

ABSTRACT**Bill of Quantities****Development of Conservancy as NMT connecting Omti Nala**

S.NO	DESCRIPTION	AMOUNT
1	CIVIL WORKS	₹ 2,12,14,640.03
2	ELECTRICAL WORKS	₹ 45,68,004.10
	GRAND TOTAL	₹ 2,57,82,644.13
	SAY RS	₹ 2,57,83,000.00

Bill of Quantities

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CIVIL WORKS

S.No.	UADD SOR ITEM NO	Descriptions of Item	Quantity	Rate	Revised Reduced Rates as per Order	Unit	Amount in Rs.
1	2.28 Vol II	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.					
	2.28.1 Vol II	All kinds of soil.	7500.00				
			75.00	663.00	596.70	100 SqM	44752.50
2	15.1 Vol I	Earth work in Excavation for pipe trench in all kinds of soil and WBM in areas including dressing, watering and ramming and disposal of Excavated earth lead upto 50 meters and lift upto 1.5m, disposal earth to be leveled, neatly dressed.	156.00	129.10	116.19	Cum	18125.64
	15.2 Vol I	For muddy area	7371.00	155.00	139.50	Cum	1028254.50
3	16.15 Vol I	Carriage of Material by Mechanical transport including loading unloading & stacking etc.					
	16.15.2 Vol I	Earth					
		Distance 1 km	752.70	61.01	54.91	Cum	41330.00
		Distance 2 km	677.43	70.43	63.39	Cum	42940.26
		Distance 3 km	978.51	79.72	71.75	Cum	70206.14
		Distance 4 km	1129.05	88.69	79.82	Cum	90121.90
		Distance 5 km	1354.86	97.39	87.65	Cum	118754.83
		Beyond 5 km upto 10km. Add per km	450.00	8.00	7.20	Cum	3240.00
4	15.10.1 Vol I	Demolishing stone rubble masonry 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:	564.53	166.00	149.40	Cum	84340.04
5	15.16.1Vol I	Demolishing C.C./R.C.C. work by mechanical means including stacking of serviceable material and disposal of unserviceable material with in 50m, lead.	423.39	703.00	632.70	Cum	267881.23
6	15.18 Vol I	Providing & laying mechanically mixed cement concrete 20mm maximum size graded crushed stone including cost of centering & shuttering.					
		(a) In Plinth & foundation					
		(ii) M-15	1125.00	4321.00	3888.90	cum	4375012.50
7	15.20 Vol I	Providing and laying Plain/ Reinforcement cement concrete in sub structure or complete section including cost of form work staging/bracing and shuttering complete as per drawing and technical specification and as per relevant I.S. Standard (Height above average ground level).					
		(iv) RCC Grade M20					
		a) Height upto 5m	618.75	5698.00	5128.20	cum	3173073.75
8	15.22 Vol I	STEEL					
		D. Steel work is welded in built-up section tee & frame i/c cutting hoisting/fixing and painting with red lead paint. (i) In R.S. Joint in flat iron /angle / channel / bar.	18000.00	67.00	60.30	Kg	1085400.00

		E. Supplying ,Fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specification and relevant clauses of section	38857.50	55.00	49.50	Kg	1923446.25
9	12.2 Vol I	Providing and supply of DWC HDPE Pipes of renowned duly tested inclusive of all taxes related to central, state and municipal, inclusive of excise duty, inspection charges, transpotation charges, transit insuranse, loading/ unloading and stacking at site/ store etc, complete.					
	12.2.1 Vol I	Internal dia /Outer dia					
	12.2.1.3 Vol I	135 mm / 160 mm	1000.00	191.00	171.90	Meter	171900.00
	12.2.1.4 Vol I	170 mm / 200 mm	4000.00	298.00	268.20	Meter	1072800.00
10	12.1 Vol I	Providing, laying and jointing following P.V.C. - U pipes with solvent cement joint for Non-pressure gravity drain and sewer applications including testing of joints, cost of jointing materials etc. complete in all respect. [Conform to IS 15328:2003, solvent cement shall conform to IS 14182].					
		110 mm dia.	100.00	185.00	166.50	Meter	16650.00
		125 mm dia	560.00	249.00	224.10	Meter	125496.00
		160 mm dia	300.00	343.00	308.70	Meter	92610.00
		200 mm dia	250.00	606.00	545.40	Meter	136350.00
11	14.7 Vol I	Making connection of drain or sewer line with existing service lines manhole including breaking into and making good the walls, floors etc. with cement concrete grade M-15 (Nominal Mix) with stone aggregate 20mm nominal size plastered with Cement Mortar 1:3 (1 Cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels etc. complete.					
	14.7.1 Vol I	For 100 to 150 mm dia pipes	40.00	321.00	288.90	Each	11556.00
	14.7.2 Vol I	For 250 to 300 mm dia pipes	30.00	362.00	325.80	Each	9774.00
12	15.8 Vol I	Filling available excavated earth in trenches, plinth sides of foundation in layers not exceeding 20cm. in depth including consolidation of each layer by ramming watering, lead up to 50m and lift up to 1.5m in all kinds of soils					
		Filling	1875.00	29.00	26.10	Cum	48937.50
	15.9 Vol I	Filling with moorum for pipe bedding or over the pipe including supply of moorum	1800.00	625.00	562.50	Cum	1012500.00
13	2.27 Vol II	Supplying and filling in plinth under floors including, watering, ramming consolidating and dressing complete.					
	2.27.1 Vol II	Crusher Stone Dust	1800.00	628.00	565.20	Cum	1017360.00
12	11.30 Vol II	40 mm thick rubbed local Flag stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement :5 coarse sand) with joints 3mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar (minimum size of kota stone 0.25 sqm)					
	11.30.1 Vol II	Red sand stone	1250.00	513.00	461.70	Sqm	577125.00

