

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
	Barricading for Safety												
1	Providing Barricading for Trenches using 40 mm dia GI pipe as vertical post, atleast 1.5m above ground level and atleast 30 cm below ground level at a spacing of 5-6m. Two rows of 40 mm GI pipes as horizontal members securely tied to the vertical in red a	Mtr.	45,500.00	20.00	910,000.00	0.45	56.00	2,548,000.00	21.64	984,547.20	0.40	8.19	74,547.20
2	Providing and Fixing Minimum 0.63mm thick GI corrugated sheets (minimum width of each sheet shall be 60 cm) for covering the barricading in one/ two rows one above another and painting in red and white stripes as per the specifications and directions of t	Sqm.	68,340.00	30.00	2,050,200.00	1.01	53.00	3,622,020.00	18.03	1,232,306.88	0.50	-39.89	-817,893.12
	PIPELINE WORKS INCLUDING EXCAVATION												
3	Earth work in excavation in foundation, trenches manholes, road side chambers etc. including dressing of sides and ramming of bottoms, including getting out the excavated material, refilling after laying pipe/ foundation and disposal of surplus excavated												
A	In all types soils such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.												
i	upto 1.5 m deep	Cum	70,779.00	69.00	4,883,751.00	2.40	178.00	12,598,662.00	50.49	3,573,603.40	1.45	-26.83	-1,310,147.60
ii	>1.5m and upto3.0m deep	Cum	28,744.00	79.00	2,270,776.00	1.12	196.00	5,633,824.00	63.11	1,814,091.33	0.73	-20.11	-456,684.67
iii	>3.0m and upto 4.5m deep	Cum	6,146.00	91.00	559,286.00	0.28	214.00	1,315,244.00	81.14	498,711.02	0.20	-10.83	-60,574.98
iv	>4.5m and upto6.0m deep	Cum	391.00	105.00	41,055.00	0.02	250.00	97,750.00	135.24	52,878.84	0.02	28.80	11,823.84
v	>6.0m and upto7.5m deep	Cum	100.00	121.00	12,100.00	0.01	321.00	32,100.00	153.27	15,327.20	0.01	26.67	3,227.20
B	Ordinary Rock												
i	>1.5m and upto 3.0m deep	Cum	600.00	344.00	206,400.00	0.10	312.00	187,200.00	270.48	162,288.00	0.07	-21.37	-44,112.00
ii	>3.0m and upto4.5m deep	Cum	1,150.00	396.00	455,400.00	0.22	357.00	410,550.00	338.10	388,815.00	0.16	-14.62	-66,585.00
iii	>4.5m and upto6.0m deep	Cum	1,350.00	455.00	614,250.00	0.30	446.00	602,100.00	450.80	608,580.00	0.25	-0.92	-5,670.00
iv	>6.0m and upto7.5m deep	Cum	100.00	523.00	52,300.00	0.03	624.00	62,400.00	811.44	81,144.00	0.03	55.15	28,844.00
C	In hard rock (Blasting Prohibited)												
i	>1.5m and upto 3.0m deep	Cum	400.00	1,158.00	463,200.00	0.23	1,960.00	784,000.00	540.96	216,384.00	0.09	-53.28	-246,816.00
ii	>3.0m and upto4.5m deep	Cum	1,000.00	1,390.00	1,390,000.00	0.68	2,320.00	2,320,000.00	676.20	676,200.00	0.27	-51.35	-713,800.00
iii	>4.5m and upto6.0m deep	Cum	1,250.00	1,668.00	2,085,000.00	1.03	2,670.00	3,337,500.00	811.44	1,014,300.00	0.41	-51.35	-1,070,700.00
iv	>6.0m and upto7.5m deep	Cum	200.00	2,001.00	400,200.00	0.20	3,570.00	714,000.00	1,352.40	270,480.00	0.11	-32.41	-129,720.00
4	Close timbering Providing and fixing CLOSE timbering in foundation, manholes, wells, trenches etc at all depth including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).	Sq.m	42,500.00	115.00	4,887,500.00	2.40	134.00	5,695,000.00	90.16	3,831,800.00	1.55	-21.60	-1,055,700.00
5	Extra for planking, strutting and packing material for cavities IN CLOSE TIMBERING if required to be left permanently in position (face area of timber permanently left to be measured)	Sq.m	1,250.00	985.00	1,231,250.00	0.61	1,780.00	2,225,000.00	811.44	1,014,300.00	0.41	-17.62	-216,950.00
6	Providing and fixing OPEN timbering in foundation, manholes, wells, trenches etc at all depth including strutting, shoring and packing cavities (wherever required) complete.	Sq.m	44,500.00	59.00	2,625,500.00	1.29	107.00	4,761,500.00	63.11	2,808,484.00	1.14	6.97	182,984.00
7	Extra for planking, strutting and packing material for cavities IN OPEN TIMBERING if required to be left permanently in position (face area of timber permanently left to be measured)	Sq.m	1,250.00	419.00	523,750.00	0.26	1,783.00	2,228,750.00	676.20	845,250.00	0.34	61.38	321,500.00
8	Carriage of Materials by mechanical transport including loading, unloading and stacking. Earth with lead upto 3 Kms.	Cum	24,200.00	68.66	1,661,572.00	0.82	134.00	3,242,800.00	72.13	1,745,497.60	0.71	5.05	83,925.60
	DISMANTLING AND REINSTATEMENT OF ROAD WORKS												
9	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.							0.00	0.00	0.00	0.00		0.00
i	Bituminous courses	Cum	1,538.00	485.66	746,945.08	0.37	446.00	685,948.00	405.72	623,997.36	0.25	-16.46	-122,947.72
ii	Granular courses	Cum	9,689.00	346.66	3,358,788.74	1.65	267.00	2,586,963.00	270.48	2,620,680.72	1.06	-21.98	-738,108.02
10	Dismantling of Stone Pavements, existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled materia	Cum	1,547.00	148.62	229,915.14	0.11	1,337.00	2,068,339.00	540.96	836,865.12	0.34	263.99	606,949.98
11	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of un	Cum	20.00	174.66	3,493.20	0.00	892.00	17,840.00	811.44	16,228.80	0.01	364.58	12,735.60
12	Providing and laying rolled cement concrete mix of M-10 base course with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm with minimum aggregate cement ratio 15:1 and minimum cement content of 200 kg/cum, ad	cum	1,547.00	2,152.00	3,329,144.00	1.64	3,651.00	5,648,097.00	2,885.12	4,463,280.64	1.81	34.07	1,134,136.64
13	Random rubble masonry work in cement mortar with mechanical mixer in substructure/ super structure at all levels complete as per clause 1400 and 2200 of MoRT&H specification including all material, labour, scaffolding etc but excluding pointing and plaste	Cum	20.00	2,069.00	41,380.00	0.02	2,950.00	59,000.00	2,704.80	54,096.00	0.02	30.73	12,716.00

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14	Plastering with cement mortar (1:3) on Brick/stone work in substructure/ super structure at any height complete as per clause 1312 of MoRT&H specification including all material, labour, scaffolding etc. 20 mm plaster	Sqm.	200.00	105.00	21,000.00	0.01	227.00	45,400.00	108.19	21,638.40	0.01	3.04	638.40
15	Providing, laying, spreading (with paver finisher only) and compacting wet mix macadam (WMM) base course comprising of graded stone aggregate and granular material conforming to MoRT&H specifications (Table 400-II) in layers of equal compacted	Cum	7,500.00	1,160.00	8,700,000.00	4.28	1,347.00	10,102,500.00	1,262.24	9,466,800.00	3.83	8.81	766,800.00
16	Providing and applying primer coat over prepared surface of granular base with bitumern emulsion as per IS:8887 and approved quality @.75 kg/sqm with the help of spray set fitted on bitumen container (boiler) after cleaning the surface including removing	SqM	99,424.00	23.50	2,336,464.00	1.15	58.00	5,766,592.00	36.06	3,585,627.14	1.45	53.46	1,249,163.14
17	Providing and applying tack coat over prepared surface with bitumern emulsion as per IS:8887 and approved quality @0.225 kg/sqm with the help of spray set fitted on bitumen container (boiler) after cleaning the surface with brooms or soft brushes and	SqM	99,424.00	7.55	750,651.20	0.37	17.00	1,690,208.00	13.52	1,344,610.18	0.54	79.13	593,958.98
18	Providing and laying open graded premix carpet 20 mm thick compacted on prepared surface in a single course as wearing course, composed of specified graded crushed stone aggregate as per Table 500-23, premixed with bituminous binder @14.60 Kg/10 SqM (i	SqM	99,424.00	82.00	8,152,768.00	4.01	160.00	15,907,840.00	112.70	11,205,084.80	4.54	37.44	3,052,316.80
19	Providing and applying premixed seal coat Type "B" comprising of thin application of fine aggregate 0.06 CuM/ 10 SqM premix with bitumen binder @ 6.8 Kg/10 SqM (including cost of anti stripping compound wherever required) laying with paver finisher with e	SqM	99,424.00	33.00	3,280,992.00	1.61	71.00	7,059,104.00	36.06	3,585,627.14	1.45	9.28	304,635.14
