

TS Register No: 1161/2020-2021

AS Register No:1236/2020-2021

Providing Community Micro Irrigation in Navithankulam LIS – (Construction of Sump,Fertigation Room, Deepening and widening of pond and Electrification for Micro IrrigationWork at Navithankulam LIS in Eruthambathy Panchayath in Palakkad

District)

Detailed Estimate

(Dsr year: **2016**,Cost Index Applied for this estimate is **31.06%**)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1 APPENDIX A-SUMP TANK								
1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil							
		1	4.000	6.000	3.1000		74.400	
							Total Quantity	74.400 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	74.400 cum
							Say 74.400 cum @ Rs 165.07 / cum	Rs 12281.21
2	2.26.1 Extra for every additional lift 1.5 m or part there of in excavation / banking excavated or stacked materials.All kinds of soil							
		1	4.000	6.000	1.500		36.000	
							Total Quantity	36.000 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	36.000 cum
							Say 36.000 cum @ Rs 67.82 / cum	Rs 2441.52
3	60.1.2 RING BUND Type II Putting up ring bund with earth fille gunny bags of top width 1.0m bottom width 2.0m height 2.0 m side and filling in between with earth to form ring bund and maintaining the same leak proof till the completion of the work and clearing the site by dismantling the bund after completion of the work.etc.complete.							
	Pond	1	40.000				40.000	
							Total Quantity	40.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	40.000 metre

	Say 40.000 metre @ Rs 980.46 / metre						Rs 39218.40	
4	60.2.2 Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
	5HP-1 no-15 days, 5 hrs	1	75.000				75.000	
	Total Quantity						75.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						75.000 hour	
	Say 75.000 hour @ Rs 243.42 / hour						Rs 18256.50	
5	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)							
	PCC	1	3.200	5.200	0.100		1.665	
	Total Quantity						1.665 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1.665 cum	
	Say 1.665 cum @ Rs 5869.06 / cum						Rs 9771.98	
6	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)							
	Base slab	1	5.000	3.000	0.300		4.500	
	Long wall	2	5.000	0.250	3.000		7.500	
	Short wall	2	2.500	0.250	3.000		3.750	
	Tie Beam	1	2.500	0.250	0.250		0.157	
	Total Quantity						15.907 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						15.907 cum	
	Say 15.907 cum @ Rs 8145.84 / cum						Rs 129575.88	
7	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more							
	Base slab	1	5.000	3.000	0.300	100.0	450.000	
	Long wall	2	5.000	0.250	3.000	100.0	750.000	

	Short wall	2	2.500	0.250	3.000	100.0	375.000		
	Tie Beam	1	2.500	0.250	0.250	100.0	15.625		
	Total Quantity						1590.625 kilogram		
	Total Deducted Quantity						0.000 kilogram		
	Net Total Quantity						1590.625 kilogram		
	Say 1590.625 kilogram @ Rs 74.18 / kilogram						Rs 117992.56		
8	5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.								
	walls Inner	2	4.500		3.000		27.000		
	walls Inner	2	2.500		3.000		15.000		
	Wall Outer	2	5.000		3.000		30.000		
	Wall Outer	2	3.000		3.000		18.000		
	slab edge	2	5.000		0.300		3.000		
	slab edge	2	3.000		0.300		1.800		
	Tie Beam Side	2	2.500		0.250		1.250		
	Tie Beam Bottom	1	2.500		0.250		0.625		
	Total Quantity						96.675 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						96.675 sqm		
	Say 96.675 sqm @ Rs 496.19 / sqm						Rs 47969.17		
9	5.23 Smooth finishing of the exposed surface of RCC work with 6mm thick cement mortar 1:3 (cement : 3 fine sand).								
	Base slab	1	2.500	4.500			11.250		
	walls Inner	2	2.500		3.000		15.000		
	walls Inner	2	4.500		3.000		27.000		
	Top side	2	5.000		0.300		3.000		
	Top side	2	2.500		0.300		1.500		
	Total Quantity						57.750 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						57.750 sqm		
	Say 57.750 sqm @ Rs 188.46 / sqm						Rs 10883.57		
10	22.23.1								

