Thousand One Hundred & Eighty Four and Paise Ninety Only | 20,739.60 | | | |
| 1.00 | 600 mm Dia. with 1.5 M depth beyond initial depth of 0.60 M. | No | 7,777.35 | INR Seven Thousand Seven Hundred & Seventy Seven and Paise Thirty Five Only | 7,777.35 | | | |
| 1.00 | 600 mm Dia. with 2.0 M depth beyond initial depth of 0.60 M. | No | 10,369.80 | INR Ten Thousand Three Hundred & Sixty Nine and Paise Eighty Only | 10,369.80 | | | |
| | Item No.30 | | | | | | | |

| SUB-WORK NO.: 2 b | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|----------------------------------|---|------|------------|---|-------------------|
| | Qty. | Description of item | unit | In figures | Tender Rate In words | |
| | | Sewerline Installation and pressure Pipe Installation Installation of HDPE product pipe by HDD method for on grade gravity sewer including preparing and setting up the plant and equipment,preparing new pipe-work material,making of entry & exit pits upto 1.5 meter depth,installing new pipe-work and commissioning system or making the system ready for commissioning by HDD operating including all related civil and mechanical works like excavation,shoring,strutting etc. drilling, stringing,reaming and pulling back the new pipe work on the designed bore path alignment,proper disposal of drilling fluid and back fill of site after complete all inclusive as per IndSTT:101-2007:Code of practice for horizontal Drilling Technique suiting Indian conditions. | | | | |
| | | Rocks | | | | |
| | | HDPE Pipes between 110 mm & 225 mm Outer Dia. | | | | |
| 160.60 | 200mm OD | | Rmt | 20,520.00 | INR Twenty Thousand Five Hundred & Twenty Only | 32,95,512.00 |
| | | HDPE Pipes between 710 mm & 900 mm Outer Dia. | | | | |
| 718.00 | 800mm OD | | Rmt | 82,935.00 | INR Eighty Two Thousand Nine Hundred & Thirty Five Only | 5,95,47,330.00 |
| 218.00 | 1000mm OD | | Rmt | 82,935.00 | INR Eighty Two Thousand Nine Hundred & Thirty Five Only | 1,80,79,830.00 |
| | | Item No.31 | | | | |
| | | Providing,supplying in standard lengths Polythelene Pipes conforming to IS -4984/ 14151/ 12786/ 13488 with necessary jointing material like mechanical connectors i.e. thread/ insert joint/quick release coupler joint/compression fitting joint or flanged joint,including all taxes(Central and local) transportation and freight charges, inspection charges, conveyance to the departmental stores/ site and stacking the same in closed shade duly protecting from sunrays and rains,etc.complete. | | | | |
| | | P.E.100 -8 KG/CM² | | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | | COST Rs. | | 1,00,08,98,330.43 |
|-------------------|---|----------------------------------|-------------|---|----------------|----------|--|-------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | | |
| | | | In figures | In words | | | | |
| 160.60 | 200mm OD | Rmt | 1,333.00 | INR One Thousand Three Hundred & Thirty Three Only | 2,14,079.80 | | | |
| 718.00 | 800mm OD | Rmt | 22,577.00 | INR Twenty Two Thousand Five Hundred & Seventy Seven Only | 1,62,10,286.00 | | | |
| 218.00 | 1000mm OD | Rmt | 28,577.00 | INR Twenty Eight Thousand Five Hundred & Seventy Seven Only | 62,29,786.00 | | | |
| | Item No.33 | | | | | | | |
| | Pushing of M. S. Pipe of following dia. for road crossing and Railway Crossing by push through method in all types of strata by using hydraulic jack and drilling machine of required diameter below M. S Casing pipe lowering, laying, jointing of material, required welding machinery, tripod, chain pulley block, crane blower compressor loading and unloading of machinery into the trench etc transportation and dewatering etc. complete as directed by Engineer-in-charge but excluding cost of M.S. pipes. | | | | | | | |
| 464.10 | a) 200 mm dia. to 499 mm dia. M.S. pipe | RMT | 28,998.90 | INR Twenty Eight Thousand Nine Hundred & Ninety Eight and Paise Ninety Only | 1,34,58,389.49 | | | |
| 145.60 | b) 500 mm dia. to 1000 mm dia. M. S. pipe | RMT | 36,248.10 | INR Thirty Six Thousand Two Hundred & Forty Eight and Paise Ten Only | 52,77,723.36 | | | |
| | Item No.34 | | | | | | | |
| | Manufacturing, providing and supplying spirally welded / ERW/ SAW / fabricated M. S. pipes (Commercial Quality) including procurements of plates, gas cutting to required size rolling, tack welding assembling in suitable lengths to form pipes, welding on automatic welding machine and forming 'V' edge on both ends of pipes including railway freight, insurance, unloading from railway wagon, loading into truck, transport to stores, unloading, stacking, excluding GST levied by GOI & GOM in all respect etc. complete as per IS - 3589 and IS-5504 as applicable as per specifications (No negative tolerance in thickness is permissible). | | | | | | | |

| SUB-WORK NO.: 2 b | | COLLECTION AND CONVEYANCE SYSTEM | | | COST Rs. | | 1,00,08,98,330.43 |
|---|---|---|--------------------|---|--------------------------|--|--------------------------|
| Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) | | |
| | | | In figures | In words | | | |
| 348.10 | Dia of Pipe : 400.00 mm (I. D.) - 8 mm thick | Rmt | 7,571.00 | INR Seven Thousand Five Hundred & Seventy One Only | 26,35,465.10 | | |
| 87.70 | Dia of Pipe : 550.00 mm (I. D.) - 8 mm thick | Rmt | 10,355.00 | INR Ten Thousand Three Hundred & Fifty Five Only | 9,08,133.50 | | |
| 28.30 | Dia of Pipe : 650.00 mm (I. D.) - 8 mm thick | Rmt | 12,211.00 | INR Twelve Thousand Two Hundred & Eleven Only | 3,45,571.30 | | |
| 110.80 | Dia of Pipe : 900.00 mm (I. D.) - 8 mm thick | Rmt | 16,850.00 | INR Sixteen Thousand Eight Hundred & Fifty Only | 18,66,980.00 | | |
| 34.80 | Dia of Pipe : 1200.00 mm (I. D.) -10 mm thick | Rmt | 28,068.00 | INR Twenty Eight Thousand & Sixty Eight Only | 9,76,766.40 | | |
| | Item No.35 | | | | | | |
| | Utility Shifting | | | | | | |
| | Repairing the damaged water supply pipe line of HSC, Electrical/ Telephone/ Other cable including cost of G.I. Pipe and cables with all connection material, labours etc. complete. | | | | | | |
| | | | | | | | |
| 111.391 | | Km | 31,524.00 | INR Thirty One Thousand Five Hundred & Twenty Four Only | 35,11,490.51 | | |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: 2 b | | | | | 1,00,08,98,330.43 | | |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: | Qty. | Description of item | unit | Tender Rate | | Amount (Rs.) |
|--|------|---|------|-------------|----------|-----------------------|
| | | | | In figures | In words | |
| SEWAGE COLLECTION SUMP/WET WELL- ZONE I | | | | | | 1,02,07,472.00 |
| | | Item No.1 | | | | |
| | | Designing (aesthetically), and constructing RCC ground service reservoirs / RCC sumps in M-300 mix. of required capacity including excavation in all types of strata, foundation concrete, container walls, bottom slab top RCC roof slab / or dome, 20 mm thick cement plaster with water proofing compound in CM 1:3 proportion. to inside face of the container,including epoxy paint from inside including refilling and disposing of surplus stuff within lead of 50 M, all labour and material charges, for laying and jointing of pipe assembly for inlet, outlet washout, over flow and bye-pass arrangement consisting of D.I./ M.S. D/F. pipes, specials and valves of given diameters, providing and fixing accessories such as M.S. ladder outside, Stainless Steel Ladder in container, C.I. Manhole frame and cover, water top slab, B.B. masonry chamber for all valves, ventilating shafts, including giving satisfactory hydraulic test and water tightness test as per IS code and providing three coat of Acrylic emulsion with silicon additives paint to all expose surface of structure including roof surface etc. complete as per design data, criteria, obligatory requirements and detailed specifications. Antitermite treatment shall be given for under ground portion of the structure. | | | | |
| | | Note : 1 The designing shall be in accordance with various relevant I.S. specification (I.S. 456/2000, I.S. 875 - 1987, I.S.3370-1965 or revised.) | | | | |
| | | 2 Only M.S. bars grade I confirming to I.S. 432 part I or high yield strength deformed bars confirming to I.S. 1786 or I.S.1139 shall be used grade II M.S. bars shall not be used. | | | | |
| | | 3 Entire structure shall be in M - 300 only. | | | | |
| | | 4 The scope of pipe assembly work shall be upto 5 metre beyond outside face of the wall, cost of pipes valves and specials is not included in the rate but labour cost for laying and jointing is included. | | | | |
| | | 5 The G.S.R. / Sump above 15 lakh litres capacity shall be in two compartment | | | | |

| SUB-WORK NO.:3 | SEWAGE COLLECTION SUMP/WET WELL- ZONE I | unit | Tender Rate | | COST Rs. | 1,02,07,472.00 |
|---|---|------|----------------|--|----------|-----------------------|
| | | | In figures | In words | | |
| Qty. | Description of item | | | | | Amount (Rs.) |
| | 6 .The job includes designing the structure for uplift pressure and dewatering if required using entire execution and disposal of surplus excavated stuff with in lead of 50 metres as directed by Engineer in-charge. | | | | | |
| | 7. G.S.R. outlets shall be with bell mouth of approved partern in bottom slab and cost of designing bell mouth is included in the rate. Sump well includes cost of suction pit required at bottom. | | | | | |
| | 8. For pipe diameters upto 300 mm only DI pipes and DI specials shall be used. For pipe diameters above 300mm, M.S. pipes and specials minimum 10 mm thick shall be used with proper anticorrosive epoxy treatment from in side and outside. | | | | | |
| | 9. Above rates are applicable for all seismic zones. | | | | | |
| | 10. 75% part rate shall be payable for reinforcement,concrete and plastering items of all types of G.S.R.s. and sumps till satisfactory hydraulic testing for water tightness test is given and till that work shall be treated as incomplete | | | | | |
| | Cost for 1825000 Litres Cap. | | | | | |
| 1 | | Job | 1,02,07,471.45 | INR One Crore Two Lakh Seven Thousand Four Hundred & Seventy One and Paise Forty Five Only | | 1,02,07,471.45 |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: 3 | | | | | | 1,02,07,472.00 |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.:4 SEWAGE PUMP HOUSE ZONE I | | COST Rs. | | 28,49,898.00 |
|--|---|-----------------|------------------|---|
| Qty | Description of Item | Unit | Rate | |
| | | | In figure | In words |
| | Item No. 1 :- | | | |
| | Providing and casting in situ Cement Concrete of trap/ granite / quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer- in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with CM 1:3 of sufficient minimum thickness if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor | | | |
| | In RCC M-200 -All types of Column | | | |
| 9.072 | | Cum | 9,426.31 | INR Nine Thousand Four Hundred & Twenty Six and Paise Thirty One Only |
| | Item No. 2 :- | | | |
| | Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | |
| | In RCC M-200 - -For Beams / Braces / Lintels | | | |
| 20.895 | | Cum | 9,278.26 | INR Nine Thousand Two Hundred & Seventy Eight and Paise Twenty Six Only |
| | Item No. 3 :- | | | |
| | | | | 1,93,869.24 |