PIPE LINE AND ALLIED WORKS										0.00	0.00	0.00	0.00
20	Providing at site, lowering & laying in trenches, aligning & jointing of RCC pipes NP4/ NP2 class (with s/s ends) as per IS: 458 - 2003 (amended up to date) at all depths with Rubber gaskets (EPDM/SBR) for sewer lines as per IS: 5382 (including cost of Ru								0.00	0.00	0.00		0.00
A	For NP-4 pipes								0.00	0.00	0.00		0.00
i	200 mm internal diameter	RM	38,312.00	419.00	16,052,728.00	7.90	858.00	32,871,696.00	676.20	25,906,574.40	10.49	61.38	9,853,846.40
ii	250 mm internal diameter	RM	1,641.00	520.00	853,320.00	0.42	975.00	1,599,975.00	847.50	1,390,754.06	0.56	62.98	537,434.06
iii	300 mm internal diameter	RM	1,550.00	679.00	1,052,450.00	0.52	1,611.00	2,497,050.00	1,172.08	1,816,724.00	0.74	72.62	764,274.00
B	For NP-2 pipes					0.00			0.00	0.00	0.00		0.00
i	350 mm internal diameter RCC pipe	RM	641.00	575.00	368,575.00	0.18	1,841.00	1,180,081.00	1,298.30	832,212.86	0.34	125.79	463,637.86
ii	400 mm internal diameter RCC pipe	RM	894.00	663.00	592,722.00	0.29	2,206.00	1,972,164.00	1,487.64	1,329,950.16	0.54	124.38	737,228.16
iv	500 mm internal diameter RCC pipe	RM	496.00	919.00	455,824.00	0.22	2,876.00	1,426,496.00	1,893.36	939,106.56	0.38	106.02	483,282.56
v	600 mm internal diameter RCC pipe	RM	793.00	1,230.00	975,390.00	0.48	3,317.00	2,630,381.00	2,254.00	1,787,422.00	0.72	83.25	812,032.00
vi	700 mm internal diameter RCC pipe	RM	1,354.00	1,458.00	1,974,132.00	0.97	3,796.00	5,139,784.00	2,903.15	3,930,867.81	1.59	99.12	1,956,735.81
vii	800 mm internal diameter RCC pipe	RM	1,239.00	1,941.00	2,404,899.00	1.18	4,199.00	5,202,561.00	3,471.16	4,300,767.24	1.74	78.83	1,895,868.24
viii	900 mm internal diameter RCC pipe	RM	1,166.00	2,451.00	2,857,866.00	1.41	5,094.00	5,939,604.00	3,967.04	4,625,568.64	1.87	61.85	1,767,702.64
ix	1000 mm internal diameter RCC pipe	RM	1,625.00	2,997.00	4,870,125.00	2.40	6,881.00	11,181,625.00	5,048.96	8,204,560.00	3.32	68.47	3,334,435.00
BEDDING AND ALLIED WORKS										0.00	0.00	0.00	0.00
21	Providing and laying plain cement concrete M15 grade (using mechanical concrete mixer) using 20mm graded hard crusher broken stone aggregate, laying in layers of not more than 15cm thick, for bedding having width = outer dia of pipe (Bc) + 200mm or 1.25Bc					0.00			0.00	0.00	0.00		0.00
i	350 mm internal diameter RCC pipe	RM	577.00	318.00	183,486.00	0.09	574.00	331,198.00	315.56	182,078.12	0.07	-0.77	-1,407.88
ii	400 mm internal diameter RCC pipe	RM	805.00	371.00	298,655.00	0.15	627.00	504,735.00	360.64	290,315.20	0.12	-2.79	-8,339.80
iii	450 mm internal diameter RCC pipe	RM	0.00	429.00		0.00	764.00	0.00	423.75	0.00	0.00		0.00
iv	500 mm internal diameter RCC pipe	RM	446.00	490.00	218,540.00	0.11	914.00	407,644.00	495.88	221,162.48	0.09	1.20	2,622.48
v	600 mm internal diameter RCC pipe	RM	714.00	654.00	466,956.00	0.23	1,253.00	894,642.00	676.20	482,806.80	0.20	3.39	15,850.80
vi	700 mm internal diameter RCC pipe	RM	1,219.00	826.00	1,006,894.00	0.50	1,645.00	2,005,255.00	833.98	1,016,621.62	0.41	0.97	9,727.62
vii	800 mm internal diameter RCC pipe	RM	1,115.00	1,070.00	1,193,050.00	0.59	2,089.00	2,329,235.00	1,127.00	1,256,605.00	0.51	5.33	63,555.00
viii	900 mm internal diameter RCC pipe	RM	1,050.00	1,321.00	1,387,050.00	0.68	2,644.00	2,776,200.00	1,352.40	1,420,020.00	0.58	2.38	32,970.00
ix	1000 mm internal diameter RCC pipe	RM	1,465.00	1,652.00	2,420,180.00	1.19	3,264.00	4,781,760.00	1,803.20	2,641,688.00	1.07	9.15	221,508.00

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1	2	3	4	5	6 = 4 x 5								
22	Providing granular bedding having width = outer dia of pipe (Bc) + 500mm, thickness below pipe = 0.25Bc or 100mm (whichever is higher) and haunching = 0.5Bc, with graded hard crusher broken stone of 100% passing through 20mm sieve, 20 to 50 % passing thr					0.00			0.00	0.00	0.00		0.00
	For RCC NP-4 pipes					0.00			0.00	0.00	0.00		0.00
i	200 mm internal diameter RCC pipe	RM	38,312.00	98.00	3,754,576.00	1.85	129.00	4,942,248.00	99.18	3,799,630.91	1.54	1.20	45,054.91
ii	250 mm internal diameter RCC pipe	RM	1,641.00	110.00	180,510.00	0.09	156.00	255,996.00	108.19	177,543.07	0.07	-1.64	-2,966.93
iii	300 mm internal diameter RCC pipe	RM	1,550.00	128.00	198,400.00	0.10	185.00	286,750.00	117.21	181,672.40	0.07	-8.43	-16,727.60
23	Providing and laying reinforced cement concrete M15 grade (using mechanical concrete mixer) with 0.4% steel reinforcement using 20mm graded hard crusher broken stone aggregate, laying in layers of not more than 15cm thick, for bedding having width = outer					0.00		0.00	0.00	0.00	0.00		0.00
i	600 mm internal diameter RCC pipe	RM	173.00	979.00	169,367.00	0.08	2,074.00	358,802.00	1,262.24	218,367.52	0.09	28.93	49,000.52
ii	700 mm internal diameter RCC pipe	RM	639.00	1,237.00	790,443.00	0.39	2,699.00	1,724,661.00	1,532.72	979,408.08	0.40	23.91	188,965.08
iii	800 mm internal diameter RCC pipe	RM	38.00	1,602.00	60,876.00	0.03	3,403.00	129,314.00	1,983.52	75,373.76	0.03	23.82	14,497.76
iv	900 mm internal diameter RCC pipe	RM	1,166.00	1,321.00	1,540,286.00	0.76	4,277.00	4,986,982.00	2,704.80	3,153,796.80	1.28	104.75	1,613,510.80
v	1000 mm internal diameter RCC pipe	RM	1,625.00	1,652.00	2,684,500.00	1.32	5,251.00	8,532,875.00	3,606.40	5,860,400.00	2.37	118.31	3,175,900.00
	MANHOLES AND ANCILLARY WORKS					0.00			0.00	0.00	0.00		0.00
	RR Masonry manholes					0.00			0.00	0.00	0.00		0.00
24	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:4:8) for 225mm thick found					0.00			0.00	0.00	0.00		0.00
	Note-Only Excavation work will be measured and paid separately.					0.00			0.00	0.00	0.00		0.00
	Type-A as per drawing					0.00			0.00	0.00	0.00		0.00
ii	>0.90 mtr. & up to 1.20 mtr. Deep	No.	2.00	9,013.00	18,026.00	0.01	18,668.00	37,336.00	9,737.28	19,474.56	0.01	8.04	1,448.56
iii	>1.20 mtr. & up to 1.50 mtr. Deep	No.	1,245.00	9,526.00	11,859,870.00	5.84	20,398.00	25,395,510.00	10,097.92	12,571,910.40	5.09	6.00	712,040.40
iv	>1.50 mtr. & up to 1.65 mtr. Deep	No.	268.00	9,782.00	2,621,576.00	1.29	21,262.00	5,698,216.00	10,638.88	2,851,219.84	1.15	8.76	229,643.84
25	Providing and constructing of RR stone masonry circular manholes of "Type-B" with internal dia 1.20m and depth upto 2.50m having RR stone masonry wall 300mm thick upto 1.5m, 350mm thick from 1.50m to 2.50m in cement sand mortar 1:4, including concreting P					0.00			0.00	0.00	0.00		0.00
	complete as directed by the Engineer. Note-Only Excavation work will be measured and paid separately.					0.00			0.00	0.00	0.00		0.00
	Type-B as per drawing					0.00			0.00	0.00	0.00		0.00
i	Manhole "Type-B" of depth 1.70 m	No	68.00	15,355.00	1,044,140.00	0.51	27,982.00	1,902,776.00	16,589.44	1,128,081.92	0.46	8.04	83,941.92
ii	>1.70 mtr. & up to 2.00 mtr. Deep	No	172.00	16,088.00	2,767,136.00	1.36	30,336.00	5,217,792.00	17,400.88	2,992,951.36	1.21	8.16	225,815.36
iii	>2.00 mtr. & up to 2.30 mtr. Deep	No	67.00	16,821.00	1,127,007.00	0.55	32,689.00	2,190,163.00	18,212.32	1,220,225.44	0.49	8.27	93,218.44
iv	>2.30 mtr. & up to 2.50 mtr. Deep	No	23.00	17,310.00	398,130.00	0.20	34,258.00	787,934.00	18,753.28	431,325.44	0.17	8.34	33,195.44
26	Providing and constructing of RR stone masonry circular manholes of "Type-C" with internal dia 1.50m and depth upto 5.0m having RR stone masonry wall 300mm thick upto 1.5m, 350mm thick from 1.50m to 2.50m and 450mm from 2.50 to 5.0m in cement sand mortar					0.00			0.00	0.00	0.00		0.00
	water, and dewatering complete as directed by the Engineer. Note-Only Excavation work will be measured and paid separately					0.00			0.00	0.00	0.00		0.00
