

**Providing OFC Chambers and HDPE Duct for Ramp Plaza
Connectivity related works for Toll Management System at Interchanges No. 13, 14 &
15 of Hyderabad Outer Ring Road (Package-2)**

Qty. approx.	Items Description	Work Type eg. Earth Work, Electrical works.. etc (upto 200	Item Short Description (upto 100 Characters)	APSS / Morth Cl. Number (upto 200 Characters)	Rate (INR) (Upto 2 Decimals)	UOM (upto 50 Characters)	Amount (INR) (Upto 2 Decimals)
480	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	1,94,544.00
12,800	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 dia 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	43,04,896.00
2,133	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	2,38,896.00
12,800	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	8,58,240.00
71	Supply and placing of circular Concrete chambers 500mm (D) of 75mm thickness sidewall including Excavation and Backfilling with 100mm thick PCC 1:4:8 and Cover slab 75 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	3622.33522	No.s	2,57,185.80
54	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	4219.6488	No.s	2,27,861.04
0	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	-
18	Depth 900mm	Depth 900mm	Depth 900mm	IS 3495	10478.0518	No.s	1,88,604.93
9	Depth 1000mm	Depth 1000mm	Depth 1000mm	IS 3495	11305.6461	No.s	1,01,750.81
9	Depth 1200mm	Depth 1200mm	Depth 1200mm	IS 3495	12960.8788	No.s	1,16,647.91
18	Depth 1500mm	Depth 1500mm	Depth 1500mm	IS 3495	15443.7353	No.s	2,77,987.24
6	Grove Cutting and removal of Cement Concrete Pavement 300mm depth (Quotation)	Grove Cutting	Grove Cutting	Quotation	4500	RMT	27,000.00
6	Grove Cutting and removal of Cement Concrete Pavement 200mm depth (Quotation)	Grove Cutting	Grove Cutting	Quotation	3000	RMT	18,000.00
6	Grove Cutting and removal of Cement Concrete Pavement100mm depth (Quotation)	Grove Cutting	Grove Cutting	Quotation	1500	RMT	9,000.00

40	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	2,70,410.00
440	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	7,48,000.00
360	Supply and delivery of GI pipe 100 mm dia Class B	GI pipes including couplers clamps etc	GI pipes including couplers clamps etc	Quotation	752.15	RMT	2,70,774.00
60	Supply and delivery of GI Coupler for 100 mm dia	GI Coupler for 100 mm dia	GI Coupler for 100 mm dia	Quotation	300	No.s	18,000.00
60	Supply and delivery of GI clamps	Supply of GI clamps	Supply of GI clamps	Quotation	250	Set	15,000.00
360	Laying,Jointing and Fixing of 100 mm GI pipe	Laying jointing of GI pipes	Laying jointing of GI pipes	Quotation	112.671109	RMT	40,561.60
60	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)	Suplly RCC pipes	Suplly RCC pipes	B.I.S 458	1023.69	RMT	61,421.40
60	Laying of Np-3 Class 300 mm RCC plain ended Hume Pipes Confirming to B.I.S 458/2003. in CM 1:2 proportion by Volume including cost of materials, Machinery, Labour, Aligning and Packing all Joints Complete. With initial lead upto 50 m and all Lifts	Laying RCC Pipes	Laying RCC Pipes	B.I.S 458	294.51	RMT	17,670.60
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	517.00
						Total	82,62,968
						OR Say	82,63,000