| SUB-WORK NO.:4 | | SEWAGE PUMP HOUSE ZONE I | | COST Rs. | | 28,49,898.00 |
|----------------|---|--------------------------|-----------|--|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | | | |
| | In RCC M-200 - Slabs / Landings / Vertical Walls / Waist | | | | | |
| 44.03 | | Cum | 9,949.21 | INR Nine Thousand Nine Hundred & Forty Nine and Paise Twenty One Only | 4,38,073.67 | |
| | Item No. 4 :- | | | | | |
| | Providing and fixing in position steel bar reinforcement of various diameters for RCC piles, caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardiels, 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, etc. complete (including cost of binding wire). (Bd-F-17/306) | | | | | |
| 9.25 | | MT | 86,091.00 | INR Eighty Six Thousand & Ninety One Only | 7,96,341.75 | |
| | Item No. 5 :- | | | | | |
| | Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. | | | | | |
| 55.856 | | CUM | 8,853.20 | INR Eight Thousand Eight Hundred & Fifty Three and Paise Twenty One Only | 4,94,504.34 | |
| | Item No. 6 :- | | | | | |

| SUB-WORK NO.:4 | | SEWAGE PUMP HOUSE ZONE I | | COST Rs. | | 28,49,898.00 |
|----------------|---|--------------------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 277.78 | Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete. | SQM | 325.00 | INR Three Hundred & Twenty Five Only | 90,278.50 | |
| | Item No. 7 :- | | | | | |
| | Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete | | | | | |
| 332.64 | | SQM | 718.35 | INR Seven Hundred & Eighteen and Paise Thirty Five Only | 2,38,951.94 | |
| | Item No. 8 :- | | | | | |
| | Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete. | | | | | |
| 277.78 | | SQM | 68.25 | INR Sixty Eight and Paise Twenty Five Only | 18,958.49 | |
| | Item No. 9 :- | | | | | |

| SUB-WORK NO.: | Qty | SEWAGE PUMP HOUSE ZONE I | Description of Item | Unit | COST Rs. | | Amount (Rs.) |
|---------------|-----|--------------------------|---|------|-----------|--|--------------|
| | | | | | In figure | Rate In words | |
| 4.50 | | | Providing and fixing in position. (as per I.S.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 kg/Rmt. and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695 kg/Rmt. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 g/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. And handle section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc, complete. With colour Anodising with box. | SQM | 5,752.95 | INR Five Thousand Seven Hundred & Fifty Two and Paise Ninety Five Only | 25,888.28 |
| | | | Item No. 10 :- | | | | |
| | | | Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear) | | | | |
| 6.25 | | | | SQM | 5,573.40 | INR Five Thousand Five Hundred & Seventy Three and Paise Forty Only | 34,833.75 |
| | | | Item No. 11 :- | | | | |

| SUB-WORK NO.:4 | | SEWAGE PUMP HOUSE ZONE I | | COST Rs. | | 28,49,898.00 |
|----------------|--|--------------------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 4.50 | Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg/sqm as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete | SQM | 2,201.85 | INR Two Thousand Two Hundred & One and Paise Eighty Five Only | 9,908.33 | |
| | Item No. 12 :- | | | | | |
| 0.72 | Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain / obscured glass panes 5 mm thick and approved type and quality and iron oxidized fixtures and fastening oil paint 2 coats etc. complete | SQM | 3,543.75 | INR Three Thousand Five Hundred & Forty Three and Paise Seventy Five Only | 2,551.50 | |
| | Item No. 13 :- | | | | | |
| 332.64 | Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. | SQM | 109.20 | INR One Hundred & Nine and Paise Twenty Only | 36,324.29 | |
| | Item No. 14 :- | | | | | |
| 277.78 | Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc.complete. | SQM | 50.40 | INR Fifty and Paise Forty Only | 14,000.11 | |
| | Item No. 15 :- | | | | | |
| 205.27 | Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. | SQM | 1,312.30 | INR One Thousand Three Hundred & Twelve and Paise Thirty Only | 2,69,375.82 | |

| SUB-WORK NO.:4 | | SEWAGE PUMP HOUSE ZONE I | | COST Rs. | | 28,49,898.00 |
|---|---|--------------------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Item No. 16 :- | | | | | |
| | Providing structural steel work in rolled stanchions fixed with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connecting to truss members and like as per detailed designs and drawings or as directed by Engineer-in-charge including cutting, fabricating, hoisting, erecting, fixing in position, making riveted / bolted / welded connections and one coat of anticorrosive paint and over it two coats of oil painting, etc. complete. (Bd-C-3/275) | | | | | |
| 0.945 | | MT | 89,820.15 | INR Eighty Nine Thousand Eight Hundred & Twenty and Paise Fifteen Only | 84,880.04 | |
| | Item No. 17 :- | | | | | |
| | Providing and fixing in position copper lightening conductor including copper rod of 20 mm dia as per upper terminal 1.5 M long with a knob at end and with conical spike at top, copper tape conductor 20 x 3 mm size, copper earth plate of 3 mm thick and 0.81 sqm. in area, clamps at 1 M centre to centre including, necessary excavation, laying and fixing the conductor, providing and fixing 40 mm G.I. pipe upto 3 M height from ground and 0.5 M below ground including making all connections, filling earthing pit with charcoal, salt, etc. & refilling & watering, etc. complete as per specifications laid down in relevant I.S. codes. | | | | | |
| | For tape of 10 M length | | | | | |
| 1.00 | | NO | 15,641.85 | INR Fifteen Thousand Six Hundred & Forty One and Paise Eighty Five Only | 15,641.85 | |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: 4 | | | | | | |
| 28,49,898.00 | | | | | | |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: | Qty. | SEWAGE COLLECTION SUMP/WET WELL- ZONE II | Description of item | unit | Tender Rate | | COST Rs. | 70,13,144.00 |
|---------------|------|--|---|------|-------------|----------|----------|--------------|
| | | | | | In figures | In words | | |
| | | Item No.1 | | | | | | Amount (Rs.) |
| | | | Designing (aesthetically), and constructing RCC ground service reservoirs / RCC sumps in M-300 mix. of required capacity including excavation in all types of strata, foundation concrete, container walls, bottom slab top RCC roof slab / or dome, 20 mm thick cement plaster with water proofing compound in CM 1:3 proportion. to inside face of the container,including epoxy paint from inside including refilling and disposing of surplus stuff within lead of 50 M, all labour and material charges, for laying and jointing of pipe assembly for inlet, outlet washout, over flow and bye-pass arrangement consisting of D.I./ M.S. D/F. pipes, specials and valves of given diameters, providing and fixing accessories such as M.S. ladder outside, Stainless Steel Ladder in container, C.I. Manhole frame and cover, water top slab, B.B. masonry chamber for all valves, ventilating shafts, including giving satisfactory hydraulic test and water tightness test as per IS code and providing three coat of Acrylic emulsion with silicon additives paint to all expose surface of structure including roof surface etc. complete as per design data, criteria, obligatory requirements and detailed specifications. Antitermite treatment shall be given for under ground portion of the structure. | | | | | |
| | | | Note : 1 The designing shall be in accordance with various relevant I.S. specification (I.S. 456/2000, I.S. 875 - 1987, I.S.3370-1965 or revised.) | | | | | |
| | | | 2 Only M.S. bars grade I confirming to I.S. 432 part I or high yield strength deformed bars confirming to I.S. 1786 or I.S.1139 shall be used grade II M.S. bars shall not be used. | | | | | |
| | | | 3 Entire structure shall be in M - 300 only. | | | | | |
| | | | 4 The scope of pipe assembly work shall be upto 5 metre beyond outside face of the wall, cost of pipes valves and specials is not included in the rate but labour cost for laying and jointing is included. | | | | | |

| SUB-WORK NO.: | SEWAGE COLLECTION SUMP/WET WELL- ZONE II | Description of item | unit | Tender Rate | | COST Rs. | 70,13,144.00 |
|---|--|---|------|--------------|---|----------|---------------------|
| | | | | In figures | In words | | |
| Qty. | | | | | | | Amount (Rs.) |
| | 5 | The G.S.R. / Sump above 15 lakh litres capacity shall be in two compartment | | | | | |
| | 6 | The job includes designing the structure for uplift pressure and dewatering if required using entire execution and disposal of surplus excavated stuff with in lead of 50 metres as directed by Engineer in-charge. | | | | | |
| | 7 | G.S.R. outlets shall be with bell mouth of approved partern in bottom slab and cost of designing bell mouth is included in the rate. Sump well includes cost of suction pit required at bottom. | | | | | |
| | 8 | For pipe diameters upto 300 mm only DI pipes and DI specials shall be used. For pipe diameters above 300mm, M.S. pipes and specials minimum 10 mm thick shall be used with proper anticorrosive epoxy treatment from in side and outside. | | | | | |
| | 9 | Above rates are applicable for all seismic zones. | | | | | |
| | 10 | 75% part rate shall be payable for reinforcement,concrete and plastering items of all types of G.S.R.s. and sumps till satisfactory hydraulic testing for water tightness test is given and till that work shall be treated as incomplete | | | | | |
| | | Cost for 1010000 Litres Cap. | | | | | |
| 1 | | | Job | 70,13,143.15 | INR Seventy Lakh Thirteen Thousand One Hundred & Forty Three and Paise Fifteen Only | | 70,13,143.15 |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: | | | | 5 | | | 70,13,144.00 |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.:6 | SEWAGE PUMP HOUSE ZONE II | Description of Item | Unit | Rate | | COST Rs. | Amount (Rs.) |
|----------------|---------------------------|---|------|-----------|---|----------|--------------|
| | | | | In figure | In words | | |
| | | Item No. 1 :- Providing and casting in situ Cement Concrete of trap/ granite / quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer- in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with CM 1:3 of sufficient minimum thickness if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | | | |
| | | In RCC M-200 -All types of Column | | | | | |
| 9.072 | | | Cum | 9,426.31 | INR Nine Thousand Four Hundred & Twenty Six and Paise Thirty One Only | | 85,515.48 |
| | | Item No. 2 :- Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | | | |
| | | In RCC M-200 - -For Beams / Braces / Lintels | | | | | |
| 23.625 | | | Cum | 9,278.26 | INR Nine Thousand Two Hundred & Seventy Eight and Paise Twenty Six Only | | 2,19,198.89 |
| | | Item No. 3 :- | | | | | |