	Type-C as per drawing					0.00			0.00	0.00	0.00		0.00
i	depth upto 2.50 m	No	23.00	25,336.00	582,728.00	0.29	45,911.00	1,055,953.00	27,408.64	630,398.72	0.26	8.18	47,670.72
ii	>2.60m and upto 3.0m deep	No	37.00	26,822.00	992,414.00	0.49	49,355.00	1,826,135.00	29,031.52	1,074,166.24	0.44	8.24	81,752.24
iii	>3.0m and upto 3.5m deep	No	28.00	28,679.00	803,012.00	0.40	55,095.00	1,542,660.00	31,105.20	870,945.60	0.35	8.46	67,933.60
iv	>3.5m and upto 4.0m deep	No	2.00	30,536.00	61,072.00	0.03	60,836.00	121,672.00	33,088.72	66,177.44	0.03	8.36	5,105.44
iv	>4.0m and upto 4.5m deep	No	6.00	32,394.00	194,364.00	0.10	66,576.00	399,456.00	35,162.40	210,974.40	0.09	8.55	16,610.40
v	>4.5m and upto 5.0m deep	No	2.00	34,251.00	68,502.00	0.03	68,872.00	137,744.00	37,867.20	75,734.40	0.03	10.56	7,232.40
27	Providing and constructing of RCC M-20 grade cast-in-situ circular manholes of "Type-E" with internal dia 1.40m and depth upto 3.50m having 150 mm thick RCC M-20 wall, including 350 mm thick RCC M-20 grade base slab (foundation), PCC M15 for benching and					0.00			0.00	0.00	0.00		0.00
i	for depth > 1.5 m and upto 2.0 m	Nos.	5.00	24,899.00	124,495.00	0.06	76,629.00	383,145.00	27,048.00	135,240.00	0.05	8.63	10,745.00
ii	for depth > 2.0 m and upto 2.5 m	Nos.	18.00	27,699.35	498,588.30	0.25	84,876.00	1,527,768.00	30,023.28	540,419.04	0.22	8.39	41,830.74
iii	for depth > 2.5 m and upto 3.0 m	Nos.	7.00	30,810.85	215,675.95	0.11	93,124.00	651,868.00	33,359.20	233,514.40	0.09	8.27	17,838.45
iv	for depth > 3.0 m and upto 3.5 m	Nos.	7.00	33,922.35	237,456.45	0.12	101,371.00	709,597.00	36,965.60	258,759.20	0.10	8.97	21,302.75
28	Providing and constructing of RCC M-20 grade cast-in-situ circular manholes of "Type-E" with internal dia 1.50m and depth upto 3.50m having 150 mm thick RCC M-20 wall, including 350 mm thick RCC M-20 grade base slab (foundation), PCC M15 for benching and					0.00			0.00	0.00	0.00		0.00
i	for depth > 2.0 m and upto 2.5 m	Nos.	46.00	29,571.55	1,360,291.30	0.67	91,394.00	4,204,124.00	32,006.80	1,472,312.80	0.60	8.24	112,021.50
ii	for depth > 2.5 m and upto 3.0 m	Nos.	2.00	32,861.05	65,722.10	0.03	99,641.00	199,282.00	35,613.20	71,226.40	0.03	8.38	5,504.30

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
29	Providing and constructing of RCC M-20 grade cast-in-situ circular manholes of "Type-F" with internal dia 1.4m and depth upto 8.0m (2.0 in conical shape) having 150 mm thick RCC M-20 wall, including 350 mm thick RCC M-20 grade base slab (foundation), PCC					0.00			0.00	0.00	0.00		0.00
i	for depth > 4.0 m and upto 4.5 m	Nos.	3.00	33,301.65	99,904.95	0.05	117,866.00	353,598.00	36,064.00	108,192.00	0.04	8.29	8,287.05
ii	for depth > 5.0 m and upto 5.50 m	Nos.	8.00	40,102.65	320,821.20	0.16	134,361.00	1,074,888.00	43,276.80	346,214.40	0.14	7.92	25,393.20
iii	for depth > 6.50 m and upto 7.00 m	Nos.	5.00	50,304.15	251,520.75	0.12	159,103.00	795,515.00	54,546.80	272,734.00	0.11	8.43	21,213.25
30	Providing and constructing of RCC M-20 grade cast-in-situ circular manholes of "Type-F" with internal dia 1.55m and depth upto 8.0m (2.0 in conical shape) having 150 mm thick RCC M-20 wall, including 350 mm thick RCC M-20 grade base slab (foundation), PCC					0.00			0.00	0.00	0.00		0.00
i	for depth > 3.5 m and upto 4.0 m	Nos.	27.00	32,476.70	876,870.90	0.43	118,626.00	3,202,902.00	35,162.40	949,384.80	0.38	8.27	72,513.90
ii	for depth > 4.0 m and upto 4.5 m	Nos.	11.00	36,215.70	398,372.70	0.20	127,736.00	1,405,096.00	39,219.60	431,415.60	0.17	8.29	33,042.90
31	Providing and constructing of RCC M-20 grade cast-in-situ circular manholes of "Type-F" with internal dia 1.75m and depth upto 8.0m (2.0 in conical shape) having 150 mm thick RCC M-20 wall, including 350 mm thick RCC M-20 grade base slab (foundation), PCC					0.00			0.00	0.00	0.00		0.00
i	for depth > 3.5 m and upto 4.0 m	Nos.	28.00	36,222.60	1,014,232.80	0.50	129,915.00	3,637,620.00	38,768.80	1,085,526.40	0.44	7.03	71,293.60
	Miscellaneous Works					0.00			0.00	0.00	0.00		0.00
32	Providing at site, lowering & laying in trenches, aligning & jointing of uPVC pipes of class III (6 kg/ cm2) as per IS: 4985 and as per specification with rubber ring with socket and spigot joint, (EPDM/SBR) for all depths including well graded granular b					0.00			0.00	0.00	0.00		0.00
i	160 mm Dia (OD)		2,395.00	503.00	1,204,685.00	0.59	673.00	1,611,835.00	540.96	1,295,599.20	0.52	7.55	90,914.20
ii	110 mm Dia (OD)		45,513.00	281.00	12,789,153.00	6.29	381.00	17,340,453.00	247.94	11,284,493.22	4.57	-11.77	-1,504,659.78
33	Construction of road side inspection chamber of "Type-A" with internal dia 450mm and depth of 900mm with 200 mm thick PCC M10 in foundation, 75mm thick PCC M15 flooring in slop, 230mm thick RR stone masonry in CM (1:4), 20mm thick inside and outside plast					0.00			0.00	0.00	0.00		0.00
i	With RR stone masonry wall 300mm thick	Nos.	15.00	4,637.00	69,555.00	0.03	19,360.00	290,400.00	5,409.60	81,144.00	0.03	16.66	11,589.00
34	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	Nos.	1,711.00	1,578.00	2,699,958.00	1.33	3,566.00	6,101,426.00	2,254.00	3,856,594.00	1.56	42.84	1,156,636.00
35	Providing, fixing and erecting precast RCC (M20) Vent shaft with cowl, 125mm and 225mm internal and external dia respectively at top, 300mm and 450mm internal and external dia at bottom and 9.0m over all length, bottom 1.175m below ground level fixed	No	38.00	26,724.00	1,015,512.00	0.50	35,660.00	1,355,080.00	33,810.00	1,284,780.00	0.52	26.52	269,268.00
36	Providing uPVC (class-III) drop connection externally upto 1m drop from branch sewer line to main sewer manhole including inspection and cleaning eye, uPVC drop pipe and bend encased around with cement concrete M15 (1:2:4) with all form work required, cu					0.00			0.00	0.00	0.00		0.00
i	160mm dia	Nos.	3.00	4,570.00	13,710.00	0.01	44,575.00	133,725.00	6,762.00	20,286.00	0.01	47.96	6,576.00
	Total of Part 'A'				153,081,333.76	75.32		302,237,614.00		184,552,943.48	74.74	20.56	31,471,609.72
	Bill of Quantities : Part 'B1' - Pre-treatment Units of ST P					0.00				0.00	0.00		0.00
	Designing, Construction of civil works in all respect, providing, installing and commissioning of all mechanical, instrumentation & electrical equipments along with accessories/ equipments required for units of pre-treatment of the plant in all respect.					0.00				0.00	0.00		0.00
	(A) DESIGN					0.00				0.00	0.00		0.00
1	Detailed designing and drawing (civil/ mechanical/ instrumentation/ electrical) of all units (pretreatment)	Lot	Lot		4,000,000.00	1.97	891,500.00	891,500.00	465,500.00	465,500.00			-3,534,500.00
	(B) CIVIL WORK									0.00	0.00		0.00
2	Inlet Chamber	Lot	Lot				98,065.00	98,065.00	69,825.00	69,825.00			69,825.00
3	Channel for Coarse Screen	Lot	Lot				383,345.00	383,345.00	139,650.00	139,650.00			139,650.00
4	Raw Sewage Sump	Lot	Lot				2,787,865.00	2,787,865.00	418,950.00	418,950.00			418,950.00
5	Distribution Chambers & Fine Screens	Lot	Lot				748,147.00	748,147.00	279,300.00	279,300.00			279,300.00
6	Grit Removal Chambers	Lot	Lot				899,006.00	899,006.00	139,650.00	139,650.00			139,650.00
7	Outlet Channel, Flow Measurement & Distribution Chambers	Lot	Lot				893,640.00	893,640.00	279,300.00	279,300.00			279,300.00
8	Any additional work required to complete the full unit operational	Lot	Lot				0.00	0.00	0.00	0.00			0.00
	SubTotal				4,000,000.00	1.97		6,701,568.00		1,792,175.00	0.73	-55.20	-2,207,825.00
	(C) MECHANICAL, ELECTRICAL & INSTALLATION WORK (Supply, Erection, Testing, Commissioning of all mechanical/electrical/ instrumentation equipments/ motors includes MCC with all hardwares, cables, LPB's)					0.00				0.00	0.00		0.00
