

KERALA WATER AUTHORITY

W.S.P. Sub Division Chalakudy

ACCEPTED SCHEDULE

**Jal Jeevan Mission (JJM)-RWSS to THRIKKUR-Pipe line Extension at Kottayi canal chungam road Through Jal jeevan Mission .-
Pipe line Extension -Pipeline Work**

| Sl. No. | Qty | | Description of work | Unit | Rate | | Amount |
|---------|-----|----------------|---|----------------|------------|---|----------|
| | | | | | In figures | In words | |
| 1.1 | 35 | m ³ | Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in all kinds of soil. | m ³ | 555.54 | Rs Five hundred fifty five and fifty four paise | 19443.9 |
| 1.2 | 15 | m ³ | Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Ordinary Rock | m ³ | 806.73 | Rs Eight hundred Six and seventy three paise | 12100.95 |
| 1.3 | 80 | m | Fencing 1.50m high with two rows of casuarina poles (girth 15cm to 24cm) tied with coir yarn on vertical casuarina pole (girth 15cm to 24cm) fixed at 1.5m intervals. | m | 28.03 | Rs Twenty eight and three paise | 2242.4 |
| 1.4 | 100 | m | Laying uPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipeline to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipeline with water to the required test pressure (excluding cost of pipes and specials): 90 mm nominal outside diameter pipes. | m | 87.05 | Rs Eighty seven and five paise | 8705 |
| 1.5 | 25 | m | Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc., but excluding cost of pipes and fittings for External work: 80mm diameter nominal bore. | m | 208.59 | Rs Two hundred eight and fifty nine paise | 5214.75 |

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|-------|-----|----------------|---|----------------|---------|---|-----------|
| 1.6 | 40 | m | Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffic diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation. | cum | 30.44 | Rs thirty and forty four paise | 1217.6 |
| 1.7 | 20 | m ² | Dismantling manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in-Charge:Bituminous road | m | 360.93 | Rs Three hundred sixty and ninety three paise | 7218.6 |
| 1.8 | 1.5 | m ³ | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:1/2:3 (cement : 1 1/2 coarse sand : 3 graded stone aggregate 20 mm nominal size) | m ³ | 8487.47 | Rs Eight thousand four hundred eighty seven and forty seven paise | 12731.205 |
| 1.9 | 2 | no | Taking connection from the existing pipe line by using required specials including all labour charges earth work excavation ,refilling trench,bailing out water ,hire for tools,etc complete but excluding cost of materials(Annual mace -RC -2016 rates) | no | 1116.05 | Rs One thousand one hundred sixteen and five paise | 2232.1 |
| 1.010 | 1 | no | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :80 mm nominal bore | no | 2610.68 | Rs Two thousand six hundred ten and sixty eight paise | 2610.68 |
| | | | Cost of Materials | | | | |
| 2.01 | 100 | m | Supply of PVC Pipe, 6kg/cm ² , 90mm Dia. | m | 230.62 | Rs Two hundred thirty and sixty two paise | 23062 |
| 2.02 | 1 | no | Cost of 80mm GM valve | no | 9872.75 | Rs Nine thousand eight hundred seventy two and seven five paise | 9872.75 |
| 2.03 | 25 | m | Cost of GI specials @5% | m | 40.48 | Rs forty and forty eight paise | 1012 |
| 2.04 | 100 | m | Cost of pvc specials @3% | m | 8.04 | Rs Eight and four paise | 804 |
| 2.05 | 25 | m | Cost of 80mm GI PIPE | m | 696.9 | Rs Six hundred ninety six and nine paise | 17422.5 |

| | | | |
|------|----|----------------|--|
| 3.01 | 8 | m ³ | |
| 3.02 | 4 | m ³ | |
| 3.03 | 4 | m ³ | |
| 3.04 | 20 | m ² | |
| 3.05 | 20 | m ² | |
| 3.06 | 20 | m ² | |

CONTRACT

| LSGD Road restoration charges | | | | | | |
|--|----|----------------|--|----------------|---------|--|
| 3.01 | 8 | m ³ | Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m | m ³ | 48.56 | Rs Forty eight and fifty six paise 388.48 |
| 3.02 | 4 | m ³ | Construction of granular sub-base by providing graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with a motor grader on the prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 Grading-1 - Plant Mix Method | m ³ | 3271.65 | Rs Three thousand two hundred seventy one and sixty five paise 13086.6 |
| 3.03 | 4 | m ³ | Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. | m ³ | 3241.37 | Rs Three thousand two hundred forty one and thirty seven paise 12965.48 |
| 3.04 | 20 | m ² | Providing and applying primer coat with bitumen emulsion (SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means. | m ² | 73.46 | Rs Seventy three and forty six paise 1469.2 |
| 3.05 | 20 | m ² | Providing and applying tack coat with bitumen emulsion(RS) using emulsionpressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom. | m ² | 11.92 | Rs Eleven and ninety two paise 238.4 |
| 3.06 | 20 | m ² | Providing ,laying and rolling of close graded premix surfacing materials of 20mm mm thickness composed of 11.2 mm to 0.9mm (Type A) or 13.2mm to 0.9mm (TypeB) aggregates using penetration grade bitumen to required line , grade and level to serve as wearing course on a previously prepared base , including mixing in a suitable plant , laying and rolling with a three wheel 8 -10 KN static roller and finishing to required level and grades as per technical specification Clause 509 | m ² | 1633.5 | Rs One thousand six hundred thirty three and five paise 32670 |
| Tendered PAC | | | | | | 186708.595 |
| Say | | | | | | 186709 |
| (Rupees One Lakh Eightysix thousand seven hundred and nine only) | | | | | | |

CONTRACTOR




Assistant Executive Engineer
 Assistant Executive Engineer
 Water Supply Project Sub J
 Kerala Water Authority
 Changanassery