| SUB-WORK NO.:6 | | SEWAGE PUMP HOUSE ZONE II | | COST Rs. | | 35,24,821.00 |
|----------------|---|---------------------------|-----------|--|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | | | |
| | In RCC M-200 - Slabs / Landings / Vertical Walls / Waist | | | | | |
| 63.704 | | Cum | 9,949.21 | INR Nine Thousand Nine Hundred & Forty Nine and Paise Twenty One Only | 6,33,804.47 | |
| | Item No. 4 :- | | | | | |
| | Providing and fixing in position steel bar reinforcement of various diameters for RCC piles, caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardiies, 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, etc. complete (including cost of binding wire). (Bd-F-17/306) | | | | | |
| 12.05 | | MT | 86,091.00 | INR Eighty Six Thousand & Ninety One Only | 10,37,396.55 | |
| | Item No. 5 :- | | | | | |
| | Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. | | | | | |
| 62.321 | | CUM | 8,853.20 | INR Eight Thousand Eight Hundred & Fifty Three and Paise Twenty One Only | 5,51,740.28 | |
| | Item No. 6 :- | | | | | |

| SUB-WORK NO.:6 | | SEWAGE PUMP HOUSE ZONE II | | COST Rs. | | 35,24,821.00 |
|----------------|---|---------------------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 308.23 | Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete. | SQM | 325.00 | INR Three Hundred & Twenty Five Only | 1,00,174.75 | |
| | Item No. 7 :- | | | | | |
| | Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete | | | | | |
| 367.655 | | SQM | 718.35 | INR Seven Hundred & Eighteen and Paise Thirty Five Only | 2,64,104.97 | |
| | Item No. 8 :- | | | | | |
| | Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete. | | | | | |
| 308.23 | | SQM | 68.25 | INR Sixty Eight and Paise Twenty Five Only | 21,036.70 | |
| | Item No. 9 :- | | | | | |

| SUB-WORK NO.:6 | | SEWAGE PUMP HOUSE ZONE II | | COST Rs. | | 35,24,821.00 |
|----------------|---|---------------------------|-----------|--|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Providing and fixing in position. (as per I.S.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 kg/Rmt. and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695 kg/Rmt. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 g/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. And handle section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc, complete. With colour Anodising with box. | | | | | |
| 4.50 | | SQM | 5,752.95 | INR Five Thousand Seven Hundred & Fifty Two and Paise Ninety Five Only | 25,888.28 | |
| | Item No. 10 :- | | | | | |
| | Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear) | | | | | |
| 6.25 | | SQM | 5,573.40 | INR Five Thousand Five Hundred & Seventy Three and Paise Forty Only | 34,833.75 | |
| | Item No. 11 :- | | | | | |

| SUB-WORK NO.:6 | | SEWAGE PUMP HOUSE ZONE II | | COST Rs. | | 35,24,821.00 |
|----------------|--|---------------------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 4.50 | Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg/sqm as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete | SQM | 2,201.85 | INR Two Thousand Two Hundred & One and Paise Eighty Five Only | 9,908.33 | |
| | Item No. 12 :- | | | | | |
| 0.72 | Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain / obscured glass panes 5 mm thick and approved type and quality and iron oxidized fixtures and fastening oil paint 2 coats etc. complete | SQM | 3,543.75 | INR Three Thousand Five Hundred & Forty Three and Paise Seventy Five Only | 2,551.50 | |
| | Item No. 13 :- | | | | | |
| 367.655 | Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. | SQM | 109.20 | INR One Hundred & Nine and Paise Twenty Only | 40,147.93 | |
| | Item No. 14 :- | | | | | |
| 308.23 | Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc.complete. | SQM | 50.40 | INR Fifty and Paise Forty Only | 15,534.79 | |
| | Item No. 15 :- | | | | | |
| | Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. | | | | | |

| SUB-WORK NO.:6 | | SEWAGE PUMP HOUSE ZONE II | | COST Rs. | | 35,24,821.00 |
|--|--|---------------------------|-----------|---|---------------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 276.66 | | SQM | 1,312.30 | INR One Thousand Three Hundred & Twelve and Paise Thirty Only | 3,63,060.92 | |
| | Item No. 16 :- | | | | | |
| | Providing structural steel work in rolled stanchions fixed with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connecting to truss members and like as per detailed designs and drawings or as directed by Engineer-in-charge including cutting, fabricating, hoisting, erecting, fixing in position, making riveted / bolted / welded connections and one coat of anticorrosive paint and over it two coats of oil painting, etc. complete. (Bd-C-3/275) | | | | | |
| 1.161 | | MT | 89,820.15 | INR Eighty Nine Thousand Eight Hundred & Twenty and Paise Fifteen Only | 1,04,281.19 | |
| | Item No. 17 :- | | | | | |
| | Providing and fixing in position copper lightning conductor including copper rod of 20 mm dia as per upper terminal 1.5 M long with a knob at end and with conical spike at top, copper tape conductor 20 x 3 mm size, copper earth plate of 3 mm thick and 0.81 sqm. in area, clamps at 1 M centre to centre including, necessary excavation, laying and fixing the conductor, providing and fixing 40 mm G.I. pipe upto 3 M height from ground and 0.5 M below ground including making all connections, filling earthing pit with charcoal, salt, etc. & refilling & watering, etc. complete as per specifications laid down in relevant I.S. codes. | | | | | |
| | For tape of 10 M length | | | | | |
| 1.00 | | NO | 15,641.85 | INR Fifteen Thousand Six Hundred & Forty One and Paise Eighty Five Only | 15,641.85 | |
| TOTAL COST OF SUBWORK NO. SUB-WORK NO.: 6 | | | | | 35,24,821.00 | |

| SUB-WORK NO.: | Qty | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | Description of Item | Unit | COST Rs. | | 5,95,76,444.02 |
|---------------|---------|--|--|------------|------------------|---|-----------------------|
| | | | | | In figure | Rate In words | |
| | | | Item No. 3 :- | | | | |
| | | | 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, Trans-portation 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. | | | | |
| | 3470.00 | | D.I. K-9 - 600 mm | RMT | 11,896.00 | INR Eleven Thousand Eight | 4,12,79,120.00 |
| | | | Item No. 4 :- | | | | |
| | | | Lowering laying and jointing with SBR rubber 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. Note : Only SBR Rubber gaskets to be used as per IS-5382 and IS-12820. | | | | |
| | | | C.I. 'L.A.' Class / Mortar inlined D.I.K-9/ K-7 -600 mm without Rubber Rings | | | | |
| | 3470.00 | | | RMT | 529.20 | INR Five Hundred & Twenty Nine | 18,36,324.00 |
| | | | Item No. 5 :- | | | | |
| | | | Hydraulic testing of C.I./D.I. 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 using water supplied by the contractor. | | | | |
| | | | C.I. 'L.A.' Class / Mortar inlined D.I.K-9/ K-7 -600 mm without Rubber Rings | | | | |

| SUB-WORK NO.: | Qty | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | Description of Item | Unit | COST Rs. | | Amount (Rs.) |
|---------------|-----|--|---|------|-----------|--------------------------------|--------------|
| | | | | | In figure | Rate In words | |
| 3.47 | | | | Km | 58,889.25 | INR Fifty Eight Thousand Eight | 2,04,345.70 |
| | | | Item No. 6 :- | | | | |
| | | | 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 otherwise protected from rusting and suitable for D.I.pipes including cost of labour, materials, and transportation to stores, loading and unloading excluding GST levied by GOI & GOM in all respect etc. complete as per IS-9523. For all types of specials, bends tees etc. | | | | |
| 6607.00 | | | 350 mm & above dia. | Kg | 186.00 | INR One Hundred & Eighty Six | 12,28,902.00 |
| | | | Item No. 7 :- | | | | |
| | | | Providing and supplying at site ductile iron / Spheroidal Graphite (S.G.) iron single / Double chamber tamper proof air valve without isolating sluice valve. Valves in accordance with BSEN 1074-4 of PN 10/16 rated, with body and bonnet of ductile iron conforming to EN 1563/IS 1865 Gr. 500/7 or Gr.400/15 floats, float guide, seat ring of stainless steel 1.4436/1.4306, seat ring gasket of WRAS approved EPDM rubber (suitable for drinking water), internal fasteners of stainless steel A2. Body & Bonnet coated inside & outside with electrostatically applied epoxy powder coated blue colour (suitable for drinking water) as per DIN 30677-2 & GSK guidelines with a coating thickness of min. 250 microns. Flange connections as per IS 1538 raised face & pressure testing at manufactures works shall be done as per IS 14845. including transportation charges excluding GST levied by GOI & GOM in all respect etc. complete. (For PN 10 & 16) | | | | |
| | | | Kinetic Air Valve Flanged Type - PN -1- 100 MM | | | | |
| 7.00 | | | | NO | 21,904.00 | INR Twenty One Thousand Nine | 1,53,328.00 |
| | | | Item No. 8 :- | | | | |

