TS Register No: 939/2020-2021
AS Register No:988/2020-2021

Providing Community Micro Irrigation in Moonglimada LIS (Construction of Fertigation Room, Pumps, Pipe line, Sump Tank and Electrification for Micro Irrigation work at Moongilmada in Eruthenpathy Panchayath In Palakkad District)

Detailed Estimate

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

Sl No	Description	No	L	B	D	CF	Quantity	Remark
	1 APPENDIX-A-Construction of Well at RBC							
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							
	Well at RBC	1	3.140	1.5*1.5	1.500		10.598	
						Total Quantity	10.598 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	10.598 cum	
						Say 10.598 cum @ Rs 165.07 / cum	**Rs 1749.41**	
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							
	Well at RBC	1	3.140	1.5*1.5	0.600		4.239	
						Total Quantity	4.239 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	4.239 cum	
						Say 4.239 cum @ Rs 67.82 / cum	**Rs 287.49**	
3	5.9.12 Centering and shuttering including strutting, etc. and removal of form for:Well steining							
	Outer Kerb	1	2*3.14*1.5		0.300		2.826	
	Inner Kerb	1	2*3.14*1.2		0.150		1.131	
	Inner Kerb edge	1	2*3.14*1.275		0.150		1.202	
	Ring outer	1	2*3.14*1.45		1.800		16.391	
	Ring Inner	1	2*3.14*1.25		1.800		14.130	

						Total Quantity	35.680 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	35.680 sqm	
						Say 35.680 sqm @ Rs 278.11 / sqm	**Rs 9922.96**	
4	5.7 Reinforced cement concrete work in well - steining 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)							
	Kerb	1	2*3.14*1.35	0.300	0.300		0.764	
	Ring	1	2*3.14*1.35	0.200	1.800		3.053	
	Edge Side	1	2*3.14*1.25	.5*.15	0.150		-0.088	
						Total Quantity	3.817 cum	
						Total Deducted Quantity	-0.088 cum	
						Net Total Quantity	3.729 cum	
						Say 3.729 cum @ Rs 7809.67 / cum	**Rs 29122.26**	
5	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.							
	Across Canal	1	5.000				5.000	
						Total Quantity	5.000 metre	
						Total Deducted Quantity	0.000 metre	
						Net Total Quantity	5.000 metre	
						Say 5.000 metre @ Rs 980.46 / metre	**Rs 4902.30**	
6	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- 8 Hr	1	3.000	8.000			24.000	
						Total Quantity	24.000 hour	
						Total Deducted Quantity	0.000 hour	
						Net Total Quantity	24.000 hour	
						Say 24.000 hour @ Rs 243.42 / hour	**Rs 5842.08**	

7	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more							
	Kerb	1	0.676			100.0	67.601	
	Ring	1	3.053			100.0	305.300	
						Total Quantity	372.901 kilogram	
						Total Deducted Quantity	0.000 kilogram	
						Net Total Quantity	372.901 kilogram	
						Say 372.901 kilogram @ Rs 74.18 / kilogram	**Rs 27661.80**	
8	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)							
	CC at Edge Side	1	2*3.14*1.25	.5*.15	0.150		0.089	
	CC at bottom bed	1	2*3.14*1.2	1.200	0.150		1.357	
						Total Quantity	1.446 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	1.446 cum	
						Say 1.446 cum @ Rs 5869.06 / cum	**Rs 8486.66**	
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							
	For two Fertigation Rooms	2	10.000	10.000			200.000	
						Total Quantity	200.000 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	200.000 sqm	
						Say 200.000 sqm @ Rs 9.44 / sqm	**Rs 1888.00**	
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							