9	Manually Raked Coarse Bar Screen	Lot	Lot		65,000.00	0.03	258,535.00	258,535.00	186,200.00	186,200.00	0.08	186.46	121,200.00

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6=4 x 5								
10	Pumping Sets (5 Nos.)	Lot	Lot	600,000.00	600,000.00	0.30	3,913,685.00	3,913,685.00	2,048,200.00	2,048,200.00	0.83	241.37	1,448,200.00
11	Mechanically Cleaned Fine Screens (2 Nos.)	Lot	Lot	1,500,000.00	1,500,000.00	0.74	4,067,023.00	4,067,023.00	2,048,200.00	2,048,200.00	0.83	36.55	548,200.00
12	Grit Removal System (2 Nos)	Lot	Lot	1,300,000.00	1,300,000.00	0.64	3,467,935.00	3,467,935.00	2,327,500.00	2,327,500.00	0.94	79.04	1,027,500.00
13	Stand Bye DG Set 80 KVA with AMF Panel to acoustic enclosure	1	No	400,000.00	400,000.00	0.20	4,049,193.00	4,049,193.00	418,950.00	418,950.00	0.17	4.74	18,950.00
14	Control Panel (MCC) for all units	Lot	Lot	500,000.00	500,000.00	0.25	1,515,550.00	1,515,550.00	418,950.00	418,950.00	0.17	-16.21	-81,050.00
15	Ultrasonic open channel type Flow Meter	1	No	100,000.00	100,000.00	0.05	486,759.00	486,759.00	148,960.00	148,960.00	0.06	48.96	48,960.00
16	Any other items as per specification as required for completion of the work	Lot	Lot			0.00	0.00	0.00	349,125.00	349,125.00	0.14		349,125.00
	Total Part'B-1'				8,465,000.00	4.17		24,460,248.00	0.00	9,738,260.00	3.94	15.04	1,273,260.00
	Bill of Quantities : Part 'B2' - Civil works of Stabilization Ponds					0.00		0.00	0.00	0.00	0.00		0.00
17	Cleaning grass and removal of rubbish (maximum 150 mm) by manual means and disposal at a lead of 50 metres as per MoRT&H specification clause 201	hectare	10.00	5,436.00	54,360.00	0.03	106,980.00	1,069,800.00	698.25	6,982.50	0.00	-87.16	-47,377.50
18	Earth work in excavation including trimming bottom and side slopes in accordance with requirements of line, grades and cross sections including disposal of surplus material with all lift and lead upto 100m including loading, unloading and all lifts, in	Cum	115,000.00	58.00	6,670,000.00	3.28	152.00	17,480,000.00	46.55	5,353,250.00	2.17	-19.74	-1,316,750.00
19	Construction of embankment with approved materials deposited at site available from cutting and excavation from drain and foundation etc, compacting laying of graded soil in layers not exceeding 250mm (loose thickness) in required side slope, ramming etc	Cum	110,000.00	62.00	6,820,000.00	3.36	152.00	16,720,000.00	60.52	6,656,650.00	2.70	-2.40	-163,350.00
20	Turfing slopes of new banks with rough grassing including preparation of ground by loosening soil with kassi , flooding with water, rough dressing, fine dressing, supplying and spreading farm yard manure at the rate of .18 cum per 100 Sqm and supplying an	SqM	9,500.00	15.00	142,500.00	0.07	275.00	2,612,500.00	15.83	150,356.50	0.06	5.51	7,856.50
21	Earthwork in excavation in foundation trenches manholes, road side chambers or drains etc including dressing of sides and ramming of bottoms including taking out the excavated soil and depositing and refilling after laying pipe/ foundation with watering a					0.00		0.00	0.00	0.00	0.00		0.00
a	depth up to 1.5m from NGL	Cum	1,050.00	69.00	72,450.00	0.04	178.00	186,900.00	74.48	78,204.00	0.03	7.94	5,754.00
b	depth 1.5m to 3.0m from NGL	Cum	500.00	79.00	39,500.00	0.02	196.00	98,000.00	93.10	46,550.00	0.02	17.85	7,050.00
c	depth 3.0m to 4.5m from NGL	Cum	50.00	101.00	5,050.00	0.00	214.00	10,700.00	167.58	8,379.00	0.00	65.92	3,329.00
22	150 cm high fencing of precast RC post of 15cm x 15cm tapered to 10 cm x 10 cm at top placed at every 3 m apart 30 cm in ground embedded in cement concrete 1:3:6 (30 x30x45 cm) corner and every 10 th post to be strutted with same RC post provided with six	RM	3,500.00	125.00	437,500.00	0.22	669.00	2,341,500.00	232.75	814,625.00	0.33	86.20	377,125.00
23	Providing and laying in position cement concrete including curing,compaction etc. complete in specified grade excluding the cost of centring and shuttering, all work up to the plinth level using M-10 grade mix 1:3:6 (1 cement : 3 course sand : 6 graded s	Cum	100.00	2,428.70	242,870.00	0.12	3,472.00	347,200.00	2,793.00	279,300.00	0.11	15.00	36,430.00
24	PCC Lining :Providing and laying in position cement concrete including curing compaction etc complete on side slope or bottom of anaerobic and facultative ponds.					0.00			0.00	0.00	0.00		0.00
i	in M-10 Grade 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 20mm nominal size)	CuM	1,500.00	2,428.70	3,643,050.00	1.79	3,472.00	5,208,000.00	2,793.00	4,189,500.00	1.70	15.00	546,450.00
ii	in M-15 Grade 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 20mm nominal size)	CuM	1,500.00	2,888.95	4,333,425.00	2.13	4,687.00	7,030,500.00	3,258.50	4,887,750.00	1.98	12.79	554,325.00
25	Providing and laying specific grade of plain cement concrete including curing, compaction,finshing with rendering in cement sand mortar 1:3 (1: cement :3 Coarse sand) making good joints excluding the cost of centring, shuttering and reinforcement, all wor	Cum	7.00	2,888.95	20,222.65	0.01	5,935.00	41,545.00	3,724.00	26,068.00	0.01	28.90	5,845.35
26	Reinforced cement concrete work in beams, suspended floors, roofs, girders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plane window sills, staircase and spiral stair case up to floor three level including curing compac	Cum	20.00	3,341.60	66,832.00	0.03	5,727.00	114,540.00	4,096.40	81,928.00	0.03	22.59	15,096.00
27	Providing and laying specific grade of reinforced cement concrete including curing, compaction,finshing with rendering in cement sand mortar 1:3 (1: cement :3 Coarse sand) making good joints excluding the cost of centring, shuttering and reinforcement, a	Cum	50.00	3,399.20	169,960.00	0.08	6,618.00	330,900.00	4,282.60	214,130.00	0.09	25.99	44,170.00
28	Reinforced concrete work in walls (any thickness)including pilasters, buttersesses,columns, pillars, abutment, posts and struts etc up to floor three level specific grade of reinforced cement concrete including curing, compction,finshing with rendering in	Cum	50.00	3,596.40	179,820.00	0.09	7,046.00	352,300.00	4,468.80	223,440.00	0.09	24.26	43,620.00

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
29	Reinforced cement concrete work in beams, suspended floors, roofs, girders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plane window sills, staircase and spiral stair case up to floor three level including curing compac	Cum	25.00	3,399.20	84,980.00	0.04	7,046.00	176,150.00	4,655.00	116,375.00	0.05	36.94	31,395.00
30	Centering and Shuttering with plywood or stell sheets including strutting,propping,bracing bothways and removal of formwork for foundations in basements rafts,footings,strap beams,bases of columns,etc upto plinth level.	SqM	50.00	104.80	5,240.00	0.00	446.00	22,300.00	121.03	6,051.50	0.00	15.49	811.50
31	Centering and Shuttering with plywood or stell sheets including strutting,propping,bracing bothways and removal of formwork for superstructure up to 4.5M above plinth for:				0.00	0.00		0.00	0.00	0.00	0.00		0.00
a	for member such as walls	SqM	400.00	171.55	68,620.00	0.03	446.00	178,400.00	167.58	67,032.00	0.03	-2.31	-1,588.00
b	for suspended floors, roofs, lintel, beams etc	SqM	630.00	172.50	108,675.00	0.05	446.00	280,980.00	186.20	117,306.00	0.05	7.94	8,631.00
32	Providing & fabricating steel reinforcement for R.C.C.work at all levels including straightening, cutting,bending,placing in position and bending complete including cost of binding wire etc complete . (Thermo mechanically treated bars)	Kg	15,000.00	42.25	633,750.00	0.31	98.00	1,470,000.00	74.48	1,117,200.00	0.45	76.28	483,450.00