| SUB-WORK NO.: | Qty | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | Description of Item | Unit | Rate | | COST Rs. | 5,95,76,444.02 |
|---------------|------|--|---|------|-----------|-------------------------------|----------|----------------|
| | | | | | In figure | In words | | |
| | | | Lowering, laying and fixing in proper alignment and position all types of C.I. air valves as directed by Engineer-in-charge including cost of conveyance from stores to site of work, cost of all material and giving satisfactory hydraulic testing, etc. complete. (for all class of valves). | | | | | |
| | 7.00 | | Kinetic Air Valve (PN-1 and PN - 1.6)- 100 MM | NO | 592.20 | INR Five Hundred & Ninety Two | | 4,145.40 |
| | | | Item No. 9 :- | | | | | |
| | | | Providing and fixing in position air valve shaft including providing and fixing GI Medium Class or 6 mm thick M.S. pipe shaft 2.70 M long over branch flange of air valve tee, providing PCC block of M-150 concrete, 150 mm thick around the air valve tee including encasing of vertical shaft in PCC M-150 as shown in type design together with providing and making flanged joints wherever required and fixing of air valve tee, etc. complete as per type design and as directed by Engineer -in- charge for following diameters of pipe lines (type design attached.) | | | | | |
| | | | Foundation on Murum and Harder Strata-upto 450-900 MM | | | | | |
| | 7.00 | | | NO | 16,048.20 | INR Sixteen Thousand & Forty | | 1,12,337.40 |
| | | | Item No. 10 :- | | | | | |

| SUB-WORK NO.: | Qty | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | Description of Item | Unit | Rate | | COST Rs. | Amount (Rs.) |
|---------------|------|--|--|------|-------------|--------------------------------|----------|--------------|
| | | | | | In figure | In words | | |
| | | | Providing and supplying at site of ductile iron / spheroidal graphite (S.G.) iron D/F non-rising spindle resili-tent seated glandless sluice valves with handwheel &without bypass arrangement. Valves in accordance with BS 5163 of PN-10/ 16 rated, with body and bonnet of ductile iron confirming to IS 1865 Gr. 500/7 or Gr.400/15. Wedge fully encapsulated WRAS approved EPDM rubber (approved for drinking water), Wedge nut of brass,shaft of stainless steel 1.4021/1.4104, stem seals min. 3 nos. of NBR, internal fasteners of stainless steel A2. Body& Bonnet coated inside & outside with electrostatically applied epoxy powder coated blue colour (suitable for drinking water) as per DIN 30677-2 & GSK guidelines with a coating thickness of min. 250 microns. Valves should be full bore & tight shut-off. Flange drilling as per IS 1538 raised face & pressure testing at manufactures works shall be done as per IS 14846. including transportation charges excluding GST levied by GOI & GOM in all respect etc. complete. (For PN 10 & 16) | | | | | |
| 1.00 | | | Sluice valves -600 MM | NO | 4,37,862.00 | INR Four Lakh Thirty Seven | | 4,37,862.00 |
| 1.00 | | | Sluice valves -300 MM | NO | 63,505.00 | INR Sixty Three Thousand Five | | 63,505.00 |
| | | | Item No. 11 :- | | | | | |
| | | | 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.) | | | | | |
| | 1.00 | | 600 MM | NO | 11,476.50 | INR Eleven Thousand Four | | 11,476.50 |
| | 1.00 | | 300 MM | NO | 5,902.05 | INR Five Thousand Nine Hundred | | 5,902.05 |
| | | | Item No. 12 :- | | | | | |
| | | | Filling in plinth and floors murum bedding in trenches with approved murum from excavated materials from foundation in 15 cm to 20 cm layers including watering and compaction, etc. complete. | | | | | |
| 281.07 | | | | Cum | 96.60 | INR Ninety Six and Paise Sixty | | 27,151.36 |
| | | | Item No. 13 :- | | | | | |

| SUB-WORK NO.: | Qty | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | Description of Item | Unit | Rate | | COST Rs. | Amount (Rs.) |
|---------------|-----|--|--|------|-----------|--------------------------------|-------------|--------------|
| | | | | | In figure | In words | | |
| 281.07 | | | Filling in plinth and floors / trenches with contractor's murum for bedding in 15 cm to 20 cm layers including watering and compaction, etc. complete. (Bd-A-11/263) | Cum | 957.60 | INR Nine Hundred & Fifty Seven | 2,69,152.63 | |
| | | | Item No. 14 :- Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum) | | | | | |
| 62.46 | | | In PCC M-150 | Cum | 6,353.00 | INR Six Thousand Three Hundred | 3,96,808.38 | |
| | | | Item No. 15 :- Providing and laying in situ Cement Concrete of trap/ granite / quartzite / gneiss metal for RCC work in foundation like raft, grillage, strip foundation and footing of RCC columns and steel stanchions including normal dewatering, form work, compaction, finishing and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | | | |
| 111.11 | | | In RCC M-200 | Cum | 7,854.50 | INR Seven Thousand Eight | 8,72,716.64 | |
| | | | Item No. 16 :- Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. | | | | | |
| 5619.32 | | | Item No. 17 :- Utility Shifting Repairing the damaged water supply pipe line of HSC, Electrical/ Telephone/ Other cable including cost of G.I. Pipe and cables with all connection material, labours etc. complete. | Cum | 96.60 | INR Ninety Six and Paise Sixty | 5,42,826.12 | |
| 1.74 | | | | Km | 31524.00 | INR Thirty One Thousand Five | 54,694.14 | |

| SUB-WORK NO.: | Qty | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | Description of Item | Unit | Rate | | COST Rs. | 5,95,76,444.02 |
|---------------|---------|--|---|------|-----------|--------------------------------|----------|----------------|
| | | | | | In figure | In words | | |
| | | | Item No. 18 :- Removing and transporting the excavated surplus material of all categories and disposing of the same as directed, including loading, conveying, spreading or stacking beyond the initial lead of 5 Km as directed etc. complete | | | | | |
| | | | 5 Km | | | | | |
| | 1948.75 | | | Cum | 434.72 | INR Four Hundred & Thirty Four | | 8,47,163.42 |
| | | | Item No. 19 :- Providing and fixing in position M.S. air valve boxes fabricated with 2 mm thick M.S. plate, 30 x 30 x 3 mm size M.S. angle frame, concreting in M-150 for fixing the box in position, applying two coats of oil paint, painting chainage, locking arrangement, etc. complete as directed by Engineer-in-charge. | | | | | |
| | | | For double ball air valve | | | | | |
| | 7.00 | | | No. | 3,942.75 | INR Three Thousand Nine | | 27,599.25 |
| | | | Item No. 20 :- Valve Chamber with Precast RCC Covers 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 RCC frame and cover, etc. complete as directed by Engineer-in-charge. | | | | | |
| | | | As above of 1.5 x 1.5 M internal size and depth upto 1.5 M with precast R.C.C slab cover | | | | | |
| | 2.00 | | | No. | 33,165.30 | INR Thirty Three Thousand One | | 66,330.60 |
| | | | Item No. 21 :- Reinstating of road surface after laying of sewer pipe to its original condition and level .specification of work as per PWD | | | | | |
| | 2200.00 | | | Sqm | 1,701.05 | INR One Thousand Seven | | 37,42,310.00 |
| | | | Item No. 21 :- | | | | | |

| SUB-WORK NO.: | Qty | SEWAGE PUMPING MAIN (Zone I - 600 mm Dia. , L- 3470 M) | Description of Item | Unit | Rate | | COST Rs. | 5,95,76,444.02 | |
|--|-------|--|---|------|-----------|---------------------------|----------|-----------------------|--|
| | | | | | In figure | In words | | | |
| | | | Providing and fixing in position steel bar reinforcement of various diameters for RCC piles, caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardies, 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, etc. complete (including cost of binding wire). (Bd-F 17/306) | | | | | | |
| | 11.11 | | Tor Steel | MT | 90,395.55 | INR Ninety Thousand Three | | 10,04,388.57 | |
| TOTAL COST OF SUBWORK NO. SUB-WORK NO.: | | | | | | | 7 | 5,95,76,444.02 | |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.:8 | Qty | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | Unit | Rate | | COST Rs. | Amount (Rs.) |
|----------------|-----|--|------------|-----------------|---|----------|---------------------|
| | | | | In figure | In words | | |
| | | Item No. 1 :- Excavation for Foundation/ pipe trenches for works of Transmission mains, for all types of pipe materials in all types of Soil , earthy or sandy materials, soil of all type of sand, clay mud, Soft Murum ,soft average or hard murum, Boulders, all type of disintegrated rock ,shingles, brick bats ,isolated boulders of any size, all type of rock including soft ,hard and manjara rock by permissible and suitable methods such as Controlled blasting, chiselling, wedging, line drilling and or by use of mechanical means including excavation in all type of road surfaces such as WBM, Asphalt, concrete road, including trimming the surface by chiselling whenever required including removing the roots of trees met with during excavation levelling the bed and keeping it clean and dry by dewatering and making ready for lowering, laying of pipe, manual dewatering, excluding backfilling including removing the excavated stuff up to a distance of 50 m beyond the work site and stacking the same as directed by Engineer in charge | | | | | |
| | | Lift 0 to 1.5 M | | | | | |
| 4260.75 | | | Cum | 812.46 | INR Eight Hundred & Twelve and Paise Forty Six Only | | 34,61,688.95 |
| | | Item No. 2 :- Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling, by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer in-charge, normal dewatering, excluding backfilling, etc. complete by all means. | | | | | |
| | | Lift 1.50 to 3.0 M | | | | | |
| 994.18 | | | Cum | 1,261.70 | INR One Thousand Two Hundred & Sixty One and Paise Seventy Only | | 12,54,350.60 |
| | | Item No. 3 :- | | | | | |

| SUB-WORK NO.:8 | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | | COST Rs. | 4,95,18,561.52 | |
|----------------|---|---------------------|-----------|--|----------------|
| | Qty | Description of Item | | | Unit |
| 2185.00 | <p>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 GOJ & 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, Trans-portion 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. (IS:8329-2000 Latest Version)</p> <p>D.I. K-9 - 700 mm</p> | RMT | 15,337.00 | INR Fifteen Thousand Three Hundred & Thirty Seven Only | 3,35,11,345.00 |
| | Item No. 4 :- | | | | |
| | <p>Lowering laying and jointing with SBR rubber 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.</p> <p>Note : Only SBR Rubber gaskets to be used as per IS-5382 and IS-12820.</p> | | | | |
| 2185.00 | C.I. 'L.A.' Class / Mortar inlined D.I.K-9/ K-7 -700 mm without Rubber Rings | RMT | 745.50 | INR Seven Hundred & Forty Five and Paise Fifty Only | 16,28,917.50 |
| | Item No. 5 :- | | | | |
| | <p>Hydraulic testing of C.I./D.I. 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 using water supplied by the contractor.</p> | | | | |
| | C.I. 'L.A.' Class / Mortar inlined D.I.K-9/ K-7 -700 mm without Rubber Rings | | | | |