	Earthwork excavation	2	35.200	0.800	0.700		39.424	
						Total Quantity	39.424 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	39.424 cum	
						Say 39.424 cum @ Rs 218.08 / cum	**Rs 8597.59**	
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)							
	For Foundation	2	35.200	0.600	0.600		25.344	
	For basement	2	35.200	0.450	0.450		14.257	
						Total Quantity	39.601 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	39.601 cum	
						Say 39.601 cum @ Rs 5197.64 / cum	**Rs 205831.74**	
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)							
	PCC	2	35.200	0.800	0.100		5.633	
	CC Flooring	2	8.200	8.200	0.100		13.448	
						Total Quantity	19.081 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	19.081 cum	
						Say 19.081 cum @ Rs 5869.06 / cum	**Rs 111987.53**	
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.							
	PCC	2	8.200	8.200	0.100		-13.448	
	Earth filling	2	8.200	8.200	0.450		60.516	
						Total Quantity	60.516 cum	
						Total Deducted Quantity	-13.448 cum	
						Net Total Quantity	47.068 cum	
						Say 47.068 cum @ Rs 164.81 / cum	**Rs 7757.28**	
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	2	35.200	0.200	3.600		50.689	
	Lintel beam	2	35.200	0.200	0.150		-2.112	
	window	2	2.000	1.500	0.200		-1.200	
	Door	2	2.000	0.200	2.100		-1.680	
	Beam	4	0.200	0.200	0.500		-0.080	
	Bed Block	4	0.600	0.200	0.200		-0.096	
						Total Quantity	50.689 cum	
						Total Deducted Quantity	-5.168 cum	
						Net Total Quantity	45.521 cum	
						Say 45.521 cum @ Rs 5116.15 / cum	**Rs 232892.26**	
7	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15^0 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, with1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).							
	Lintel	2	35.200	0.200	0.150		2.112	
	Slab	2	9.200	9.200	0.120		20.314	
	Roof Beam	2	9.000	0.200	0.500		1.800	
						Total Quantity	24.226 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	24.226 cum	
						Say 24.226 cum @ Rs 9686.38 / cum	**Rs 234662.24**	
8	4.2.2 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts,buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing:1:11/2:3 (1 cement : 11/2 coarse sand :3 graded stone aggregate 20 mm nominal size)							
	Bed Block	4	0.600	0.200	0.200		0.096	
						Total Quantity	0.096 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	0.096 cum	
						Say 0.096 cum @ Rs 9161.62 / cum	**Rs 879.52**	

9	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more							
	Slab	2	20.314			90.0	3656.520	
	Lintel	2	2.112			100.0	422.401	
	Roof Beam	2	1.800			100.0	360.000	
						Total Quantity	4438.921 kilogram	
						Total Deducted Quantity	0.000 kilogram	
						Net Total Quantity	4438.921 kilogram	
						Say 4438.921 kilogram @ Rs 74.18 / kilogram	**Rs 329279.16**	
10	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
	lintel outer	2	36.000	0.150			10.800	
	lintel Inner	2	34.400	0.150			10.320	
	Beam side	4	8.600	0.500			17.200	
	Beam bottom	4	8.600	0.200			6.880	
	Bed Block	8	0.600	0.200			0.960	
						Total Quantity	46.160 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	46.160 sqm	
						Say 46.160 sqm @ Rs 449.40 / sqm	**Rs 20744.30**	
11	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
	Wall	2	35.200	0.200			-14.080	
	Slab	2	9.200	9.200			169.280	
	Edge	2	36.800		0.120		8.832	
						Total Quantity	178.112 sqm	
						Total Deducted Quantity	-14.080 sqm	
						Net Total Quantity	164.032 sqm	
						Say 164.032 sqm @ Rs 553.47 / sqm	**Rs 90786.79**	
12	13.1.2 12 mm cement plaster of mix:1:6 (1 cement : 6 fine sand).							
	Walls inside	2	36.000		3.600		259.200	