33	Random rubble masonry for foundation & plinth in cement sand mortar 1:6 (1cement : 6sand) for above 30cm thickness of wall	Cum	430.00	1,756.85	755,445.50	0.37	3,039.00	1,306,770.00	2,234.40	960,792.00	0.39	27.18	205,346.50
34	Random Rubble Stone Masonary for super structure upto 4.5m height above plinth level in cement sand mortar 1:6 (1cement : 6sand) for above 30cm thick walls	Cum	65.00	1,889.95	122,846.75	0.06	3,218.00	209,170.00	2,327.50	151,287.50	0.06	23.15	28,440.75
35	Add extra cost for item 34 for coarse rubble facing first sort as per detailed specifications including additional cost of stones.	Cum	30.00	226.00	6,780.00	0.00	1,783.00	53,490.00	279.30	8,379.00	0.00	23.58	1,599.00
36	Random Rubble Stone masonry up to 30cm thick walls in cement mortar of 1:6 (1cement : 6sand)	cum	10.00	1,889.95	18,899.50	0.01	3,039.00	30,390.00	2,420.60	24,206.00	0.01	28.08	5,306.50
37	Half brick masonry in superstructure up to third story using brick of designation 75 in in cement mortar 1:6 (1cement : 4sand)	SqM	10.00	272.10	2,721.00	0.00	713.00	7,130.00	209.48	2,094.75	0.00	-23.02	-626.25
38	Providing and applying 12mm thick plaster in a single coat of cement mortar in 1:4 and finished smooth including, raking of joints, scaffolding, curing, etc. complete.	SqM	185.00	96.80	17,908.00	0.01	267.00	49,395.00	83.79	15,501.15	0.01	-13.44	-2,406.85
39	Pointing on stone masonry in cement sand mortar 1:3 (1cement : 3 sand) for Raised and cut pointing.	SqM	175.00	107.40	18,795.00	0.01	178.00	31,150.00	111.72	19,551.00	0.01	4.02	756.00
40	Providing and fixing CI Foot rests	Nos.	50.00	100.00	5,000.00	0.00	441.00	22,050.00	279.30	13,965.00	0.01	179.30	8,965.00
41	Providing and injection Chloropyrious Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti-termite treatment as per IS:6313 part-III 1971 as amended from time to time and creating a contineous chemical barrier under and around	Sqm	145.00	156.00	22,620.00	0.01	107.00	15,515.00	418.95	60,747.75	0.02	168.56	38,127.75
42	Providing and Laying Chequerred terrazo tiles of approved make 22 mm thick with marble chips of size upto 6 mm , in floors, jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete in all resp	Sqm	45.00	492.25	22,151.25	0.01	1,159.00	52,155.00	418.95	18,852.75	0.01	-14.89	-3,298.50
43	Precast Terrazzo tiles of approved make 20mm thick with marble chips of size upto 6mm laid in floors, and landing jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete on 30mm thick CM	SqM	125.00	492.25	61,531.25	0.03	1,248.00	156,000.00	372.40	46,550.00	0.02	-24.35	-14,981.25
44	Providing and fixing first quality standard white / ivory glazed tiles ISI marked (IS 15622) of size 300mm x 300mm in walls , floors, steps, pillars etc laid on a bed of neat cement slurry finished with flushed pointing in white cement mixed with pigment	SqM	52.00	746.05	38,794.60	0.02	981.00	51,012.00	488.78	25,416.30	0.01	-34.48	-13,378.30
45	Polished Blue Kota Stone flooring skirting, laid over 20 mm thick base of C M 1:4 and jointed with grey cement slurry to match the shade of the slab including rubbing and polishing complete:for area of each slab upto 900 sq.m 25mm thick slab	SqM	10.00	667.90	6,679.00	0.00	981.00	9,810.00	349.13	3,491.25	0.00	-47.73	-3,187.75
46	Providing & laying lime terrace on roof of ground floor including lime batta (gola) 75mm and sandla complete (JODHPUR PRACTICE) for average thickness of 150 mm.	Sqm	135.00	276.00	37,260.00	0.02	981.00	132,435.00	279.30	37,705.50	0.02	1.20	445.50
47	Distempering with dry distemper of approved brand and shade (two or more coats) and of required shade on new work, over and including priming coat of whitening to give an even shade including all scaffolding.	Sqm	180.00	31.00	5,580.00	0.00	107.00	19,260.00	41.90	7,541.10	0.00	35.15	1,961.10
48	Providing and applying two coats of enamel paint of approved brand and shade over a coat of primer to give a uniform shade including preparing the surface and make it smooth by filling up and sanding etc. complete.	Sqm	40.00	38.05	1,522.00	0.00	107.00	4,280.00	46.55	1,862.00	0.00	22.34	340.00
49	Finishing wall with water proofing cement painting of approved brand and manufacture and of required shade on new work(three or more coats) to give an even shade including all scaffolding.	Sqm	260.00	30.45	7,917.00	0.00	80.00	20,800.00	37.24	9,682.40	0.00	22.30	1,765.40
50	Providing colour washing of all shades to give even shade including all scaffolding: with two or more coats with a base coat of whitening	Sqm	150.00	7.55	1,132.50	0.00	80.00	12,000.00	18.62	2,793.00	0.00	146.62	1,660.50

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
51	Providing and fixing T-iron/ angle iron frames for doors, windows and ventilators or mild steel tee or angle sections joint mitred and welded with 15x3mm lugs, 10cm long embedded in cement concrete blocks 15x10x10cm size of 1:3:6(1 cement:3 coarse and: 6	Kg	480.00	51.05	24,504.00	0.01	134.00	64,320.00	93.10	44,688.00	0.02	82.37	20,184.00
52	Providing and fixing external grade board , solid core commercial block board single leaf flush door shutters conforming to IS:2202-67 using phenol formal dehydreresin glue both sides with approved steel fittings complete as following for: 40mm Thick(De	sqm	25.00	1,408.00	35,200.00	0.02	3,031.00	75,775.00	1,117.20	27,930.00	0.01	-20.65	-7,270.00
53	Providing and fixing steel glazed doors, windows and ventilator shutters of standard roled steel section joints mitred and welded with steel lugs 15 x 3mm, 10 cm. long embedded in cement concrete block 15 x 10 x 10 cm. of 1:3:6 (1 cement : 3 coarse sand :					0.00			0.00	0.00	0.00		0.00
a	Partly fixed and partly openable (fixed area not to exceed 33%)	SqM	5.00	834.00	4,170.00	0.00	3,923.00	19,615.00	2,048.20	10,241.00	0.00	145.59	6,071.00
b	Providing and fixing steel glazed window side hung (openable)	Sqm	22.00	890.00	19,580.00	0.01	4,101.00	90,222.00	2,327.50	51,205.00	0.02	161.52	31,625.00
54	Providing and fixing Square bars or other flat welded to window, ventilators etc.	Kg	180.00	40.00	7,200.00	0.00	134.00	24,120.00	83.79	15,082.20	0.01	109.48	7,882.20
55	Supplying and fixing fixed wire gauge of 14 mesh x 24 gauge to the metal frame of rolled section by metal beading 20 x 3 mm with suitable screw at not exceeding 150 mm distance	SqM	23.00	285.00	6,555.00	0.00	3,566.00	82,018.00	502.74	11,563.02	0.00	76.40	5,008.02
56	Providing & fixing PVC storage tank conforming to IS(12701 marked indicating BIS license number) standards of approved make with cover, 25mm dia 1m long G.I. overflow pipe & 25cm long wash out pipe with plug & socket, including making connection etc. compl	Nos.	1.00	9,300.00	9,300.00	0.00	24,962.00	24,962.00	27,930.00	27,930.00	0.01	200.32	18,630.00
57	Providing and fixing Gunmetal gate valve with CI wheel of approved make, complete (Swcrewed end)					0.00			0.00	0.00	0.00		0.00
a	20mm dia	Nos.	1.00	200.00	200.00	0.00	624.00	624.00	698.25	698.25	0.00	249.13	498.25
b	25mm dia	Nos.	1.00	297.40	297.40	0.00	713.00	713.00	931.00	931.00	0.00	213.05	633.60
58	Providing and fixing G.I. pipes(Internal Work) with GI fittings(IS:1239 Mark) & MS clamps, including cutting and making good the walls and floors: 'B' Class for 15mm dia nominal bore	RM	20.00	108.80	2,176.00	0.00	232.00	4,640.00	167.58	3,351.60	0.00	54.03	1,175.60
59	Providing and fixing 'B' Class G.I. Pipes (External Work) with GI fittings(IS:1239 Mark) including trenching & refilling earth work.					0.00			0.00	0.00	0.00		0.00
a	20 mm dia nominal bore	RM	10.00	112.40	1,124.00	0.00	267.00	2,670.00	209.48	2,094.75	0.00	86.37	970.75
b	25mm dia nominal bore	RM	10.00	151.75	1,517.50	0.00	357.00	3,570.00	279.30	2,793.00	0.00	84.05	1,275.50