| SUB-WORK NO.:8 | | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | | COST Rs. | | 4,95,18,561.52 | |
|----------------|--|---|-----------|---|--------------|----------------|--|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | | |
| | | | In figure | In words | | | |
| 2.19 | | Km | 82,772.55 | INR Eighty Two Thousand Seven Hundred & Seventy Two and Paise Fifty Five Only | 1,80,858.02 | | |
| | Item No. 6 :- | | | | | | |
| | 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 otherwise protected from rusting and suitable for D.I.pipes including cost of labour, materials, and transportation to stores, loading and unloading excluding GST levied by GOI & GOM in all respect etc. complete as per IS-9523. For all types of specials, bends tees etc. | | | | | | |
| | 350 mm & above dia. | | | | | | |
| 7645.00 | | Kg | 186.00 | INR One Hundred & Eighty Six Only | 14,21,970.00 | | |
| | Item No. 7 :- | | | | | | |
| | Providing and supplying at site ductile iron / Spheroidal Graphite (S.G.) iron single / Double chamber tamper proof air valve without isolating sluice valve. Valves in accordance with BSEN 1074-4 of PN 10/16 rated, with body and bonnet of ductile iron conforming to EN 1563/IS 1865 Gr. 500/7 or Gr.400/15 floats, float guide, seat ring of stainless steel 1.4436/1.4306, seat ring gasket of WRAS approved EPDM rubber (suitable for drinking water), internal fasteners of stainless steel A2. Body & Bonnet coated inside & outside with electrostatically applied epoxy powder coated blue colour (suitable for drinking water) as per DIN 30677-2 & GSK guidelines with a coating thickness of min. 250 microns. Flange connections as per IS 1538 raised face & pressure testing at manufactures works shall be done as per IS 14845. including transportation charges excluding GST levied by GOI & GOM in all respect etc. complete.(For PN 10 & 16) | | | | | | |
| | Kinetic Air Valve Flanged Type - PN -1- 150 MM | | | | | | |
| 4.00 | | NO | 30,465.00 | INR Thirty Thousand Four Hundred & Sixty Five Only | 1,21,860.00 | | |
| | Item No. 8 :- | | | | | | |

| SUB-WORK NO.:8 | | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | | COST Rs. | | 4,95,18,561.52 |
|----------------|---|---|-----------|---|--------------|----------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Lowering, laying and fixing in proper alignment and position all types of C.I. air valves as directed by Engineer-in-charge including cost of conveyance from stores to site of work, cost of all material and giving satisfactory hydraulic testing, etc. complete. (for all class of valves). | | | | | |
| | Kinetic Air Valve (PN-1 and PN - 1.6)- 150 MM | | | | | |
| 4.00 | | NO | 927.15 | INR Nine Hundred & Twenty Seven and Paise Fifteen Only | | 3,708.60 |
| | Item No. 9 :- | | | | | |
| | Providing and fixing in position air valve shaft including providing and fixing GI Medium Class or 6 mm thick M.S. pipe shaft 2.70 M long over branch flange of air valve tee, providing PCC block of M-150 concrete, 150 mm thick around the air valve tee including encasing of vertical shaft in PCC M-150 as shown in type design together with providing and making flanged joints wherever required and fixing of air valve tee, etc. complete as per type design and as directed by Engineer -in- charge for following diameters of pipe lines (type design attached.) | | | | | |
| | Foundation on Murum and Harder Strata-upto 450-900 MM | | | | | |
| 4.00 | | NO | 16,048.20 | INR Sixteen Thousand &Forty Eight and Paise Twenty Only | | 64,192.80 |
| | Item No. 10 :- | | | | | |

| SUB-WORK NO.:8 | | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | | COST Rs. | | 4,95,18,561.52 |
|----------------|---|---|-------------|---|--------------|----------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Providing and supplying at site of ductile iron / spheroidal graphite (S.G.) iron D/F non-rising spindle resilient seated glandless sluice valves with handwheel & without bypass arrangement. Valves in accordance with BS 5163 of PN-10/ 16 rated, with body and bonnet of ductile iron conforming to IS 1865 Gr. 500/7 or Gr.400/15. Wedge fully encapsulated WRAS approved EPDM rubber (approved for drinking water), Wedge nut of brass, shaft of stainless steel 1.4021/1.4104, stem seals min. 3 nos. of NBR, internal fasteners of stainless steel A2. Body & Bonnet coated inside & outside with electrostatically applied epoxy powder coated blue colour (suitable for drinking water) as per DIN 30677-2 & GSK guidelines with a coating thickness of min. 250 microns. Valves should be full bore & tight shut-off. Flange drilling as per IS 1538 raised face & pressure testing at manufactures works shall be done as per IS 14846. including transportation charges excluding GST levied by GOI & GOM in all respect etc. complete. (For PN 10 & 16) | | | | | |
| 1.00 | Sluice valves -700 MM | NO | 4,37,862.00 | INR Four Lakh Thirty Seven Thousand Eight Hundred & Sixty Two Only | 4,37,862.00 | |
| 1.00 | Sluice valves -300 MM | NO | 63,505.00 | INR Sixty Three Thousand Five Hundred & Five Only | 63,505.00 | |
| | Item No. 11 :- | | | | | |
| | 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.) | | | | | |
| 1.00 | 700 MM | NO | 12,374.25 | INR Twelve Thousand Three Hundred & Seventy Four and Paise Twenty Five Only | 12,374.25 | |
| 1.00 | 300 MM | NO | 5,902.05 | INR Five Thousand Nine Hundred & Two and Paise Five Only | 5,902.05 | |
| | Item No. 12 :- | | | | | |

| SUB-WORK NO.:8 | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | | | COST Rs. | | 4,95,18,561.52 |
|----------------|--|---------------------|----------|--|----------|----------------|
| | Qty | Description of Item | Unit | In figure | In words | |
| 191.73 | Filling in plinth and floors murum bedding in trenches with approved murum from excavated materials from foundation in 15 cm to 20 cm layers including watering and compaction, etc. complete. (Bd-A-10/263) | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | | 18,521.48 |
| | Item No. 13 :- | | | | | |
| 191.73 | Filling in plinth and floors / trenches with contractor's murum for bedding in 15 cm to 20 cm layers including watering and compaction, etc. complete. (Bd-A-11/263) | Cum | 957.60 | INR Nine Hundred & Fifty Seven and Paise Sixty Only | | 1,83,604.24 |
| | Item No. 14 :- | | | | | |
| | Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum) | | | | | |
| | In PCC M-150 | | | | | |
| 42.61 | | Cum | 6,353.00 | INR Six Thousand Three Hundred & Fifty Three Only | | 2,70,685.45 |
| | Item No. 15 :- | | | | | |
| | Providing and laying in situ Cement Concrete of trap/ granite / quartzite / gneiss metal for RCC work in foundation like raft, grillage, strip foundation and footing of RCC columns and steel stanchions including normal dewatering, form work, compaction, finishing and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement | | | | | |
| | In RCC M-200 | | | | | |
| 117.48 | | Cum | 7,854.50 | INR Seven Thousand Eight Hundred & Fifty Four and Paise Fifty Only | | 9,22,758.44 |
| | Item No. 16 :- | | | | | |
| 3945.78 | Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | | 3,81,162.57 |

| SUB-WORK NO.:8 | SEWAGE PUMPING MAIN (Zone II - 700 mm Dia. , L- 2185 M) | | | COST Rs. | 4,95,18,561.52 | |
|----------------|---|--|------|----------|---|-------------|
| | Qty | Description of Item | Unit | | | In figure |
| | | Item No. 17 :- Utility Shifting | | | | |
| | | Repairing the damaged water supply pipe line of HSC, Electrical/ Telephone/ Other cable including cost of G.I. Pipe and cables with all connection material, labours etc. complete. | | | | |
| 1.09 | | | Km | 31524.00 | INR Thirty One Thousand Five Hundred & Twenty Four Only | 34,439.97 |
| | | Item No. 18 :- | | | | |
| | | Removing and transporting the excavated surplus material of all categories and disposing of the same as directed, including loading, conveying, spreading or stacking beyond the initial lead of 5 Km as directed etc. complete | | | | |
| | | 5 Km | | | | |
| 1500.88 | | | Cum | 434.72 | INR Four Hundred & Thirty Four and Paise Seventy Two Only | 6,52,462.53 |
| | | Item No. 19 :- | | | | |
| | | Providing and fixing in position M.S. air valve boxes fabricated with 2 mm thick M.S. plate, 30 x 30 x 3 mm size M.S. angle frame, concreting in M-150 for fixing the box in position, applying two coats of oil paint, painting chainage, locking arrangement, etc. complete as directed by Engineer-in-charge. | | | | |
| | | For double ball air valve | | | | |
| 4.00 | | | No. | 3,942.75 | INR Three Thousand Nine Hundred & Forty Two and Paise Seventy Five Only | 15,771.00 |
| | | Item No. 20 :- | | | | |
| | | Valve Chamber with Precast RCC Covers 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 RCC frame and cover, etc. complete as directed by Engineer-in-charge. | | | | |
| | | As above of 1.5 x 1.5 M internal size and depth upto 1.5 M with precast R.C.C slab cover | | | | |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.:9 | Qty | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | Description of Item | Unit | Rate | | COST Rs. | ##### |
|-------------------------|-----|---|--|------|-----------|----------|----------|-------|
| | | | | | In figure | In words | | |
| Amount (Rs.) | | | | | | | | |
| | | | <u>Item No. 1 :-</u> Designing, providing, constructing, hydraulic testing, commissioning and giving satisfactory trials of STP based on SBR technology with SCADA & Automation and consisting of Inlet Chamber, Screen Chamber, Detritus tanks, Distribution Chamber and Biological CASP Basins, Sludge Sump, Chlorine Contact Tank, Chlorinator Room/Shed, Sludge Centrifuge necessary piping work with required valves, gates, drains, pathways Administration Block cum Laboratory, Laboratory Equipments, Tools and Plants, Spare Parts, etc. complete as turnkey job with all involved civil, electrical and mechanical works including HT Substation , Transformer, DG Sets, Metering Cubical Instrumentation works etc. as specification inclusive of following items, units as per detailed specification for civil , electrical and mechanical components | | | | | |
| | | | with all duties and taxes, etc. complete to achieve BOD < 5 ppm, COD < 100 ppm, TSS < 10 ppm, to get recyclable quality of water for industrial / agricultural purposes. (In Case Cyclic activated sludge plant is esigned for N, P outlet parameters shall also include TN < 10 ppm, Nh3N < 2 ppm and TP < 1 ppm) | | | | | |
| UNITS INCLUDED | | | | | | | | |
| 1. Inlet Chamber | | | | | | | | |