	walls outside	2	34.400		3.600		247.680	
	Door	2	2.000		2.100		-8.400	
	window	4	2.000	1.500			-12.000	
	Beam	4	0.500	0.200			-0.400	
						Total Quantity	506.880 sqm	
						Total Deducted Quantity	-20.800 sqm	
						Net Total Quantity	486.080 sqm	
						Say 486.080 sqm @ Rs 210.15 / sqm	**Rs 102149.71**	
13	13.16.1 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)							
	bottom of roof	2	9.200	9.200			169.280	
	Beam side	4	8.600	0.500			17.200	
	Beam Bottom	2	8.600	0.200			3.440	
	Wall area	2	35.200	0.200			-14.080	
	Beam	2	8.600	0.200			-3.440	
						Total Quantity	189.920 sqm	
						Total Deducted Quantity	-17.520 sqm	
						Net Total Quantity	172.400 sqm	
						Say 172.400 sqm @ Rs 188.46 / sqm	**Rs 32490.50**	
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)							
	Walls inside	2	36.000		3.600		259.200	
	walls outside	2	34.400		3.600		247.680	
	Door	2	2.000		2.100		-8.400	
	Beam	4	0.500	0.200			-0.400	
	bottom of roof	2	9.200	9.200			169.280	
	Beam side	4	8.600	0.500			17.200	
	Wall area	2	35.200	0.200			-14.080	
						Total Quantity	693.360 sqm	
						Total Deducted Quantity	-22.880 sqm	
						Net Total Quantity	670.480 sqm	
						Say 670.480 sqm @ Rs 125.88 / sqm	**Rs 84400.02**	
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							
	Door	2	2.000		2.100		8.400	
						Total Quantity	8.400 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	8.400 sqm	
						Say 8.400 sqm @ Rs 3619.75 / sqm	**Rs 30405.90**	
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)							
	Window	2	2.000	1.500		3.5	21.000	
						Total Quantity	21.000 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	21.000 kg	
						Say 21.000 kg @ Rs 162.58 / kg	**Rs 3414.18**	
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							
	Door	4	2.000		2.100		16.800	
	window	4	2.000		1.500		12.000	
						Total Quantity	28.800 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	28.800 sqm	
						Say 28.800 sqm @ Rs 98.36 / sqm	**Rs 2832.77**	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
3 APPENDIX-C- Convertion Of Abandoned RBC into Water Storage								
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							
	Along Abandoned Canal Area	1	1720.000	20.000			34400.000	

						Total Quantity	34400.000 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	34400.000 sqm	
						Say 34400.000 sqm @ Rs 9.44 / sqm	**Rs 324736.00**	
2	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							
	Clearing Bank slide	1	400.000	3.000	0.500		600.000	
						Total Quantity	600.000 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	600.000 cum	
						Say 600.000 cum @ Rs 165.07 / cum	**Rs 99042.00**	
3	2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil							
	CH:0-500	1	500.000	12.000			6000.000	
	CH:500-1000	1	500.000	13.500			6750.000	
	CH:1000-1320	1	320.000	14.500			4640.000	
						Total Quantity	17390.000 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	17390.000 sqm	
						Say 17390.000 sqm @ Rs 18.28 / sqm	**Rs 317889.20**	
4	4.1.4 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4)1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)							
	Vent@VCB	2	1.800	1.500	1.400		7.560	
						Total Quantity	7.560 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	7.560 cum	
						Say 7.560 cum @ Rs 7064.72 / cum	**Rs 53409.28**	
5	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)							
	CH:0-400	1	400.000	10.960	0.091		398.944	
						Total Quantity	398.944 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	398.944 cum	
						Say 398.944 cum @ Rs 7565.64 / cum	**Rs 3018266.68**	
6	5.22.1 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelMild steel and Medium Tensile steel bars							
	Along the slope	2	10800.000			0.39	8424.000	
	Across the slope	2	11200.000			0.39	8736.000	
	bed	1	8400.000			0.39	3276.000	
	Wastage and overlapping(10%)	1	5240.000			0.39	2043.601	
						Total Quantity	22479.601 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	22479.601 kg	
						Say 22479.601 kg @ Rs 72.48 / kg	**Rs 1629321.48**	
7	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete							
	CH:0-400	1	400.000	10.960			4384.000	
						Total Quantity	4384.000 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	4384.000 sqm	
						Say 4384.000 sqm @ Rs 211.79 / sqm	**Rs 928487.36**	
8	10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.							
	6mm MS sheet	1	1.800	1.000		47.1	84.780	
	frame 65*65*8 angle section	2	1.800			7.7	27.721	
	frame 65*65*8 angle section	2	1.000			7.7	15.400	
	diagonal 60*60*6 angle section	2	2.050			5.4	22.140	