60	P & F WVC wash basin 1st quality of approved make with C.I. brackets duly painted, 1 No. 15mm C.P. brass Pillar cock & 32 mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the wall wherever requir	Nos.	1.00	1,127.40	1,127.40	0.00	4,458.00	4,458.00	16,758.00	16,758.00	0.01	1,386.43	15,630.60
61	Providing and fixing brass bib cock of approved make including necessary fittings etc complete : 15mm dia nominal bore	Nos.	4.00	282.00	1,128.00	0.00	1,337.00	5,348.00	558.60	2,234.40	0.00	98.09	1,106.40
62	P & F Beveled edge Mirror of special glass of approved make(Atul/equivalent)complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws & washers complete : Size 600x450mmx4mm thick.	Nos.	1.00	512.30	512.30	0.00	892.00	892.00	6,982.50	6,982.50	0.00	1,262.97	6,470.20
63	Providing & Fixing PTMT Towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour : 600 mm long with total length of 645 mm, width 78 mm and effective height of 88 mm.	Nos.	1.00	340.65	340.65	0.00	357.00	357.00	1,396.50	1,396.50	0.00	309.95	1,055.85
64	Providing and fixing Indian type white glazed vitreous china 1st quality %Rissa type+ Water Closet pan 580 mm x 440 mm in size with 100mm dia vitreous chaina P or S trap, 10 lit low level PVC flushing cistern with manually controlled device (handle lev	Nos.	1.00	2,463.45	2,463.45	0.00	5,706.00	5,706.00	8,379.00	8,379.00	0.00	240.13	5,915.55
65	Providing and fixing 1st quality white WVC flat back type urinals of 430x350x260mm size with automatic flusing cistern with standard flush pipe and CP brass spreaders with brass unions and GI clamps complete includingpainting of fittings and brackets, cu	Nos.	1.00	3,634.65	3,634.65	0.00	6,241.00	6,241.00	6,982.50	6,982.50	0.00	92.11	3,347.85
66	Providing and fixing Urinal Partition slab both sides polished of approved design cut from marble size 900 x 600mm of Markana 'Adanga' or Raj Nagar 1st quality white or Andhi Indo-italian marble.	Nos.	1.00	425.00	425.00	0.00	2,675.00	2,675.00	8,379.00	8,379.00	0.00	1,871.53	7,954.00
67	Costruction of Soackage Pit 2.5m dia, 3.0 m deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and SW drain pipe 100 mm dia, 1.8 m long complete as per standard design. :	Nos.	1.00	8,751.25	8,751.25	0.00	78,731.00	78,731.00	37,240.00	37,240.00	0.02	325.54	28,488.75
68	Providing and fixing rigid PVC pipe(IS:4985 mark) class II (4Kg/Cm2) approved quality/make including jointing the pipe with rubber ring and lubricant of 110mm dia.(Rain water pipe)	RM	32.00	180.00	5,760.00	0.00	241.00	7,712.00	418.95	13,406.40	0.01	132.75	7,646.40

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest of Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
69	P & F Lab sink of approved make with C.I. brackets duly painted 40mm C.P.Wastes coupling, C.P.Brass chain with rubber plug,40mm G.I. waste pipe upto floor level complete including cutting and making good the wall and floor . WVC Lab sink(IS.2556 mark) size	Nos.	2.00	2,146.85	4,293.30	0.00	8,024.00	16,048.00	9,310.00	18,620.00	0.01	333.70	14,326.70
70	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc as required. : in grating, frames, guard bar, ladder, railings, brackets, g	Kg	1,500.00	54.85	82,275.00	0.04	134.00	201,000.00	83.79	125,685.00	0.05	52.76	43,410.00
71	Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1m deep dug in the ground, mixing the soil with decayed farm yard/ sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the pla		75.00	622.00	46,650.00	0.02	2,140.00	160,500.00	279.30	20,947.50	0.01	-55.10	-25,702.50
72	Planting tress as compensatory afforestation at the rate of 290 trees per hectare at a spacing of 6m by grubbing and levelling the ground upto a depth of 150 mm, digging holes 0.9 m dia, 1 m deep, mixing farm yard/ sludge manure with soil, planting of sap	Per 10 SqM	500.00	107.45	53,725.00	0.03	1,783.00	891,500.00	139.65	69,825.00	0.03	29.97	16,100.00
73	Providing, laying, spreading (with paver finisher only) and compacting wet mix macadam (WMM) base course comprising of graded stone aggregate and granular material conforming to MORT&H specifications (Table 400-II) in layers of equal compacted thickness e	CuM	937.50	1,160.00	1,087,500.00	0.54	1,347.00	1,262,812.50	1,396.50	1,309,218.75	0.53	20.39	221,718.75
74	Providing and applying primer coat over prepared surface of granular base with bitumem emulsion as per IS:8887 and approved quality @ .75 kg/sqm with the help of spray set fitted on bitumen container (boiler) after cleaning the surface including removing	SqM	3,750.00	23.50	88,125.00	0.04	58.00	217,500.00	37.24	139,650.00	0.06	58.47	51,525.00
75	Providing and applying tack coat over prepared surface with bitumem emulsion as per IS:8887 and approved quality @0.225 kg/sqm with the help of spray set fitted on bitumen container (boiler) after cleaning the surface with brooms or soft brushes and fina	SqM	3,750.00	7.55	28,312.50	0.01	17.00	63,750.00	13.97	52,368.75	0.02	84.97	24,056.25
76	Providing and laying open graded premix carpet 20 mm thick(compacted) on prepared surface in a single course as wearing course, composed of specified graded crushed stone aggregate as per Table 500-23, premixed with bituminous binder @14.60 Kg/10 SqM (i	SqM	3,750.00	82.00	307,500.00	0.15	160.00	600,000.00	121.03	453,862.50	0.18	47.60	146,362.50
77	Providing and applying premixed seal coat Type "B" comprising of thin application of fine aggregate 0.06 CuM/ 10 SqM premix with bitumen binder @ 6.8 Kg/10 SqM (including cost of anti stripping compound wherever required) laying with paver finisher with e	SqM	3,750.00	33.00	123,750.00	0.06	71.00	266,250.00	46.55	174,562.50	0.07	41.06	50,812.50
78	Supply and installation of 2m high, 75x75 mm chain link fencing along with a 1 m wide padlockable gate, around the transformers/structure including 65x65x6 mm vertical angle supports, at about 1 m spacing, founded 600 mm in ground with concrete grouting.	Each	2.00	12,000.00	24,000.00	0.01	89,150.00	178,300.00	13,965.00	27,930.00	0.01	16.38	3,930.00
	Total Part'B-2'				26,934,485.40	13.25		62,618,056.50		28,544,432.07	11.56	5.98	1,609,946.67
	Bill of Quantities : Part 'B3' - Mechanical Works of Stabilization Ponds					0.00				0.00	0.00		0.00
79	Providing and fixing as per AWWA C 501 or IS: 13349 Sluice Gates of following sizes including all taxes, freight, loading & unloading, fitting in position including cost of all labour, jointing material with nut bolts and giving satisfactory testing etc.					0.00				0.00	0.00		0.00
a	500 mm x 500 mm	Nos.	2.00	135,000.00	270,000.00	0.13	128,376.00	256,752.00	79,380.00	158,760.00	0.06	-41.20	-111,240.00
80	Providing, lowering, laying, aligning, fixing in position at all level/ depths CI Class - B double flanged pipes of standard length of 2.75m as per IS : 7181 in trenches complete (excluding jointing and jointing material) including all material, labour, t					0.00		0.00	0.00	0.00	0.00		0.00
a	500 mm internal dia	RM	750.00	10,925.00	8,193,750.00	4.03	25,319.00	18,989,250.00	14,112.00	10,584,000.00	4.29	29.17	2,390,250.00
81	Providing, lowering, laying, aligning, fixing in position at all level/ depths CI Class - B double flanged specials as per IS : 7181 in trenches complete (excluding jointing) including all material, labour, testing and commissioning along with pipe line a	Kg	1,500.00	53.00	79,500.00	0.04	123.00	184,500.00	66.15	99,225.00	0.04	24.81	19,725.00
82	Providing and laying in trenches and jointing G.I. Pipes complete with G.I. Fittings as per drawing					0.00	0.00	0.00	0.00	0.00	0.00		0.00
a	Class-B 25 mm diameter	RM	58.00	180.70	10,480.60	0.01	253.00	14,674.00	198.45	11,510.10	0.00	9.82	1,029.50
b	Class-B 32 mm diameter	RM	346.00	222.55	77,002.30	0.04	326.00	112,796.00	264.60	91,551.60	0.04	18.89	14,549.30