| SUB-WORK NO.:9 | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | Description of Item | Unit | COST Rs. | | ##### |
|----------------|--|---|------|-----------|----------|--------------|
| | | | | In figure | In words | |
| Qty | | | | | | Amount (Rs.) |
| | | Designing, providing, and constructing RCC (M:250) inlet chamber for the peak low of 2 DWF including necessary excavation in all types of strata including walkway all around the periphery. Each compartment will have phosphor bronze steel gates with extension rod, head stock, operating wheels. GI pipe railing etc. The work includes providing and making necessary arrangements to connect the flow to screen chamber by approach channel as directed and as per specifications. | | | | |
| | | 2. Screen Chamber | | | | |
| | | Designing, providing, constructing, testing and commissioning of screen chamber, designed for average 1 DWF and maximum peak flow of 2 DWF in RCC (M -250), including inlet pipe / channel from inlet chamber, outlet pipe channel to detritus tank, free board of 0.5 m minimum, RCC walkway 1.2 m wide with GI pipe railing, RCC stair case of 1.2 m width from GL to screen chamber. | | | | |
| | | 3. Detritus Tank | | | | |

| SUB-WORK NO.:9 | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | | COST Rs. | ##### |
|----------------|--|------|---------------------------------|--------------|
| Qty | Description of Item | Unit | Rate In figure In words | Amount (Rs.) |
| | <p>Designing, providing and constructing continuous grit removal type of Detritus Tank, mechanically operated in RCC (M 250) capable of removing 100 % of 0.2 mm size particle and above, having specific gravity 2.30 designed for one peak 2 DWF with suitable arrangement of separation of grit from putrescible solids. Inlet and outlet channels of required sizes as may be required to connect the flow to connecting unit etc. Complete including hydraulic testing for water tightness of structure having minimum FB of 0.3 m, wash out arrangement to Grit chamber and platform 1.2 m wide RCC walkway with GI pipe handling shall be provided. A pit for collecting grit conveyed by conveyor shall be provided. It should be suitable to handle the grit for carting. All arrangements shall be as detailed specifications and as directed.</p> | | | |
| | 4. CASP Basins | | | |

| SUB-WORK NO.:9 | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | | | COST Rs. | ##### |
|----------------|---|------|-----------|--------------|-------|
| Qty | Description of Item | Unit | Rate | Amount (Rs.) | |
| | | | In figure | In words | |
| | <p>Designing, providing and constructing in RCC (M:250), CASP basins for biological removal of BOD along with nitrification, denitrification, Bio-P removal in compartments to handle combine flow of 1 DWF incoming flow and recirculation flow including construction of selector compartments and providing 1.2 m wide clear approach walkways, expansion joints wherever necessary, including foundations etc as per specifications. Peak factor shall be 2, F/M ration shall be 0.15, complete with air blowers, fine diffused aeration grid / equipment and FB 0.5 m and SWD as required. DO level in basin to be minimum 2 mg/l complete with "Oxygen Uptake Rate" control system and all related instruments. Stainless steel decanters and automation works. MLSS concentrations shall be 2000-5500 mg/l or more, MLVSS to MLSS ratio to be 0.8. HRT shall be between 12 to 13 hrs and SRT suitable for fully digested sludge. It should have all other related works as per detailed specification. In Case CASP is designed to achieve N, P removal HRT shall be between 15-18 hrs and SRT shall be suitably provided to achieve N, P removal.</p> | | | | |
| | 5. Chlorine Contact Tank | | | | |
| | <p>Designing providing and constructing chlorine contact chamber of adequate capacity to deal with 1 DWF average flow. The chlorine contact tank should be 30 min capacity, during average flow to achieve 99.99% coliform reduction. Chlorine dose shall be maintained as per standard provisions, including designing, providing and constructing water supply provision for chlorination including providing dewatering and by pass arrangement jointing to final effluent mains and outlet weir, etc complete. The effluent quality should match with the standards laid down by Maharashtra water pollution control board and as per obligatory provision and as detailed specification and as directed by Engineer-in-charge.</p> | | | | |
| | 6. Chlorinator and Chlorinator Room / Tonner Room | | | | |

| SUB-WORK NO.:9 | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | Description of Item | Unit | Rate | | COST Rs. | ##### |
|----------------|---|---|------|-----------|----------|----------|--------------|
| | | | | In figure | In words | | |
| Qty | | | | | | | Amount (Rs.) |
| | | Designing, providing and constructing chlorinators vacuum type 2 Nos. with auto switchover facility and having capacity for dosage of adequate chlorine to ensure 99.99% coliform reduction as per obligatory provisions and detailed specifications with necessary provision of having chlorinator room of adequate size. The chlorinator equipment shall include cost of chlorine cylinders / tonner piping, valves, measuring and controlling equipments, safety devices, lifting equipments, etc. complete as per IS-10553 (part II) 1982. The tonner room should have minimum 3 MTcapacity Hoist for loading and unloading facility. Tonner storage should be distinctly isolated and should be for minimum storage space as directed in the design specification and as per gas laws 1981 and factory act shall be provided. All other matching amenities shall be provided, 5 MT gantry rail shall be provided for full length of tonner room at 6 m height from level of tonner room, with outlet chamber and treated effluent outlet channel etc. complete as per detailed | | | | | |
| | | 7. Sludge Sump | | | | | |
| | | Designing, providing and constructing of sludge sump and pump house of appropriate size with pumps, ceiling height minimum 6 m over sump for discharging sludge to centrifuge using CI pipe, etc. complete as per detailed specification. | | | | | |
| | | 8. Sludge Centrifuge Platform with Centrifuges | | | | | |
| | | Designing, providing, constructing and installing including foundation etc., sludge centrifuge to handle the sludge flow of 1 day in 20 hours per unit with sludge dewatering unit drain etc. complete as per specification. Sludge centrifuges with the necessary arrangement, as per detailed specification mentioned in tender and obligatory provisions to be provided with satisfactory functioning. | | | | | |
| | | 9. Outfall Sewer | | | | | |

| SUB-WORK NO.:9 | | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | | COST Rs. | | ##### |
|----------------|---|--|-----------|----------|--------------|-------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | ##### |
| | | | In figure | In words | | |
| | Designing, providing and constructing appropriate outfall sewer of RCC NP2 pipe, to discharge treated effluent from outlet chamber after chlorination tank to the local Nallah at the point shown on the drawing including necessary chamber for inspection and cleaning including necessary excavation, dewatering, refilling, concrete encasing / bedding concrete steps to reach the nallah bed level, pitching and energy dissipation chamber in nallah portion etc. complete upto 50 m length RCC NP2 pipe line and including all above items. | | | | | |
| | 10. Piping work in C-I-LA Class including Sluice valves, Reflux Valves, MS gates | | | | | |
| | Providing laying and jointing pipes other than those already included in the above items for interconnection by - pass drains etc. of all units including adequate numbers of manhole chambers. The item includes excavations, refilling and hydraulic testing of pipes, valves, gates, accessories and cost of jointing materials. The items includes required channels with gates for interconnection of units, by pass drains etc for all units as directed etc. complete as per detailed specifications. | | | | | |
| | 11. Administrative Building cum Laboratory (G+1) | | | | | |

| SUB-WORK NO.:9 | SEWAGE TREATMENT PLANT - 53 MLD (ZONE- I & II) | Description of Item | Unit | Rate | | COST Rs. ##### |
|--|--|--|------|--------------|--|------------------------|
| | | | | In figure | In words | |
| Qty | | | | | | Amount (Rs.) |
| | | <p>Designing, providing and constructing administrative building, office cum laboratory including stores. This shall be a building having appropriate carpet area and ground floor and at first floor complete as per specifications including necessary excavation, foundation in RCC M 200 framed structure B. B masonry (IInd- class in C.M. 1:6) 20 mm cement plaster in CM 1:3 inside and outside painting. Aluminium door and window with glass panels, mosaic tile flooring and skirting and all other allied items, fixtures fastening electrification arrangement water supply arrangement etc. complete.</p> <p>The building will have laboratory on upper floor of administrative building and should be so centralized that it should not be attached with any unit but should have complete control of every unit as per laboratory equipment, beautification, telephone and intercom arrangement and</p> | | | | |
| | | NOTES | | | | |
| | | These Rates are for Civil Works, in M30 grade RCC. | | | | |
| | | Water Table is considered at 5 m below ground level. | | | | |
| | | Soil bearing capacity considered as 20 T/m ² at 1.5 m below ground level. | | | | |
| | | All civil items, electrical, piping, valves, pumps, motors, blowers, etc. are considered as per MJP Schedule of Rates. | | | | |
| | | 53 MLD Capacity STP | | | | |
| 53.00 | | | MLD | 98,42,841.36 | INR Ninety Eight Lakh Forty Two Thousand Eight Hundred & Forty One and Paise Thirty Six Only | 52,16,70,592.08 |
| TOTAL COST OF SUBWORK NO. SUB-WORK NO.: 9 | | | | | | 52,16,70,593.00 |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: | Qty | APPROACH ROAD | Description of Item | Unit | Rate | | COST Rs. | Amount (Rs.) |
|---------------|-----|---------------|--|----------------|-----------|--|-----------|--------------|
| | | | | | In figure | In words | | |
| | | | Item No. 1 :- Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness. | Sqm | 12.60 | INR Twelve and Paise Sixty Only | 5670.00 | |
| | | | Item No. 2 :- Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed. By Manual Means. | m ³ | 124.95 | INR One Hundred & Twenty Four and Paise Ninety Five Only | 22491.00 | |
| | | | Item No. 3 :- 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) | m ³ | 794.85 | INR Seven Hundred & Ninety Four and Paise Eighty Five Only | 143073.00 | |
| | | | Item No. 4 :- 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 vibratory roller. | m ³ | 95.55 | INR Ninety Five and Paise Fifty Five Only | 17199.00 | |
| | | | Item No. 5 :- | | | | | |