	vertical 60*60*6 angle section	1	1.000			5.4	5.400	
	horizondal 60*60*6 angle section	1	1.800			5.4	9.720	
						Total Quantity	165.161 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	165.161 kg	
						Say 165.161 kg @ Rs 88.66 / kg	**Rs 14643.17**	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
4 Pumping Line from Moolathara to Moongilmada								
1	od88873/2020_2021 Demolishing cement concrete manual means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)							
	Canal bed	1	2250.000	0.450	0.100		101.250	
						Total Quantity	101.250 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	101.250 cum	
						Say 101.250 cum @ Rs 1306.71 / cum	**Rs 132304.39**	
2	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							
	Trench in canal	1	2250.000	0.450	0.350		354.375	
						Total Quantity	354.375 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	354.375 cum	
						Say 354.375 cum @ Rs 165.07 / cum	**Rs 58496.68**	
3	od98320/2020_2021 Supply,conveying,jointing and laying of 200mm HDPE pipe PE80 PN 10 For 150 M 							
	200mm HDPE pipe PE80 PN 10	1	2250.000				2250.000	
						Total Quantity	2250.000 metre	
						Total Deducted Quantity	0.000 metre	
						Net Total Quantity	2250.000 metre	
						Say 2250.000 metre @ Rs 2934.68 / metre	**Rs 6603030.00**	

4	od88878/2020_2021 Back filling available excavated earth (excluding rock) in trenches, lead up to 50 m and lift upto 1.5 m.							
	Trench in canal	1	2250.000	0.450	0.450		455.625	
	HDPE Pipe	1	3.140	.1*.1	2250.000		-70.650	
						Total Quantity	455.625 cum	
						Total Deducted Quantity	-70.650 cum	
						Net Total Quantity	384.975 cum	
						Say 384.975 cum @ Rs 71.67 / cum	**Rs 27591.16**	
5	od88187/2020_2021 Supply and fixing of CI Air Valve, Conforming to IS 14848 - 2000, Kinetic Air Valve TypeDK, Size 50mm. with all cost of materials, labour charges, cost of fittings, conveyance Including all cost of trenching,backfilling and laying as per lines and levels if any, etc as per the directions of departmental officers at site. (Ref. to Specification Code: 100.98.435 of KWA data)							
	CI Air Valve	8					8.000	
						Total Quantity	8.000 each	
						Total Deducted Quantity	0.000 each	
						Net Total Quantity	8.000 each	
						Say 8.000 each @ Rs 3691.86 / each	**Rs 29534.88**	
6	od88872/2020_2021 Testing 200mm dia hdpe pipe with water to the required test pressure, cost and conveyance of water and hire for tools and other sundries etc complete.							
	Testing 200mm dia hdpe pipe	1	2250.000				2250.000	
						Total Quantity	2250.000 metre	
						Total Deducted Quantity	0.000 metre	
						Net Total Quantity	2250.000 metre	
						Say 2250.000 metre @ Rs 46.44 / metre	**Rs 104490.00**	
7	od98289/2020_2021 Supplying and fixing of CI Non Return Valve, Conforming to IS 5312 Part I - 1984, PN 1.0, Size 200mm (Ref.KWA data 100.98.432)							
	CI Non Return Valve, Conforming to IS 5312 Part I - 1984, PN 1.0, Size 200mm	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 20055.39 / each						**Rs 20055.39**	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
5 Electrical works								
1	od92357/2020_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 motor control panel fowith all accessories for 20HP submersible motor pump set 3. 3nos. 100A cut-out fuses, 4. 1no. 100A neutral link and provision for fixing 3phase energy meter.5. Rain guard							
	od92357/2020_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 152240.67 / each						**Rs 152240.67**	
2	od92359/2020_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. 32A TPN SFU with 32A HRC fuse, 2. motor control panel suitable for 7.5HP submersible motor pump set with aii accessories, 3. 3nos. 32A cut-out fuses and 4. 1no. 32A neutral link and provision foe fixing energy meter, 5. rain guard							
	od92359/2020_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 52983.19 / each						**Rs 52983.19**	
3	od94056/2020_2021 Supply, conveyane, installation, testing and commissioning of 3phase 20HP open well monoblock submesible motor pump set having head range 24-54 metres and dicharge range 38.5-17.5 lps(aquatex ASM34 or equivalent) including all necessary fittings for fixing Discharge pipe as per the direction of officer in charge.							
		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 89744.25 / each						**Rs 89744.25**	
4	od94055/2020_2021							