83	Providing and laying in trenches and jointing uPVC Pipes complete with uPVC Fittings of Class 3 (6kg/cm2 pressure) as per Drawing and specification complete 63 mm diameter	RM	3,308.00	110.00	363,880.00	0.18	178.00	588,824.00	79.38	262,589.04	0.11	-27.84	-101,290.96

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
84	Providing and fixing gun metal gate valve with CI wheel of approved quality (Screwed end) giving satisfactory hydraulic testing etc. complete and as directed by Engineer.				0.00	0.00		0.00	0.00	0.00	0.00		0.00
a	50 mm diameter PN-1.0	Nos.	9.00	602.35	5,421.15	0.00	3,299.00	29,691.00	1,587.60	14,288.40	0.01	163.57	8,867.25
b	32 mm diameter PN-1.0	Nos.	2.00	372.95	745.90	0.00	1,730.00	3,460.00	1,058.40	2,116.80	0.00	183.79	1,370.90
c	25 mm diameter PN-1.0	Nos.	54.00	297.40	16,059.60	0.01	1,355.00	73,170.00	661.50	35,721.00	0.01	122.43	19,661.40
85	Providing and fixing ISI mark gun metal valve non-return valve of approved quality (screwed end) and giving satisfactory hydraulic testing etc. complete and as directed by Engineer. 50 mm diameter PN (Vertical)	Nos.	4.00	882.75	3,531.00	0.00	4,012.00	16,048.00	661.50	2,646.00	0.00	-25.06	-885.00
86	Providing at site, lowering & laying in trenches, aligning & jointing of RCC pipes NP2 class (with s/s ends) as per IS 458:1988 (amended up to date) at all levels with rubber gaskets (EPDM/SBR) for sewer lines as per IS:5382 (including cost of rubbergasket)					0.00			0.00	0.00	0.00		0.00
a	700 mm internal dia	RM	700.00	1,458.00	1,020,600.00	0.50	3,767.00	2,636,900.00	2,840.04	1,988,028.00	0.81	94.79	967,428.00
b	1000 mm internal dia	RM	300.00	2,997.00	899,100.00	0.44	5,882.00	1,764,600.00	4,939.20	1,481,760.00	0.60	64.80	582,660.00
87	Providing granular bedding having width = outer dia of pipe(Bc) + 500 mm, thickness below pipe = .25 Bc or 100 mm (which ever is higher) and haunching = .5 Bc, with graded hard crusher broken stone of 100% passing through 20 mm sieve, 20 to 50% passing th					0.00		0.00	0.00	0.00	0.00		0.00
a	700 mm internal dia RCC pipe	RM	700.00	375.00	262,500.00	0.13	378.00	264,600.00	837.90	586,530.00	0.24	123.44	324,030.00
b	1000 mm internal dia RCC pipe	RM	300.00	622.00	186,600.00	0.09	428.00	128,400.00	1,764.00	529,200.00	0.21	183.60	342,600.00
	Total of Part 'B-3'				11,389,170.55	5.60		25,063,665.00		15,847,925.94	6.42	39.15	4,458,755.39
	Bill of Quantities : Part 'B4' - Electrical Works of Stabilization Ponds					0.00				0.00	0.00		0.00
88	Providing and laying in trench, on wall or surface, PVC insulated, PVC sheathed power cables of 1.1 kV aluminium conductor grade including fixing with wooden plugs as per approved spacing by means of screws & rag bolts, G.S. 'U' clamps etc. or steel spac					0.00				0.00	0.00		0.00
a	3.5Cx50 sq mm AYFY	RM	250.00	160.00	40,000.00	0.02	535.00	133,750.00	416.50	104,125.00	0.04	160.31	64,125.00
b	4Cx16 sq.mm. AYFY	RM	2,000.00	110.00	220,000.00	0.11	276.00	552,000.00	249.90	499,800.00	0.20	127.18	279,800.00
89	Providing and fixing tubular/bullet type cable terminal ends duly crimped with crimping tool including making cable ends ready for crimping and providing insulation tape with colour code etc. as required and as per technical specifications; all complete w					0.00		0.00	0.00	0.00	0.00		0.00
a	3.5Cx50 sq.mm. AYFY	Nos.	2.00	21.00	42.00	0.00	446.00	892.00	124.95	249.90	0.00	495.00	207.90
90	Supply and fixing Industrial Fluorescent fixture (including tube) with reflector fabricated from CRCA sheet steel and finished with stove enamel paint white on reflecting surface and gray on other surface complete with accessories like copper wound polyst	Nos.	20.00	950.00	19,000.00	0.01	2,675.00	53,500.00	1,874.25	37,485.00	0.02	97.29	18,485.00
91	Supply and fixing Industrial Fluorescent fixture (including tube) with reflector fabricated from CRCA sheet steel and finished with stove enamel paint white on reflecting surface and gray on other surface complete with accessories like copper wound polyst	Nos.	5.00	715.00	3,575.00	0.00	2,229.00	11,145.00	1,249.50	6,247.50	0.00	74.76	2,672.50
92	Supply and fixing of bulkhead fitting including lamp, brass/porcelain bracket holderof approved quality suitable for 40W lamp complete with making connection as required; all complete works	Nos.	2.00	300.00	600.00	0.00	838.00	1,676.00	499.80	999.60	0.00	66.60	399.60
93	Supply and fixing Post Top Lantern type lighting fixture suitable for mounting on gate posts comprises a controlgear capsule diecast from LM6 aluminium alloy, copper wound polyster ballast, lamp holder and mains connector, rotational moulded diffuser of p	Nos.	2.00	2,340.00	4,680.00	0.00	5,706.00	11,412.00	3,748.50	7,497.00	0.00	60.19	2,817.00
94	Supply and erection of MS steel welded/sawaged tubular pole of 7.5mtr. height in position on M.S. base plate of size 400mmx400mmx6mm including excavation of pit and filling the same with cement concrete of 1:3:6 from the bottom of the pole and upto 50cms	Nos.	50.00	3,000.00	150,000.00	0.07	23,179.00	1,158,950.00	8,330.00	416,500.00	0.17	177.67	266,500.00
95	Supply and fixing of 18 SWG sheet metal junction box of 200x250x75 mm size comprises of TPN terminal block, door with gasket, IP55 protection with all necessary mounting arrangement on the pole including braket, bolt and painting with red oxide primer and	Nos.	50.00	450.00	22,500.00	0.01	1,605.00	80,250.00	916.30	45,815.00	0.02	103.62	23,315.00
96	Providing fixing weather proof street light luminair in position suitable for 1x70 W HPSV lamp with integrate control gear comprising heavy duty copper wound ballast, condensor, electric ignitor and porcelain terminal block prewired with PVC wire with cop	Nos.	50.00	2,700.00	135,000.00	0.07	5,884.00	294,200.00	3,748.50	187,425.00	0.08	38.83	52,425.00
97	P&F double ball bearing capacitor start ceiling fan of approved make complete with regulator and other accessories as required . (1200 mm sweep)	Nos.	7.00	1,203.00	8,421.00	0.00	2,229.00	15,603.00	1,874.25	13,119.75	0.01	55.80	4,698.75

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
98	P & F of heavy duty capacitor start 900/ 1400 rpm single phase ISI marked exhaust fan, IS:2312 marked in existing opening including making connections testing etc as required. (300 mm sweep)	Nos.	4.00	1,831.00	7,324.00	0.00	4,992.00	19,968.00	3,748.50	14,994.00	0.01	104.72	7,670.00
99	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated unsheathed 1.1 kV grade flexible copper conductor cable and 1.5 sqmm FR PVC insulated copper earth conductor (IS:694) of approved make in double lock/ IS				0.00	0.00		0.00	0.00	0.00	0.00		0.00
a)	Short Point (up to 3 M)	Nos.	10.00	170.00	1,700.00	0.00	535.00	5,350.00	437.33	4,373.25	0.00	157.25	2,673.25
b)	Medium Point (up to 6 M)	Nos.	19.00	282.20	5,361.80	0.00	981.00	18,639.00	562.28	10,683.23	0.00	99.25	5,321.43
c)	Long Point (up to 10 M)	Nos.	28.00	394.40	11,043.20	0.01	1,605.00	44,940.00	749.70	20,991.60	0.01	90.09	9,948.40
100	Wiring of 3 pin 6 amp light plug point with 1.5 sqmm FR PVC insulated unsheathed 1.1 kV grade flexible copper conductor and 1.0 sqmm FR PVC insulated unsheathed 1.1 KV grade copper earth conductor (IS:694) of approved make double lock/ ISI marked single l				0.00	0.00		0.00	0.00	0.00	0.00		0.00
a)	Short Point (up to 3 M)	Nos.	3.00	221.00	663.00	0.00	624.00	1,872.00	458.15	1,374.45	0.00	107.31	711.45
b)	Medium Point (up to 6 M)	Nos.	5.00	333.20	1,666.00	0.00	1,070.00	5,350.00	583.10	2,915.50	0.00	75.00	1,249.50
c)	Long Point (up to 10 M)	Nos.	2.00	445.40	890.80	0.00	1,694.00	3,388.00	833.00	1,666.00	0.00	87.02	775.20
