

Providing OFC Chambers and HDPE Duct repairing works for OFC connectivity adjacent to both sides of Outer Ring Road (ORR) Hyderabad. (Package-2) Ghatkesar to Nanakramguda (83+00 to 158+01)

| Estimate Quantity (only Figures) | Items Description | Work Type eg. Earth Work, Electrical | Item Short Description (upto 100 Characters) | APSS / Morth Cl. Number (upto 200 Characters) | Rate (INR) (Upto 2 Decimal | UOM (upto 50 Charact | Amount (INR) (Upto 2 Decimals) |
|----------------------------------|---|--------------------------------------|---|--|-----------------------------|-----------------------|----------------------------------|
| 1560 | Repairing-Trenching (Earthwork in Excavation for Structures as per Drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing, removal of sumps and other deleterious material and disposal upto a lead of 50m, dressing of sides and bottom and backfilling in trenches with excavated suitable material as per Technical Specification 305 MORD/304 Morth) | Earthwork Excavation | Earthwork Excavation | MORD/304 Morth | 405.3 | Cum | 632268 |
| 13000 | Manufacture, Supply, & Delivery of 110 mm dia HDPE pipes conforming to IS 4984 - 1995 including transportation to anywhere in T.G, excluding excise duty, sale tax and specials etc., complete. (supply upto 90 mm diain coil & above 90 mm dia straight lengths in 6 m.) -(PE - 100 Grade) | 110mm dia HDPE pipes | 110mm dia HDPE pipes | PE - 100 Grade | 336.32 | RMT | 4372160 |
| 4333 | Manufacture, Supply, & Delivery of 110 mm dia HDPE pipe Couplers conforming to IS 4984 - 1995 including transportation to anywhere in T.G, etc., complete (PE - 100 Grade) | HDPE pipe Couplers | HDPE pipe Couplers | PE - 100 Grade | 112 | No.s | 485333 |
| 13000 | Repairing-Laying, jointing of 110 mm dia HDPE pipes as per BIS No.7634 part-III/75 for PVC and BIS No.7634 part-II/75 for HDPE pipes including testing-filling with water with water lead. Including labour Charges and overheads complete | Laying, jointing HDPE pipes | Laying, jointing HDPE pipes | BIS No.7634 | 67.05 | RMT | 871650 |
| 222 | Supply and placing of circular Concrete chambers 900mm (D)), 75mm thickness sidewall including Excavation and Backfilling with 75mm thick PCC 1:4:8 and Cover slab 50 mm thck M 20 grade (1:1.5:3) corresponding to IS 456 with minimum cement content of 350 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials , centering using Steel scaffolding pipes , jack props , wallers , Foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing,testing as per IS 516 etc., with overheads & contractors profit complete (APSS No. 402) | Pre-cast RCC Chambers | Pre-cast RCC Chambers | APSS No. 402 | 8804.71 | No.s | 1954646 |
| 445 | Supply and placing of circular Concrete chambers 500mm (D), 75mm thickness sidewall including Excavation and Backfilling with 75mm thick PCC 1:4:8 and Cover slab 50 mm thck M 20 grade (1:1.5:3) corresponding to IS 456 with minimum cement content of 350 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials , centering using Steel scaffolding pipes , jack props , wallers , Foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing,testing as per IS 516 etc., with overheads & contractors profit complete (APSS No. 402) | Pre-cast RCC Chambers | Pre-cast RCC Chambers | APSS No. 402 | 3622.34 | No.s | 1611939 |
| 30 | Construction of square Brick Chambers (500mm (L) x 500 mm (B) ,500mm (D)) with RCC cover slab 75mm thick M20 grade (1:1.5:3) including Excavation and Backfilling-Brick Masonry in CM (1:3) with Bricks traditional size 23 x 11 x 7 cms 1st Class including 12 mm thick plastering with PCC 1:4:8 grade concrete of 100 mm thick including materials,transportation,Labour Charges,curing,testing of bricks as per IS 3495 and overheads complete | Brick Masonry Chambers | Brick Chambers | IS 3495 | 4219.65 | No.s | 126589 |
| | Construction of square Brick Chambers (900mm (L) x 900 mm (B)) with RCC cover slab 50mm thick M20 grade (1:1.5:3) including Excavation and Backfilling-Brick Masonry in CM (1:3) with Bricks traditional size 23 x 11 x 7 cms 1st Class including 12 mm thick plastering with PCC 1:4:8 grade concrete of 75 mm thick including materials,transportation,Labour Charges,curing,testing of bricks as per IS 3495 and overheads complete | Brick Masonry Chambers | Brick Chambers | IS 3495 | 0 | 0 | 0 |