<p>Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer in-charge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @0.70 kg per sqm</p>								
	Base slab	1	2.500	4.500			11.250	
	walls Inner	2	2.500		3.000		15.000	
	walls Inner	2	4.500		3.000		27.000	
	Top side	2	5.000		0.300		3.000	
	Top side	2	2.500		0.300		1.500	
Total Quantity							57.750 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							57.750 sqm	
Say 57.750 sqm @ Rs 613.49 / sqm							Rs 35429.05	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
2 APPENDIX B-FERTIGATION ROOM								
1	2.31 Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared							
	FERTIGATION ROOM	1	8.000	8.000			64.000	
Total Quantity							64.000 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							64.000 sqm	
Say 64.000 sqm @ Rs 9.44 / sqm							Rs 604.16	
2	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil							
	Foundation for walls	3	6.000	0.800	0.700		10.081	

		3	2.600	0.800	0.700		4.368		
		2	2.800	0.800	0.700		3.136		
	Step	1	2.700	0.700	0.100		0.189		
	Total Quantity						17.774 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						17.774 cum		
	Say 17.774 cum @ Rs 218.08 / cum						Rs 3876.15		
3	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)								
	Foundation for walls	3	6.000	0.600	0.600		6.480		
		3	2.600	0.600	0.600		2.808		
		2	2.800	0.600	0.600		2.016		
	Basement for walls	3	6.000	0.450	0.450		3.646		
		3	2.600	0.450	0.450		1.580		
		2	2.800	0.450	0.450		1.135		
	Total Quantity						17.665 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						17.665 cum		
	Say 17.665 cum @ Rs 5197.64 / cum						Rs 91816.31		
4	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)								
	Foundation for walls	3	6.000	0.800	0.100		1.441		
		3	2.600	0.800	0.100		0.625		
		2	2.800	0.800	0.100		0.448		
	Flooring	1	2.600	3.000	0.100		0.781		
		1	2.600	2.400	0.100		0.625		
		1	2.800	5.600	0.100		1.568		
	Step	1	2.700	0.700	0.100		0.189		
	Total Quantity						5.677 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						5.677 cum		

		Say 5.677 cum @ Rs 5869.06 / cum					Rs 33318.65	
5	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.							
		1	2.600	3.000	0.100		0.781	
		1	2.600	2.400	0.100		0.625	
		1	2.800	5.600	0.100		1.568	
		1	2.350	2.750	0.450		2.909	
		1	2.350	2.150	0.450		2.274	
		1	2.550	5.350	0.450		6.140	
		Total Quantity					14.297 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					14.297 cum	
		Say 14.297 cum @ Rs 164.81 / cum					Rs 2356.29	
6	50.6.1.4 Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 20cm and above in: CM 1:6 (1 cement : 6 coarse sand) etc complete							
	Wall	3	6.000	0.200	3.600		12.961	
		3	2.600	0.200	3.600		5.617	
		2	2.800	0.200	3.600		4.032	
	Step	1	2.600	0.600	0.200		0.313	
		1	2.000	0.300	0.200		0.120	
	Lintel beam	3	6.000	0.200	0.150		-0.540	
		3	2.600	0.200	0.150		-0.234	
		2	2.800	0.200	0.150		-0.167	
	D1	1	2.000	0.200	2.100		-0.840	
	D2	2	0.900	0.200	2.100		-0.756	
	W1	1	2.000	1.500	0.200		-0.600	
	W2	1	1.000	1.500	0.200		-0.300	
	V	2	0.600	0.600	0.200		-0.144	
		Total Quantity					23.043 cum	
		Total Deducted Quantity					-3.581 cum	
		Net Total Quantity					19.462 cum	