101	Supply, laying and fixing earth conductor buried in ground outside the operator room and bonding it to buried earth grid of substation including making connections by welding/bolting etc., as per technical specifications; all complete works.	RM	110.00	90.00	9,900.00	0.00	267.00	29,370.00	312.38	34,361.25	0.01	247.08	24,461.25
102	Supply, laying and fixing earth conductor above ground inside the operator room and bonding it to buried earth grid outside the operator room including making connections by welding/bolting etc., as per technical specifications; all complete works.	RM	60.00	90.00	5,400.00	0.00	303.00	18,180.00	374.85	22,491.00	0.01	316.50	17,091.00
103	Supply, laying and fixing earth strip tapes from Main LV Switchboard & Treated Sewage pump room Distribution Board in horizontal or vertical position, laid on wall, floor or trench including interconnection with main earth grid inside operator room and in	RM	10.00	90.00	900.00	0.00	196.00	1,960.00	249.90	2,499.00	0.00	177.67	1,599.00
104	Supply, laying and fixing earth conductor from LDB, street lighting pole, automatic screen panels, detriator panels and bonding the same to the main earth grid, laid on floor / wall / buried inground including lugging, crimping etc. as per technical speci	RM	4,000.00	31.00	124,000.00	0.06	71.00	284,000.00	124.95	499,800.00	0.20	303.06	375,800.00
105	Supply, laying and fixing of 8 swg earth conductor for small misc. electrical equipment pnl. Connection all complete works.	RM	50.00	8.00	400.00	0.00	18.00	900.00	24.99	1,249.50	0.00	212.38	849.50
106	Treated earthing pit with earth pipe made from heavy gauge GI Pipe 40 mm. Dia., 3 mtrs. long including all accessories and providing masonry enclosure with cover plate and watering pipe with funnel complete with alternate layers of salt and charcoal and c	Nos.	7.00	850.00	5,950.00	0.00	6,419.00	44,933.00	6,247.50	43,732.50	0.02	635.00	37,782.50
Total of Part 'B-4'					779,016.80	0.38		2,792,228.00		1,980,395.03	0.80	154.22	1,201,378.23
Bill of Quantities : Part 'B5' - Supply of Miscellaneous Items of STP						0.00				0.00	0.00		0.00
107	Providing steel frame office table of size(1220 X 762 X 762)mm having prelaminated on bothsides ,wood finish of 18/19 mm thick board ISI marked with drawers having plastic moulded handles with locks, 18 gauge 25 mm square tube, outer body of cabinet in 22	Nos.	7.00	2,000.00	14,000.00	0.01	8,915.00	62,405.00	3,577.00	25,039.00	0.01	78.85	11,039.00
108	providing office chairs made of steel frame of 1" X 14 " gauge pipe duly spray painted finish, with cane seat & back and arm rest made of durable quality teak wood & black polished, cane shall be of high tensile strenght(with full arm rest)	Nos.	12.00	500.00	6,000.00	0.00	2,675.00	32,100.00	2,146.20	25,754.40	0.01	329.24	19,754.40
109	Providing mild steel adjustable racks with slotted shelves(1.2 m wide X 2m high X 0.3 m deep) with minimum 6 shelves	Nos.	3.00	800.00	2,400.00	0.00	17,830.00	53,490.00	5,365.50	16,096.50	0.01	570.69	13,696.50
110	providing steel almirah of size 78 X 36 X 19 " with 4 fixed shelves making 5 compartments with out lockres with spary paint finish fitted with 3 way locking device with duplctie keys , doors and shelves in 20 gauges and rest of the things in 2 gauge	Nos.	2.00	5,000.00	10,000.00	0.00	26,745.00	53,490.00	7,869.40	15,738.80	0.01	57.39	5,738.80
111	Providing four drawer steel filing cabinet with locking arrangement of approved makes	Nos.	4.00	3,500.00	14,000.00	0.01	13,373.00	53,492.00	5,365.50	21,462.00	0.01	53.30	7,462.00
112	Providing and fixing wooden cabinet with sunmica top of 1.2 m height and 1 m wide and 2.5 m length with two shelves for laboratory as per drawing and specifications.	Nos.	2.00	6,000.00	12,000.00	0.01	35,660.00	71,320.00	8,584.80	17,169.60	0.01	43.08	5,169.60

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/2 M/S Ramky Infrastructure Ltd Hyderabad		2/2 M/S SMS Paryavaran Ltd		% of work	% Variation of Lowest from Engineer's Estimate	Difference of Net Amount to Estimated Amount in Rs.
				Unit Rate	Amount		Unit Rate	Amount	Negot - Discounted Rate	Nego. Discounted Amount			
1	2	3	4	5	6 = 4 x 5								
113	Supply of laboratory equipments and necessary chemicals and commissioning as per specifications and of approved make, as mentioned in Clause 6.4.17 Sec : VI Works Requirement of Bid Document in each set.	Set	1.00	50,000.00	50,000.00	0.02	534,900.00	534,900.00	321,930.00	321,930.00	0.13	543.86	271,930.00
114	Providing and installation of 20 mm diameter PVC flexible pipe for gardening, complete as per Specification	RM	250.00	30.00	7,500.00	0.00	267.00	66,750.00	64.39	16,096.50	0.01	114.62	8,596.50
115	Supply of Safety Equipments such as fire fighting equipment and tools and plants etc as specified and listed in Technical Specifications in each set.	Set	1.00	25,000.00	25,000.00	0.01	44,575.00	44,575.00	107,310.00	107,310.00	0.04	329.24	82,310.00
116	Supply of Fibre Glass Row Boat, with two no chapoops and two life jackets with each set as per Specification	Set	1.00	50,000.00	50,000.00	0.02	624,050.00	624,050.00	143,080.00	143,080.00	0.06	186.16	93,080.00
117	Providing, Arranging, Managing, Maintaining well furnished Site Office etc. as per Clause 85 of Section : VIII : Particular Condition of Contract of Bid Document with three tables, 10 chairs, two steel almirah, sufficient number of display boards, telepho	Per Month Per Office	30.00	10,000.00	300,000.00	0.15	44,575.00	1,337,250.00	35,770.00	1,073,100.00	0.43	257.70	773,100.00
118	Providing, Arranging, Managing, Maintaining well equipped Field Laboratory as per detail given in Clause 86 of Section: VIII Particular Condition of Contract of Bid Document and to the satisfaction of the Engineer, including Electrical, Water and other e	Per Month Per Lab	30.00	10,000.00	300,000.00	0.15	26,745.00	802,350.00	28,616.00	858,480.00	0.35	186.16	558,480.00
	Total of Part 'B-5'				790,900.00	0.39		3,736,172.00		2,641,256.80	1.07	233.96	1,850,356.80
	Bill of Quantities - Part 'C' - O & M of Stabilization Ponds					0.00		0.00		0.00	0.00		0.00
1	Operation and Maintenance of Sewage Treatment Plant (Stabilized Pond), Lab and other facilities, including cost of replacement, repairs and consumables excluding the cost of regular electricity bill, for initial five years after the commissioning of the pla					0.00		0.00		0.00	0.00		0.00
a	For the First Year	Per Month	12.00	30,000.00	360,000.00	0.18	112,329.00	1,347,948.00	43,120.00	517,440.00	0.21	43.73	157,440.00
b	For the Second Year	Per Month	12.00	30,000.00	360,000.00	0.18	120,192.00	1,442,304.00	51,744.00	620,928.00	0.25	72.48	260,928.00
c	For the Third Year	Per Month	12.00	30,000.00	360,000.00	0.18	129,178.00	1,550,136.00	60,368.00	724,416.00	0.29	101.23	364,416.00
d	For the Forth Year	Per Month	12.00	30,000.00	360,000.00	0.18	129,178.00	1,550,136.00	68,992.00	827,904.00	0.34	129.97	467,904.00
e	For the Fifth Year	Per Month	12.00	30,000.00	360,000.00	0.18	134,795.00	1,617,540.00	77,616.00	931,392.00	0.38	158.72	571,392.00
	Total of Part 'C'				1,800,000.00	0.89		7,508,064.00		3,622,080.00	1.47	101.23	1,822,080.00
	G. Total of Part 'A'+ 'B1'+ 'B2'+ 'B3'+ 'B4'+ 'B5'+ 'C'				203,239,906.51	100.00	0.00	428,416,047.50	0.00	246,927,293.31	100.00	21.50	85,166,948.61
	Amount quoted by the Bidder (without Provisional Sum)							428,416,048.00		246,927,293.31			
	Arithmatcal Corrections							0.00		0.00			
	Discount / Add on							0.00		0.00			
	Net Amount after discount				203,239,906.51			428,416,048.00		246,927,293.31			
	Part B - Provisional Sums (For Third Party Inspection, Shifting of Utilities etc.)				4,000,000.00			4,000,000.00		4,000,000.00			
	Grand Total in Rs.				207,239,906.51			432,416,048.00		250,927,293.31			