	Supply, conveyane, installation, testing and commissioning of 3phase 7.5HP open well monoblock submesible motor pump set having head range 8-26 metres and dicharge range 34.5-11.5 lps(aquatex ASM13 or equivalent) including 5m length of Discharge pipe and all necessary fittings for fixing Discharge pipe as per the direction of officer in charge.							
	3phase 7.5HP open well monoblock submesible motor pump set having head range 8-26 metres and dicharge range 34.5-11.5 lps(aquatex ASM13 or equivalent	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 38000.00 / each	**Rs 38000.00**	
5	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated 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. FRLSPVC insulated copper conductor single core cable etc as required.Group C							
	1.10.3	12					12.000	
						Total Quantity	12.000 point	
						Total Deducted Quantity	0.000 point	
						Net Total Quantity	12.000 point	
						Say 12.000 point @ Rs 992.12 / point	**Rs 11905.44**	
6	1.12 Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single corecable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulatedcopper conductor single core cable for loop earthing as required.							
	1.12	40					40.000	
						Total Quantity	40.000 metre	
						Total Deducted Quantity	0.000 metre	
						Net Total Quantity	40.000 metre	
						Say 40.000 metre @ Rs 220.18 / metre	**Rs 8807.20**	
7	1.31 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or inrecess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 ampsmodular switch, connection etc. as required. (For light plugs to be used in non residentialbuildings).							

	1.31	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 410.22 / each	**Rs 1640.88**	
8	1.32 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.							
	1.32	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 532.10 / each	**Rs 2128.40**	
9	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden blockincluding connection etc as required.							
	1.33	12					12.000	
						Total Quantity	12.000 each	
						Total Deducted Quantity	0.000 each	
						Net Total Quantity	12.000 each	
						Say 12.000 each @ Rs 60.29 / each	**Rs 723.48**	
10	1.14.2 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire							
	1.14.2	40					40.000	
						Total Quantity	40.000 metre	
						Total Deducted Quantity	0.000 metre	
						Net Total Quantity	40.000 metre	
						Say 40.000 metre @ Rs 179.55 / metre	**Rs 7182.00**	
11	90.3.19.3 Supply conveyance, installation, testing and commissioning the light fittings of following types made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required1200 mm 1X20W LED Lamp with box type fixture							