	Say 19.462 cum @ Rs 5116.15 / cum						Rs 99570.51	
7	<p>5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15⁰ landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).</p>							
	Lintel beam	3	6.000	0.200	0.150		0.540	
		3	2.600	0.200	0.150		0.234	
		2	2.800	0.200	0.150		0.168	
	Slab	1	6.200	6.200	0.120		4.613	
	Flat shade	1	2.600	0.600	0.100		0.157	
		1	1.600	0.600	0.100		0.096	
		2	1.200	0.600	0.100		0.144	
	Total Quantity						5.952 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						5.952 cum	
	Say 5.952 cum @ Rs 9686.38 / cum						Rs 57653.33	
8	<p>5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 1:1:5:3 (1 cement 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</p>							
	Plinth belt	3	6.000	0.200	0.200		0.721	
		3	2.600	0.200	0.200		0.313	
		2	2.800	0.200	0.200		0.224	
	Total Quantity						1.258 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1.258 cum	
	Say 1.258 cum @ Rs 8145.84 / cum						Rs 10247.47	
9	<p>5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more</p>							
	Lintel beam	3	6.000	0.200	0.150	100.0	54.000	
		3	2.600	0.200	0.150	100.0	23.400	
		2	2.800	0.200	0.150	100.0	16.800	
	Slab	1	6.200	6.200	0.120	90.0	415.152	

	Flat shade	1	2.600	0.600	0.100	90.0	14.041		
		1	1.600	0.600	0.100	90.0	8.640		
		2	1.200	0.600	0.100	90.0	12.960		
	Plinth belt	3	6.000	0.200	0.200	100.0	72.001		
		3	2.600	0.200	0.200	100.0	31.201		
		2	2.800	0.200	0.200	100.0	22.400		
		Total Quantity					670.595 kilogram		
		Total Deducted Quantity					0.000 kilogram		
		Net Total Quantity					670.595 kilogram		
		Say 670.595 kilogram @ Rs 74.18 / kilogram					Rs 49744.74		
10	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers								
	Plinth belt outer	4	6.000	0.200			4.801		
	Plinth belt inner	4	2.600	0.200			2.080		
		2	2.800	0.200			1.120		
		2	3.000	0.200			1.201		
		2	2.400	0.200			0.960		
		2	5.600	0.200			2.240		
	Lintel outer	4	6.000	0.150			3.600		
	Lintel inner	4	2.600	0.150			1.560		
		2	2.800	0.150			0.840		
		2	3.000	0.150			0.900		
		2	2.400	0.150			0.720		
		2	5.600	0.150			1.680		
		Total Quantity					21.702 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					21.702 sqm		
		Say 21.702 sqm @ Rs 449.40 / sqm					Rs 9752.88		
11	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform								
	Slab bottom	1	6.200	6.200			38.441		
	Slab edge	4	6.200		0.120		2.976		

	Wall area	3	6.000	0.200			-3.600		
		3	2.600	0.200			-1.560		
		2	2.800	0.200			-1.119		
	Total Quantity						41.417 sqm		
	Total Deducted Quantity						-6.279 sqm		
	Net Total Quantity						35.138 sqm		
	Say 35.138 sqm @ Rs 553.47 / sqm						Rs 19447.83		
12	13.1.2 12 mm cement plaster of mix:1:6 (1 cement : 6 fine sand).								
	Wall outer	4	6.000	3.600			86.400		
	Store room	2	2.600	3.600			18.721		
		2	3.000	3.600			21.600		
	Office/panel room	2	2.400	3.600			17.280		
		2	2.600	3.600			18.721		
	Fertigation & Filtration unit room	2	2.800	3.600			20.160		
		2	5.600	3.600			40.320		
	D1	1	2.000	0.200			-0.400		
	D2	2	0.900	0.200			-0.360		
	W1	1	2.000	1.500			-3.000		
	W2	1	1.000	1.500			-1.500		
	V	2	0.600	0.600			-0.720		
	Total Quantity						223.202 sqm		
	Total Deducted Quantity						-5.980 sqm		
	Net Total Quantity						217.222 sqm		
	Say 217.222 sqm @ Rs 210.15 / sqm						Rs 45649.20		
13	13.16.1 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)								
	Slab bottom	1	6.200	6.200			38.441		
	Slab edge	4	6.200		0.120		2.976		
	Wall area	3	6.000	0.200			-3.600		
		3	2.600	0.200			-1.560		
		2	2.800	0.200			-1.119		
	Total Quantity						41.417 sqm		