| Qty | Description of Item | Unit | Rate | | Amount (Rs.) |
|--------|---|----------------|-----------|--|--------------|
| | | | In figure | In words | |
| 135.00 | Providing dry trap / granite / quartzite / gneiss, rubble stone soiling in 15cm to 20 cm thick layers (including hand packing and compacting), etc. complete. | m ² | 1381.80 | INR One Thousand Three Hundred & Eighty One and Paise Eighty Only | 186543.00 |
| | Item No. 6 :- Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader / Paver on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401 -- By Mix in Place Method and Grading - I Material | m ³ | 1894.20 | INR One Thousand Eight Hundred & Ninety Four and Paise Twenty Only | 127858.50 |
| 67.50 | Item No. 7 :- Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader/ Paver on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401 -- By Mix in Place Method and Grading -II Material | m ³ | 1894.20 | INR One Thousand Eight Hundred & Ninety Four and Paise Twenty Only | 127858.50 |
| | Item No. 8:- 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. | m ³ | 34.65 | INR Thirty Four and Paise Sixty Five Only | 15592.50 |
| 450.00 | Item No. 9:- DENSE BITUMINOUS MACADAM: Proving 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) | m ² | 10147.20 | INR Ten Thousand One Hundred & Forty Seven and Paise Twenty Only | 228312.00 |
| 22.50 | Item No. 10:- | | | | |

| Qty | Description of Item | Unit | Rate | | Amount (Rs.) |
|--|--|------|-----------|------------------------------------|--------------------|
| | | | In figure | In words | |
| 900.00 | Providing and applying tack coat on the prepared surface heating by fumes in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 2.5 kg/10 sqm.(VG-30 bulk bitumen rates are considered to arrive at rates) | Sqm | 18.90 | INR Eighteen and Paise Ninety Only | 17010.00 |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: 10 | | | | | 8,91,607.50 |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: | STAFF QUARTER | Description of Item | Unit | COST Rs. | | Amount (Rs.) |
|---------------|--|---------------------|------|-----------|--|--------------|
| | | | | In figure | Rate In words | |
| | Item No. 1 :- | | | | | |
| | Excavation for Foundation / pipe trenches in earth, soils of alltypes, sand gravel and soft mrrum,including removing the excavated material up to a distance of 50 metres and lifts as below m stacking and spreading as directed , manual dewatering, preparing the bed for foundation and excluding backfilling etc. complete. (Bd-A-1 /259) | | | | | |
| | Lift 0 to 1.5 M | | | | | |
| 62.21 | | | Cum | 181.50 | INR One Hundred & Eighty One and Paise Fifty Only | 11,290.75 |
| | Item No. 2 :- | | | | | |
| | Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.(Bd-A-4/259) | | | | | |
| | Lift 0 to 1.5 M | | | | | |
| 62.21 | | | Cum | 691.90 | INR Six Hundred & Ninety One and Paise Ninety Only | 43,041.72 |
| | Item No. 3 :- | | | | | |
| | Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum) Spec. No. - Bd E /1 Page No. 287 and B-7, Page No. 38 | | | | | |
| | In PCC M-150 | | | | | |
| 21.19 | | | Cum | 6,353.00 | INR Six Thousand Three Hundred & Fifty Three Only | 1,34,599.74 |

| SUB-WORK NO.:11 | | STAFF QUARTER | | COST Rs. | | 42,41,511.00 |
|-----------------|---|---------------|-----------|--|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Item No. 4 :- Providing and laying in situ Cement Concrete of trap/ granite / quartzite / gneiss metal for RCC work in foundation like raft, grillage, strip foundation and footing of RCC columns and steel stanchions including normal dewatering, form work, compaction, finishing and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | | | |
| | In RCC M-200 | | | | | |
| 46.66 | | Cum | 7,854.50 | INR Seven Thousand Eight Hundred & Fifty Four and Paise Fifty Only | 3,66,459.55 | |
| | Item No. 5 :- Filling in plinth and floors / trenches with contractor's murum for bedding in 15 cm to 20 cm layers including watering and compaction, etc. complete. (Bd-A-11/263) | | | | | |
| | | | | | | |
| 156.43 | | Cum | 957.60 | INR Nine Hundred & Fifty Seven and Paise Sixty Only | 1,49,799.00 | |
| | Item No. 6 :- Providing and casting in situ Cement Concrete of trap/ granite / quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with CM 1:3 of sufficient minimum thickness if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | | | | | |
| | In RCC M-200 -All types of Column | | | | | |
| 14.53 | | Cum | 9,426.35 | INR Nine Thousand Four Hundred & Twenty Six and Paise Thirty Five Only | 1,36,978.06 | |
| | Item No. 7 :- | | | | | |

| SUB-WORK NO.:11 | | STAFF QUARTER | | COST Rs. | | 42,41,511.00 |
|-----------------|---|---------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 29.80 | Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) In RCC M-200 - -For Beams / Braces / Lintels | Cum | 9,278.30 | INR Nine Thousand Two Hundred & Seventy Eight and Paise Thirty Only | 2,76,503.55 | |
| | Item No. 8 :- | | | | | |
| | Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings | | | | | |
| | Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) In RCC M-200 - Chajjas / Parapets / Curtain Walls / Partition Walls / Pardies | | | | | |
| 1.51 | | Cum | 9,907.25 | INR Nine Thousand Nine Hundred & Seven and Paise Twenty Five Only | 14,979.76 | |
| | Item No. 9 :- | | | | | |

| SUB-WORK NO.:11 | | STAFF QUARTER | | COST Rs. | | 42,41,511.00 |
|-----------------|---|---------------|-----------|--|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 40.56 | Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) | Cum | 9,949.25 | INR Nine Thousand Nine Hundred & Forty Nine and Paise Twenty Five Only | 4,03,541.58 | |
| | In RCC M-200 - Slabs / Landings / Vertical Walls / Waist | | | | | |
| | Item No. 10 :- | | | | | |
| | Providing and fixing in position steel bar reinforcement of various diameters for RCC piles, caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, parties, 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, etc. complete (including cost of binding wire). (Bd-F-17/306) | | | | | |
| | Tor Steel | | | | | |
| 16.63 | | MT | 86,091.00 | INR Eighty Six Thousand & Ninety One Only | 14,31,913.94 | |
| | Item No. 11 :- | | | | | |
| | Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. | | | | | |
| 67.77 | | CUM | 8,853.20 | INR Eight Thousand Eight Hundred & Fifty Three and Paise Twenty Only | 5,99,956.58 | |
| | Item No. 12 :- | | | | | |

| SUB-WORK NO.:11 | | STAFF QUARTER | | COST Rs. | | 42,41,511.00 |
|-----------------|---|---------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 381.00 | Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete. | SQM | 325.00 | INR Three Hundred & Twenty Five Only | 1,23,825.00 | |
| | Item No. 13 :- | | | | | |
| | Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete | | | | | |
| 381.00 | | SQM | 718.35 | INR Seven Hundred & Eighteen and Paise Thirty Five Only | 2,73,691.35 | |
| | Item No. 14 :- | | | | | |
| | Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete. | | | | | |
| 381.00 | | SQM | 68.25 | INR Sixty Eight and Paise Twenty Five Only | 26,003.25 | |
| | Item No. 15 :- | | | | | |

| SUB-WORK NO.:11 | | STAFF QUARTER | | COST Rs. | | 42,41,511.00 |
|-----------------|---|---------------|-----------|--|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| | Providing and fixing in position. (as per I.S.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 kg/Rmt. and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695 kg/Rmt. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 g/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. And handle section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc, complete. With colour Anodising with box. | | | | | |
| 11.52 | | SQM | 5,752.95 | INR Five Thousand Seven Hundred & Fifty Two and Paise Ninety Five Only | 66,273.98 | |
| | Item No. 16 :- | | | | | |
| | Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg/sqm as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete | | | | | |
| 14.40 | | SQM | 2,201.85 | INR Two Thousand Two Hundred & One and Paise Eighty Five Only | 31,706.64 | |
| | Item No. 17 :- | | | | | |
| | Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain / obscured glass panes 5 mm thick and approved type and quality and iron oxidized fixtures and fastening oil paint 2 coats etc. complete | | | | | |

| SUB-WORK NO.:11 | | STAFF QUARTER | | COST Rs. | | 42,41,511.00 |
|-----------------|---|---------------|-----------|---|--------------|--------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 2.88 | | SQM | 3,543.75 | INR Three Thousand Five Hundred & Forty Three and Paise Seventy Five Only | 10,206.00 | |
| | Item No. 18 :- Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. | | | | | |
| 381.00 | | SQM | 109.20 | INR One Hundred & Nine and Paise Twenty Only | 41,605.20 | |
| | Item No. 19 :- Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc.complete. | | | | | |
| 381.00 | | SQM | 50.40 | INR Fifty and Paise Forty Only | 19,202.40 | |
| | Item No. 20 :- Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. | | | | | |
| 56.35 | | SQM | 1,315.10 | INR One Thousand Three Hundred & Fifteen and Paise Ten Only | 74,103.25 | |
| | Item No. 21 :- Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. | | | | | |
| 60.35 | | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | 5,829.33 | |

| SUB-WORK NO.:11 | | STAFF QUARTER | | COST Rs. | | 42,41,511.00 |
|--|---------------------|---------------|-----------|----------|--------------|---------------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: 11 | | | | | | 42,41,511.00 |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.: | Qty | COMPOUND WALL | Description of Item | Unit | Rate | | COST Rs. | Amount (Rs.) |
|---------------|---------|----------------------|---|------|-----------|----------|---|--------------|
| | | | | | In figure | In words | | |
| | | Item No. 1 :- | | | | | | |
| | | | Excavation for foundation / pipe trenches in hard murum including removing the excavated material up to a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. | | | | | |
| | 428.652 | | Pits for wall footings | Cum | 196.35 | | INR One Hundred & Ninety Six and Paise Thirty Five Only | 84165.82 |
| | | | i) Lift upto 1.50m. A) By Manual Means | | | | | |
| | | Item No. 2 :- | | | | | | |
| | | | Providing and laying in situ cement concrete M-15 of trap metal for foundation and bedding including bailing out water, formwork, compaction and curing complete. For M-150 Concrete | | | | | |
| | 33.075 | | For wall footings | Cum | 6,442.60 | | INR Six Thousand Four Hundred & Forty Two and Paise Sixty Only | 213089.00 |
| | | Item No. 3 :- | | | | | | |
| | | | Providing & laying in situ Ready mix cement concrete grade of trap / granite/ quartzite / gneiss metal for RCC works in foundation and footing of RCC column and steel stanchions including normal dewatering, form work, compaction finishing and curing including transporting from mixing plant upto distance of 25Km, pouring the concrete at work site for 1.5m lift above G.L. and 5.0m lift below GL etc complete .(Excluding reinforcement) | | | | | |
| | 49.392 | | Column Footings | Cum | 7,951.45 | | INR Seven Thousand Nine Hundred & Fifty One and Paise Forty Five Only | 392738.02 |
| | | Item No. 4 :- | | | | | | |

