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

	Bill of Quantities Development of Conservancy as NMT connecting Omti Nala							
	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					
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.	75.00 156.00		596.70 116.19	100 SqM	44752.50 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 VOI I	Distance 1 km	752.70	61.01	54.91	Cum	41330.00	
		Distance 2 km	677.43		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	
\vdash		Distance 5 km	1354.86		87.65	Cum	118754.83	
		Beyond 5 km upto 10km. Add per km	450.00	8.00	7.20	Cum	3240.00	
5	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: Demolishing C.C./R.C.C. work by mechanical means	564.53	166.00	149.40	Cum	84340.04	
		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	
\vdash								
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						
	23:22 \$3:1	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.					
		Internal dia /Outer dia					
		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		166.50	Meter	16650.00
		125 mm dia	560.00		224.10	Meter	125496.00
		160 mm dia	300.00		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					
11		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
		For 250 to 300 mm dia pipes	30.00	362.00	325.80	Each	9774.00
	14,7,12 0011	Tot 250 to 500 tilli did pipes	30.00	302.00	323.00	Lucii	3774.00
	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					
12		0130113					
		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 1/2 1 11	Cumplying and filling in aliath under flagger in aliation					
13		Supplying and filling in plinth under floors including,					[
		watering, ramming consolidating and dressing					1
		complete.					
	2.27.1 Vol II	Crusher Stone Dust	1800.00	628.00	565.20	Cum	1017360.00
- 12	11 20 1/-1 !!	40 mm think withhold level flee etce (flee decent)					
12		40 mm thick rubbed local Flag stone flooring over 20					[
		mm (average) thick base of cement mortar 1:5 (1					1
		cement :5 coarse sand) with joints 3mm thick, side					[
		buttered with cement mortar 1:2 (1 cement : 2 stone					1
		dust) admixed with pigment to match the shade of					1
		stone and pointing with same mortar (minimum size of					
		kota stone 0.25 sqm)					
		Red sand stone	1250.00	513.00	461.70	Sqm	577125.00

	11.30.2 Vol II	White sand stone	6250.00	532.00	478.80	Sqm	2992500.00
14	13.1 Vol II	12 mm cement plaster of mix :					
	13.1.2 Vol II 13.11 Vol II	1:5 (1 cement: 5 fine sand) 18 mm cement plaster in two coats under layer 12 mm	1000.00	102.00	91.80	sqm	91800.00
	13.11 VOI II	thick cement plaster 1:5 (1 cement: 5 coarse sand)					
		finished with a top layer 6mm thick cement plaster 1:6					
		(1 cement: 6 fine sand).					
		(1500.00	149.00	134.10	Sqm	201150.00
						·	
15	13.26.1 Vol II	Providing and applying 1.5 mm thick (in two coat) white					
		cement based wall putty of best quality, over plastered					
		surface to prepare the surface even and smooth				_	
		complete.	2500.00	82.00	73.80	Sqm	184500.00
16	13.43 Vol II	Applying one coat of cement primer of approved brand					
10	15.45 VOI II	and manufacture on wall surface :					
	13.43.1 Vol II	Cement primer.	2500.00	22.00	19.80	Sqm	49500.00
	2011012 10111	estiment printeri					13220.00
17	13.48 Vol II	Finishing walls with Deluxe Multi surface paint system					
		for interiors and exteriors using Primer as per					
		manufacturers specifications :					
	13.48.1 Vol II	Two or more coats applied @ 1.25 ltr/10 sqm. over and					
		including one coat of Special primer applied @ 0.75				_	
		ltr/10 sqm.	2500.00	75.00	67.50	Sqm	168750.00
18	4.8 Vol II	Precasting and placing in position 125 mm dia Bollards					
10	4.8 VOI II	600 mm highof required shape including providing M.S.					
		Pipe Sleeve 50 mm dia 300 mm long in the Bollard and					
		M.S. Pipes 40 mm dia and 450 mm long with					
		150x150x6mm M.S. plate welded at bottom and					
		embedded 150mm in cement concrete grade M-10					
		(Nominal Mix with 20 mm maximum size of stone					
		aggregate) including necessary excavation of size 250x					
		250x 450mm deep for the same in bitumen/concrete					
		pavement at specified spacing.					
			50.00	416.00	374.40	Each	18720.00
	14.1 Vol I	Providing and fixing SW gully trap complete with CI					
		grating, Brick masonry chamber in cement mortar 1:4					
		(1 cement : 4 fine sand) water tight CI cover with frame					
		of 30x30cm size including necessary Excavation, cement					
		concrete grade M-5 (Nominal Mix) with stone					
		aggregate 40mm nominal size, fixing CI cover with frame in Cement concrete grade M-15 (Nominal Mix)					
		with stone aggregate 20mm					
		nominal size, 12 mm thick cement plaster 1:2 (1					
		cement:2 coarse sand					
) finished with a floating coat of neat cement complete.					
		·					
	14.1.2 Vol I	125x100mm size "P", "Q" or "S" type Gully trap					
	14 1 2 1/-1 !	chamber		1421.00		Each	191835.00
	14.1.3 Vol I	180x150mm size "P" or "S" type	230.00	1493.00	1343.70	Each	309051.00
19	14.2.5.2 Vol I	Man hole with above specifications having inside size					
[600x450mm and 900mm deep including Pre Cast RCC					
		Man hole Cover (Heavy Duty) 500mm dia having					
		100mm thickness conforming to IS : 12592 - 2002					
		complete. (See Drawing No25)	80.00	4818.00	4336.20	Each	346896.00
							21214640.03

1 2 4 3 4 4 5 5	4.3.1 1 4.3.2 1 4.3.3	Development of Conservancy ELECTRICA Description 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 1.5 Sq mm cable 1 X 1.5 sq mm 2.5 Sq mm cable			Rate	Reduced Rate as per UADD Orders	Amount
1 2 4 3 4 4 5 6 4 4	4.3.1 1 4.3.2 1	Description 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 1.5 Sq mm cable 1 X 1.5 sq mm	Quantity		Rate		Amount
2 4 3 4 4 5 6 4	4.3.1 1 4.3.2 1	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 1.5 Sq mm cable 1 X 1.5 sq mm	4 000 00				
3 4 5 6	1 4.3.2 1	1 X 1.5 sq mm	4 000 00				
4 4 5 6 4	4.3.2	·	4 000 00				
5 6 4	1	2.5 Sq mm cable	4,000.00	Mtrs	24.00	21.60	86,400.00
6 4							
	433	1 X 2.5 sq mm	12,000.00	Mtrs	32.00	28.80	3,45,600.00
7	7.5.5	4.00 Sq mm cable					
	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: Labour rate for point wiring a Light / Fan / Twin control light /	20.00	No.	167.00	150.30	3,006.00
19 1	10.21	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
1	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
	19.36	75 mm X 75 mm X 50 mm PVC box (100 Nos)	2.00	Lot	907.00	816.30	1,632.60
	289	Excavation including refilling as required	60.00	CUM	165.00	148.50	8,910.00
		Cement concrete 1:2:4 (1 cement:2 coarse sand : 4 graded					
29	290	stone aggregate 20 mm nominal size)	45.00	сим	2,129.00	1,916.10	86,224.50
30 No	lon 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