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ELECTRICAL WORKS							
Sr. No.	Code	Description	Quantity	Unit	Rate	Reduced Rate as per UADD Orders	Amount
1	4.3	CIRCUIT WIRING IN EXISTING CONDUIT / PVC CASING CAPPING: Supplying and drawing single core PVC insulated cable FR with copper multi strand conductor ISI marked in existing rigid conduit in surface or concealed as per specification					
2	4.3.1	1.5 Sq mm cable					
3	1	1 X 1.5 sq mm	4,000.00	Mtrs	24.00	21.60	86,400.00
4	4.3.2	2.5 Sq mm cable					
5	1	1 X 2.5 sq mm	12,000.00	Mtrs	32.00	28.80	3,45,600.00
6	4.3.3	4.00 Sq mm cable					
7	1	1 X 4.00 sq mm	5,000.00	Mtrs	44.00	39.60	1,98,000.00
14	2	Supply of MCB: 2 pole 32 Amps, 30 mA sensitivity	20.00	No.	2,283.00	2,054.70	41,094.00
18	8.19	Labour charges for fixing sheet steel enclosures, MCB DB flush mounting type, as per accepted practice, duly embedded and end plate completely flushed in wall, cable connection etc.complete :-	20.00	No.	167.00	150.30	3,006.00
19	10.21	Labour rate for point wiring a Light / Fan / Twin control light / Socket out let on seperate board / Call bell Point in (open) surface rigid steel conduit system.	320.00	Nos.	90.00	81.00	25,920.00
	10.30	Labour rate for fixing rigid PVC conduit as per specification in recessed / concealed conduit wiring system.					
	1	20 mm Conduit	500.00	Nos.	25.89	23.30	11,650.50
25	17.4	Supplying and installing Double wall corrugated pipes (DWC) of HDPE (IS 14930 Part II -marked) for cable laid under ground with necessary connecting sockets / couplings, tees of same material and at required depth upto 90cm. below road / ground surface, including excavation, back filling with excavated material with ramming and making the surface good.					
26	1	50.00mm outside dia.	5,000.00	Mtrs	207.00	186.30	9,31,500.00
	19.27	20 mm dia ISI marked, PVC conduit (100 Mtrs)	15.00	Lot	2,079.00	1,871.10	28,066.50
27	19.36	75 mm X 75 mm X 50 mm PVC box (100 Nos)	2.00	Lot	907.00	816.30	1,632.60
28	289	Excavation including refilling as required	60.00	CUM	165.00	148.50	8,910.00
29	290	Cement concrete 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	45.00	CUM	2,129.00	1,916.10	86,224.50
30	Non SOR	Supply, Installation, Testing and Commissioning of Pillar / column Light : IP-65 / IP-66 protected LED Column Light fixture with extrusion Aluminium housing LED 40 watt, 120-270 VAC, 50 Hz, driver shall be high efficiency having efficiency > 85% and in compliance to IEC standard (integral with light fixture).system life of 25000 burning hours with 70% of initial lumens maintain. Light output in warm white as per engineer choice fixture shall be CE and Compliance. 1) High Power LED Column Light 40 watt, 120-270 VAC, 50Hz, Pole Height:3.5 Meter with all accessories like bolt and control gear compartment etc. Make: Philips / Wipro / K-Lite / Havells / Gearsenergy / Equivalent	200.00	Nos.	14,000.00	14,000.00	28,00,000.00
		Total					45,68,004.10