		Total Deducted Quantity				-6.279 sqm	
		Net Total Quantity				35.138 sqm	
		Say 35.138 sqm @ Rs 188.46 / sqm				Rs 6622.11	
14	13.46.1 Finishing walls with Acrylic Smooth exterior paint of required shade:New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)						
	Wall outer	4	6.000	3.600			86.400
	Store room	2	2.600	3.600			18.721
		2	3.000	3.600			21.600
	Office/panel room	2	2.400	3.600			17.280
		2	2.600	3.600			18.721
	Fertigation & Filtration unit room	2	2.800	3.600			20.160
		2	5.600	3.600			40.320
	D1	1	2.000	0.200			-0.400
	D2	2	0.900	0.200			-0.360
	W1	1	2.000	1.500			-3.000
	W2	1	1.000	1.500			-1.500
	V	2	0.600	0.600			-0.720
	Slab bottom	1	6.200	6.200			38.441
	Slab edge	4	6.200	0.120			2.976
	Wall area	3	6.000	0.200			-3.600
		3	2.600	0.200			-1.560
		2	2.800	0.200			-1.119
		Total Quantity				264.619 sqm	
		Total Deducted Quantity				-12.259 sqm	
		Net Total Quantity				252.360 sqm	
		Say 252.360 sqm @ Rs 125.88 / sqm				Rs 31767.08	
15	10.5.2 Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using flats 30x6 mm for diagonal braces and central cross piece						
	D1	1	2.000	2.100			4.200
	D2	2	0.900	2.100			3.781
		Total Quantity				7.981 sqm	

							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	7.981 sqm
							Say 7.981 sqm @ Rs 3619.75 / sqm	Rs 28889.22
16	10.15.1	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular /L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)						
	W1	1	2.000	1.500		8.0	24.000	
	W2	1	1.000	1.500		8.0	12.000	
							Total Quantity	36.000 kg
							Total Deducted Quantity	0.000 kg
							Net Total Quantity	36.000 kg
							Say 36.000 kg @ Rs 162.58 / kg	Rs 5852.88
17	13.84.2	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats						
	D1	1+1	2.000	0.200			0.800	
	D2	2+2	0.900	0.200			0.721	
	W1	1+1	2.000	1.500			6.000	
	W2	1+1	1.000	1.500			3.000	
	V	2+2	0.600	0.600			1.440	
							Total Quantity	11.961 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	11.961 sqm
							Say 11.961 sqm @ Rs 98.36 / sqm	Rs 1176.48
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 APPENDIX C- RENOVATION OF POND								
1	60.2.2	Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete						
	5HP-1 no-3 days, 5 hrs	1	15.000				15.000	
							Total Quantity	15.000 hour

		Total Deducted Quantity					0.000 hour	
		Net Total Quantity					15.000 hour	
		Say 15.000 hour @ Rs 243.42 / hour					Rs 3651.30	
2	2.31 Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared							
	Through banks of pond	1	(41+55)*2	2.800			537.600	
		Total Quantity					537.600 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					537.600 sqm	
		Say 537.600 sqm @ Rs 9.44 / sqm					Rs 5074.94	
3	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil							
	Outer peripheral	1	55*2	6.000	2.000		1320.000	
	Outer peripheral	1	29*2	6.000	2.000		696.000	
	Inner portion	1	29.000	43.000	0.600		748.200	
	For foundation of side protection	1	192.000	2.200	0.600		253.440	
		Total Quantity					3017.640 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					3017.640 cum	
		Say 3017.640 cum @ Rs 165.07 / cum					Rs 498121.83	
4	60.7.1 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site							
	Side protection-Total perimeter of pond	1	192.000	(2+0.6)/2	4.000		998.401	
	RCC belt@1.5 m	1	192.000	(1.48+1.42)/2	0.150		-41.760	
	RCC belt@3.15 m	1	192.000	(0.9+0.85)/2	0.150		-25.200	