	90.3.19.3	8					8.000	
						Total Quantity	8.000 each	
						Total Deducted Quantity	0.000 each	
						Net Total Quantity	8.000 each	
						Say 8.000 each @ Rs 1174.12 / each	**Rs 9392.96**	
12	90.4.5.2 Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.1200mm sweep -5star rated ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C							
	90.4.5.2	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 1857.50 / each	**Rs 7430.00**	
13	2.3.2 Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator8 way, Double door							
	2.3.2	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 1390.55 / each	**Rs 2781.10**	
14	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole							
	2.10.1	8					8.000	
						Total Quantity	8.000 each	
						Total Deducted Quantity	0.000 each	
						Net Total Quantity	8.000 each	
						Say 8.000 each @ Rs 226.73 / each	**Rs 1813.84**	
15	2.10.3 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker							

	suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Double pole							
	2.10.3	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 606.81 / each	**Rs 1213.62**	
16	2.14.1 Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residualcurrent circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.25 amps							
	2.14.1	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 2162.49 / each	**Rs 4324.98**	
17	2.16 Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.							
	2.16	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 821.75 / each	**Rs 1643.50**	
18	od92698/2020_2021 Supply and installation of dust and vermin proof singlephase Sintex meterboard (GS.MB 4030) and to fix KSEB meters, fuse units, CTs etc. as requirde including fixing it on wall, making good the damages, colour washing etc. as required.							
	od92698/2020_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 4060.00 / each	**Rs 8120.00**	
19	od92699/2020_2021 Supply and fixing 32A HRC fuse with HRC fuse link with connections in existing meter board.							
	od92699/2020_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 261.00 / each	**Rs 522.00**
20	od92700/2020_2021 Supply and fixing 32A, 2way neutral link mounted on DMC/SMC base with connections in existing meter board.							
	od92700/2020_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 214.00 / each	**Rs 428.00**
21	5.4 Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, andproviding masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.							
	5.4	6					6.000	
							Total Quantity	6.000 set
							Total Deducted Quantity	0.000 set
							Net Total Quantity	6.000 set
							Say 6.000 set @ Rs 5670.97 / set	**Rs 34025.82**
22	5.13 Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.							
	5.13	60					60.000	
							Total Quantity	60.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	60.000 metre
							Say 60.000 metre @ Rs 238.53 / metre	**Rs 14311.80**
23	90.6.6.3 Supply and drawing FRLS PVC insulated & sheathed 650/1100 V grade 3 core copper conductor flat cable for submersible pump motor conforming to IS 694 part I 1990 as required including giving necessary connections of the following sizes.4 sq mm							
	90.6.6.3	30					30.000	
							Total Quantity	30.000 metre

	Total Deducted Quantity	0.000 metre
	Net Total Quantity	30.000 metre
	Say 30.000 metre @ Rs 129.55 / metre	**Rs 3886.50**

24	90.6.6.4 Supply and drawing FRLS PVC insulated & sheathed 650/1100 V grade 3 core copper conductor flat cable for submersible pump motor conforming to IS 694 part I 1990 as required including giving necessary connections of the following sizes.6 sq mm							
	90.6.6.4	80					80.000	
	Total Quantity						80.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						80.000 metre	
	Say 80.000 metre @ Rs 184.55 / metre						**Rs 14764.00**	
25	90.12.9.2 Supplying, laying and jointing of the following sizes of double wall corrugated (DWC) pipes made out of HDPE conforming to IS 14930 Part II for mechanical protection to underground power cables with all required accessories in ground in the existing trench50/38 mm or nearest size							
	90.12.9.2	50					50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 142.62 / metre						**Rs 7131.00**	

Sl No	Description	No	L	B	D	CF	Quantity	Remark
	6 Centage@5%							
	Lump-Sum Total						**Rs 771370.75**	
	Sl No	Description	No	L	B	D	CF	Quantity
Remark	**7 GST@12%**							
	Lump-Sum Total						**Rs 1851289.80**	
	Sl No	Description	No	L	B	D	CF	Quantity
Remark	**8 GST for Centage 18%**							
	Lump-Sum Total						**Rs 138846.74**	

Provision for GST payments (in %) @	**0.0%**
Amount reserved for GST payments	**0.00**
Total	**18188923.00**
Lumpsum for round off	**1077.00**
	TOTAL Rs 18190000.00

Rounded Total Rs 1,81,90,000
Rupees One Crore Eighty One Lakh Ninety Thousand Only

(Cost Index Applied for this estimate is 31.06%)