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|---------------|---|--------------------------|--------------------------|-------------------|---------|------|-----------------|
| 20 | Depth 900mm | Depth 900mm | Depth 900mm | IS 3495 | 10478.1 | No.s | 209561 |
| 10 | Depth 1000mm | Depth 1000mm | Depth 1000mm | IS 3495 | 11305.6 | No.s | 113056 |
| 10 | Depth 1200mm | Depth 1200mm | Depth 1200mm | IS 3495 | 12960.9 | No.s | 129609 |
| 16 | Depth 1500mm | Depth 1500mm | Depth 1500mm | IS 3495 | 15443.7 | No.s | 247100 |
| 20 | Grove Cutting and removal of Cement Concrete Pavement 300mm depth (Quotation) | Grove | Grove | Quotation | 4500 | RMT | 90000 |
| 20 | Grove Cutting and removal of Cement Concrete Pavement 200mm depth (Quotation) | Grove | Grove | Quotation | 3000 | RMT | 60000 |
| 20 | Grove Cutting and removal of Cement Concrete Pavement 100mm depth (Quotation) | Grove | Grove | Quotation | 1500 | RMT | 30000 |
| 20 | Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 design mix, coarse and fine aggregates conforming to IS: 383, maximum in a concrete mixer of not less than 0.2cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge / culvert and construction joints, admixtures as approved, curing of concrete slabs for 21 days, curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause 1501 MORD. | concrete pavement | concrete pavement | Clause 1501 MORD. | 6760.25 | Cum | 135205 |
| 524 | Cost for Horizontal Duct Drilling for laying of HDPE pipe with appolo automatic CNC machine target & sensing for laying of 110 mm dia & digging of pits for setting HDD machine at both ends of crossing including transportation to anywhere in T.G, excluding excise duty, sale tax and specials etc. | Horizontal Duct Drilling | Horizontal Duct Drilling | Quotation | 1700 | RMT | 890800 |
| 700 | Supply and delivery of GI pipe 100 mm dia Class B | GI pipes | GI pipes | Quotation | 752.15 | RMT | 526505 |
| 117 | Supply and delivery of GI Coupler for 100 mm dia | GI Coupler | GI Coupler | Quotation | 300 | No.s | 35100 |
| 117 | Supply and delivery of GI clamps | Supply of GI | Supply of GI | Quotation | 250 | Set | 29250 |
| 700 | Laying, Jointing and Fixing of 100 mm GI pipe | Laying | Laying | Quotation | 112.671 | RMT | 78870 |
| 250 | Manufacture, Supply and Delivery of 300 mm dia R.C.C. Plain ended pipes conforming to B.I.S 458/2003, Ex-factory, including transportation to anywhere in T.G, excluding excise duty, sale tax and specials etc. (NP 3) | Supply RCC pipes | Supply RCC pipes | B.I.S 458 | 1023.69 | RMT | 255923 |
| 250 | Lowering the RCC plain ended 300 mm dia pipes carefully into the trench laying them true to alignment and gradient, jointing RCC pipes with cement joints including curing, the cost of jointing materials i.e., Cement Mortar (1:1.5), hemp yarn etc., and testing including filling with water with a water lead upto 500 metres as per BIS No.783/85. | Laying RCC Pipes | Laying RCC Pipes | B.I.S 458 | 294.51 | RMT | 73628 |
| 20000 | Conducting Duct Integrity Test in HDPE pipe line laid in Shoulders on the main Carriageway comprising of 1 No x110mm dia using Air compressor for 600 HP capacity, 200 kg Nylon Roap, Insulation tape complete for finished item of work and as directed by the Engineer Incharge | Duct Integrity Test i | Duct Integrity Test i | Quotation | 24 | RMT | 480000 |
| 1 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately | Dismantling | Dismantling | SSR | 517 | Cum | 517 |
| Total | | | | | | | 13439709 |
| OR Say | | | | | | | 13440000 |