	Side protection-For foundation	1	192.000	2.200	0.600		253.440	
	Total Quantity						1251.841 cum	
	Total Deducted Quantity						-66.960 cum	
	Net Total Quantity						1184.881 cum	
	Say 1184.881 cum @ Rs 2515.43 / cum						Rs 2980485.21	
5	4.1.5 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)							
	wearing course at top	1	192.000	0.600	0.075		8.640	
	Total Quantity						8.640 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						8.640 cum	
	Say 8.640 cum @ Rs 6457.33 / cum						Rs 55791.33	
6	5.1.3 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
	RCC belt@1.5 m	1	192.000	$(1.48+1.42)/2$	0.150		41.760	
	RCC belt@3.15 m	1	192.000	$(0.9+0.85)/2$	0.150		25.200	
	Total Quantity						66.960 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						66.960 cum	
	Say 66.960 cum @ Rs 7565.64 / cum						Rs 506595.25	
7	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
	For RCC belt	4	192.000	0.150			115.200	
	For Wearing course	2	192.000	0.075			28.800	
	Total Quantity						144.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						144.000 sqm	
	Say 144.000 sqm @ Rs 449.40 / sqm						Rs 64713.60	

8	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more								
	RCC belt@1.5 m	1	192.000	(1.48+1.42)/2	0.150	60.0	2505.600		
	RCC belt@3.15 m	1	192.000	(0.9+0.85)/2	0.150	60.0	1512.000		
	Total Quantity						4017.600 kilogram		
	Total Deducted Quantity						0.000 kilogram		
	Net Total Quantity						4017.600 kilogram		
	Say 4017.600 kilogram @ Rs 74.18 / kilogram						Rs 298025.57		
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
4 Appendix - D Electrification									
1	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C								
	1.10.3	6					6.000		
	Total Quantity						6.000 point		
	Total Deducted Quantity						0.000 point		
	Net Total Quantity						6.000 point		
	Say 6.000 point @ Rs 992.12 / point						Rs 5952.72		
2	1.12 Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.								
	1.12	20					20.000		
	Total Quantity						20.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						20.000 metre		
	Say 20.000 metre @ Rs 220.18 / metre						Rs 4403.60		
3	1.14.2 Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire								
	1.14.2	10					10.000		

	and commissioning etc. as required. Triple pole and neutral						
	2.10.5	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 1167.74 / each						Rs 1167.74
12	2.15.1 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliampere in the existing MCB DB complete with connections, testing and commissioning etc. as required. 25 amps						
	2.15.1	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 2747.02 / each						Rs 2747.02
13	od131609/2020_2021 Supply & installation of dust and vermin proof, 3 Phase Syntex Meter Board GS-MB-6535(size 760x450x260x) and to fix KSEB meters, fuse units, CT etc as required including fixing it on wall, making good the damages colour washing etc. as required.						
	od131609/2020_2021	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 4814.66 / each						Rs 4814.66
14	od131612/2020_2021 Supply and fixing 63A HRC fuse base with fuse link in the existing meter board.						
	od131612/2020_2021	3					3.000
	Total Quantity						3.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						3.000 each
	Say 3.000 each @ Rs 173.97 / each						Rs 521.91
15	od131616/2020_2021 Supply and fixing 63 A, 415 V, 2 way neutral link mounted on DMC/ SMC base in the existing meter board.						
	od131616/2020_2021	1					1.000
	Total Quantity						1.000 each

	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 173.97 / each						Rs 173.97	
16	90.12.7.27 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3.5 core 25 sq mm with factory made clamp							
	90.12.7.27	15					15.000	
	Total Quantity						15.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						15.000	metre
	Say 15.000 metre @ Rs 302.77 / metre						Rs 4541.55	
17	90.12.7.39 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 6 sq mm with factory made clamp							
	90.12.7.39	10					10.000	
	Total Quantity						10.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						10.000	metre
	Say 10.000 metre @ Rs 202.32 / metre						Rs 2023.20	
18	9.1.20 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X25 sq.mm (28mm)							
	9.1.20	4					4.000	
	Total Quantity						4.000	set
	Total Deducted Quantity						0.000	set
	Net Total Quantity						4.000	set
	Say 4.000 set @ Rs 336.82 / set						Rs 1347.28	
19	9.1.32 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)							
	9.1.32	2					2.000	