| SUB-WORK NO.:12 COMPOUND WALL | | COST Rs. | | 52,41,587.21 |
|-------------------------------|--|----------|--------------|---|
| Qty | Description of Item | Unit | Rate | |
| | | | In figure | In words |
| | | | Amount (Rs.) | |
| 20.286 | Providing & laying in situ Ready mix cement concrete grade of trap / granite/ quartzite / gneiss metal for RCC works in foundation and footing of RCC column and steel stanchions including normal dewatering, form work, compaction finishing and curing including transporting from mixing plant upto distance of 25Km, pouring the concrete at work site for 1.5m lift above G.L. and 5.0m lift below GL etc complete .(Excluding reinforcement) | Cum | 9,523.30 | INR Nine Thousand Five Hundred & Twenty Three and Paise Thirty Only |
| | | | | 193189.66 |
| | Item No. 5 :- | | | |
| | Providing & laying in situ Ready mix cement concrete grade of trap / granite/ quartzite / gneiss metal for RCC works in foundation and footing of RCC column and steel stanchions including normal dewatering, form work, compaction finishing and curing including transporting from mixing plant upto distance of 25Km, pouring the concrete at work site for 1.5m lift above G.L. and 5.0m lift below GL etc complete .(Excluding reinforcement) | | | |
| 24.950 | Beams & Lintels M-200 | Cum | 9,375.25 | INR Nine Thousand Three Hundred & Seventy Five and Paise Twenty Five Only |
| | | | | 233912.49 |
| | Item No. 6 :- | | | |
| | Providing & fixing in position steel bar reinforcement of various diameters for R.C.C. piles caps footings foundations slabs beams, lintels, slabs beams columns canopies staircase newels, chajjas, lintels pardies 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 complete. (including cost of binding wires) | | | |
| 24.95 | Tor Steel | MT | 86091.00 | INR Eighty Six Thousand & Ninety One Only |
| | | | | 2147970.45 |
| | Item No.7 :- | | | |

| SUB-WORK NO.:12 COMPOUND WALL | | COST Rs. | | 52,41,587.21 | |
|-------------------------------|--|----------|-----------|---|------------|
| Qty | Description of Item | Unit | Rate | | |
| | | | In figure | In words | |
| | | | | Amount (Rs.) | |
| 340.011 | 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. | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | 32845.06 |
| | Item No.8 :- | | | | |
| | Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in plinth as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete. | | | | |
| 114.609 | | Cum | 8777.95 | INR Eight Thousand Seven Hundred & Seventy Seven and Paise Ninety Five Only | 1006032.07 |
| | Item No.9 :- | | | | |
| | Providing sand faced cement plaster externally in two coats to brick or stone masonry surfaces in all positions with base coat of 12 to 15mm thick in c.m.1:4 and rough cast treatment 12mm thick in proportion 1:11/ 2:3 including scaffolding and fourteen days curing complete. | | | | |
| 1301.76 | | SqM | 676.84 | INR Six Hundred & Seventy Six and Paise Eighty Four Only | 881083.24 |
| | Item No.10 :- | | | | |
| | Providing and fixing MS Gate 2.5 M Wide for compound with 40 mm dia. GI pipe medium class, approved grill work, RCC M-15 side pillars of 25cm x 40cm x 2.5 M height, its foundation, finishing, painting etc. complete | | | | |
| 1.00 | | Nos | 34792.80 | INR Thirty Four Thousand Seven Hundred & Ninety Two and Paise Eighty Only | 34792.80 |
| | Item No.11 :- | | | | |
| | Providing and fixing Wicket Gate 1.0 M Wide for compound with 40 mm dia. GI pipe medium class, approved grill work, RCC M-15 side pillars of 25cm x 40cm x 2.5 M height, its foundation, finishing, painting etc. complete | | | | |
| 1.00 | | Nos | 21768.60 | INR Twenty One Thousand Seven Hundred & Sixty Eight and Paise Sixty Only | 21768.60 |

| SUB-WORK NO.:12 COMPOUND WALL | | COST Rs. | | 52,41,587.21 |
|---|---------------------|----------|--------------|--------------|
| Qty | Description of Item | Unit | Rate | |
| | | | In figure | In words |
| TOTAL COST OF SUBWORK NO.5.SUB-WORK NO.: 12 | | | 52,41,587.21 | |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.:13 | FENCING WORK | Description of Item | Unit | Rate | | COST Rs. | Amount (Rs.) |
|-----------------|--|---------------------|------|-----------|---|----------|--------------|
| | | | | In figure | In words | | |
| | Item No. 1 :- | | | | | | |
| | Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete. | | | | | | |
| 200.00 | | | RMT | 2,665.95 | INR Two Thousand Six Hundred & Sixty Five and Paise Ninety Five Only | | 533190.00 |
| | Item No. 2 :- | | | | | | |
| | Providing and fixing M.S. gate 2.5 M wide for compound with 40 mm dia G.I. pipe, approved grill work, RCC M-150 side pillars of 25 cm x 40 cm x 2.5 M height, its foundation, finishing, painting, etc. complete. | | | | | | |
| 2 | | | No. | 34,792.80 | Thirty Four Thousand Seven Hundred & Ninety Two and Paise Eighty Only | | 69585.60 |
| | Item No. 3 :- | | | | | | |
| | Providing and fixing Wicket gate 1.0 M wide for compound with 40 mm dia G.I. pipe, approved grill work, RCC M-150 side pillars of 25 cm x 40 cm x 2.5 M height, its foundation, finishing, painting, etc. complete. | | | | | | |

| SUB-WORK NO.:13 FENCING WORK | | COST Rs. | | 6,46,312.80 | |
|--|---------------------|----------|-----------|--|--------------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) |
| | | | In figure | In words | |
| 2 | | No. | 21,768.60 | Twenty One Thousand Seven Hundred & Sixty Eight and Paise Sixty Only | 43537.20 |
| TOTAL COST OF SUBWORK NO.SUB-WORK NO.: 13 | | | | | 6,46,312.80 |

LATUR CITY MUNICIPAL CORPORATION

Project Name : Underground Sewerage Scheme for Latur City Municipal Corporation Under AMRUT 2.0 Scheme

SCHEDULE - B OF TENDER

Memorandum showing the approximate quantity of work to be executed and rate thereof

| SUB-WORK NO.:14 | Flood Protection Wall | Description of Item | Unit | COST Rs. | | 1,37,03,082.45 |
|-----------------|-----------------------|---|------|-----------|---|----------------|
| | | | | In figure | Rate In words | |
| | | Item No. 1 :- Excavation for Foundation for works of Flood Protection wall/ Retaining Wall in all types of Soil , earthy or sandy materials, soil of all type of sand, clay mud, Soft Murum ,soft average or hard murum, Boulders, all type of disintegrated rock ,shingles, brick bats ,isolated boulders of any size, all type of rock including soft ,hard and manjara rock by permissible and suitable methods such as Controlled blasting, chiselling, wedging, line drilling and or by use of mechanical means including excavation in all type of road surfaces such as WBM, Asphalt, concrete road, including trimming the surface by chiselling whenever required including removing the roots of trees met with during excavation levelling the bed and keeping it clean and dry by dewatering and making ready for PCC, manual dewatering, excluding backfilling including removing the excavated stuff up to a distance of 50 m beyond the work site and stacking the same as directed by Engineer in charge etc. complete for lift as mentioned below. Lift 0 -1.50 M | | | | |
| 1929.837 | | | Cum | 343.33 | INR Three Hundred & Forty Three and Paise Thirty Three Only | 662570.94 |
| | | Item No. 2 :- | | | | |

| SUB-WORK NO.:14 | | Flood Protection Wall | | COST Rs. | | 1,37,03,082.45 |
|-----------------|---|-----------------------|-----------|---|--------------|----------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 105.42 | Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for foundation and bedding / 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 (Crushed sand VSI Grade) | Cum | 7,024.93 | INR Seven Thousand &Twenty Four and Paise Ninety Three Only | 740568.12 | |
| | Item No. 3 :- | | | | | |
| | 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 fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) | | | | | |
| 223.80 | | Cum | 7,909.57 | INR Seven Thousand Nine Hundred & Nine and Paise Fifty Seven Only | 1770161.77 | |
| | Item No. 4 :- | | | | | |

| SUB-WORK NO.:14 | Flood Protection Wall | | Unit | COST Rs. | 1,37,03,082.45 |
|-----------------|---|---------------------|-----------|--|----------------|
| | Qty | Description of Item | | | |
| 249.26 | 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 fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) | Cum | 16,868.59 | INR Sixteen Thousand Eight Hundred & Sixty Eight and Paise Fifty Nine Only | 4204664.74 |
| | Item No. 5 :- | | | | |
| | 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 pardi, 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 complete. | | | | |
| 56.77 | | MT | 94,188.15 | INR Ninety Four Thousand One Hundred & Eighty Eight and Paise Fifteen Only | 5347061.28 |
| | Item No. 6 :- | | | | |
| | Providing and fixing bituminous pad 25mm thick for expansion joints in retaining wall, compound wall etc. complete. | | | | |
| 40.35 | | Sqm | 1,837.68 | INR One Thousand Eight Hundred & Thirty Seven and Paise Sixty Eight Only | 74150.39 |
| | Item No. 7 :- | | | | |
| | Providing and laying weep holes of 100 mm diameter PVC pipes as per drawing for abutment returns, return walls etc. Complete. | | | | |

| SUB-WORK NO.:14 | | Flood Protection Wall | | COST Rs. | | 1,37,03,082.45 |
|-----------------|--|-----------------------|-----------|--|--------------|----------------|
| Qty | Description of Item | Unit | Rate | | Amount (Rs.) | |
| | | | In figure | In words | | |
| 127.88 | | RMT | 559.65 | INR Five Hundred & Fifty Nine and Paise Sixty Five Only | 71568.04 | |
| | Item No.9 :- | | | | | |
| | Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete. | | | | | |
| 211.00 | | Cum | 2665.95 | INR Two Thousand Six Hundred & Sixty Five and Paise Ninety Five Only | 562515.45 | |
| | Item No.10 :- | | | | | |
| | Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. | | | | | |
| 1475.987 | | Cum | 96.60 | INR Ninety Six and Paise Sixty Only | 142580.34 | |
| | Item No.11 :- | | | | | |
| | Filling in plinth and floors with approved excavated material in 15cm. to 20cm. Layers including watering and compacting etc. complete. | | | | | |
| 226.925 | | Cum | 126.00 | INR One Hundred & Twenty Six Only | 28592.55 | |
| | Item No.12 :- | | | | | |