	Say 3.000 each @ Rs 101200.00 / each						Rs 303600.00	
28	od131729/2020_2021 Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type meter cum main switch board comprising of the following components/ devices & complying to IS 8623. Supply and fabrication of MV panel board using 1.6mm CRCA sheet, powder coated (excluding base frame) : 1. 100A 4P on-load changeover switch, 2. 2nos Fully automatic star delta starter for 25HP submersible motor pump set with remote control, 3. 100A 4pole 100mA RCCB, 4.2nos. 7.5KVAR capacitor, 5. LED indicators with fuse control, 6. digital volt meter, 7. 3nos. 100A cut-out fuses and 8. 1no. 100A neutral link							
	od131729/2020_2021	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 79330.38 / each						Rs 158660.76	
29	od131732/2020_2021 Providing and fixing 75mm 'B' class GI pipe with GI fittings and clamps as required.							
	od131732/2020_2021	75					75.000	
	Total Quantity						75.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						75.000 metre	
	Say 75.000 metre @ Rs 1704.00 / metre						Rs 127800.00	
30	od136489/2020_2021 SITC of Solar LED lighting System with following accessories. (a) All in one Solar LED CSADHMP40 CDL, 40W LED Crompton make / Equilant having 60W solar module Wp with 27 Ah battery having 6800lumens having dimenssions(Approx) 955 X 630 X 55 (LWH) haing approximate weight of 19Kg (Details attached separately) suitable to fit on tubular pole. (b) Pole :- 3.5/4 Mtr. long (clear height - 210kg) armless pole of cast iron with bottom dia.200mm with base plate and top dia. 100mm, foundation bolt etc. complete fixed on exisisting cement concrete foundation etc. as per the directions of engineer at site as required including 3 year AMC complete.							
	od136489/2020_2021	4					4.000	
	Total Quantity						4.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						4.000 each	
	Say 4.000 each @ Rs 99300.00 / each						Rs 397200.00	
31	14.1 Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.							

	Foundation for Solar lamp post								
		4	0.600	0.600	0.600		0.864		
	Total Quantity							0.864 cum	
	Total Deducted Quantity							0.000 cum	
	Net Total Quantity							0.864 cum	
	Say 0.864 cum @ Rs 251.64 / cum							Rs 217.42	
32	14.7	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.							
	Foundation for solar lamp post								
		4	0.600	0.600	0.600		0.864		
	Total Quantity							0.864 cum	
	Total Deducted Quantity							0.000 cum	
	Net Total Quantity							0.864 cum	
	Say 0.864 cum @ Rs 6830.85 / cum							Rs 5901.85	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
5 3-Phase line extension and connection charges to KSEB									
Lump-Sum Total							Rs 500000.00		
SI No	Description	No	L	B	D	CF	Quantity		
Remark	6 Training on design and implementation of Community Micro Irrigation for 20 officers of KIIDC conducted by Administrative Staff College of India (Including GST)								
Lump-Sum Total							Rs 424800.00		
SI No	Description	No	L	B	D	CF	Quantity		
Remark	7 Centage charge @ 7%								
Lump-Sum Total							Rs 484587.74		
SI No	Description	No	L	B	D	CF	Quantity		
Remark	8 GST @ 12%								
Lump-Sum Total							Rs 830721.84		
SI No	Description	No	L	B	D	CF	Quantity		
Remark	9 GST on centage charge @ 18%								
Lump-Sum Total							Rs 87225.79		
Provision for GST payments (in %) @							0.0%		
Amount reserved for GST payments							0.00		
Total							8750017.00		
Lumpsum for round off							9983.00		

TOTAL Rs 8760000.00
Rounded Total Rs 87,60,000
Rupees Eighty Seven Lakh Sixty Thousand Only

(Cost Index Applied for this estimate is 31.06%)



Other Engineering Organisations

PRICE