

Detailed Estimate

**JJM- KUMARAMANGALAM- 01-PROVIDING FHTC TO ALL HOUSEHOLDS,
RENOVATION OF OLD WTP, CONSTRUCTION OF OHSR AND PROVIDING
CLEAR WATER PUMPS OF RWSS TO KUMARAMANGALAM PANCHAYATH IN
IDUKKI DISTRICT**

(Dsr year: 2016)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1APPENDIX - A. PART - I - Providing House connection (Cost Index:38.91 %)								
1	100.60.1.1.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.							
	PROVIDING FHTC							
	FHTC UP TO 110MM PIPE	1800					1800.000	
	Total Quantity						1800.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						1800.000 Nos	
	Say 1800.000 Nos @ Rs 4836.08 / Nos						Rs 8704944.00	
2	100.60.1.4.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, GI / MS / SS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x							

	200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.						
	PROVIDING FHTC						
	FHTC UP TO 125MM GI PIPE	791					791.000
	Total Quantity						791.000 Nos
	Total Deducted Quantity						0.000 Nos
	Net Total Quantity						791.000 Nos
	Say 791.000 Nos @ Rs 4948.98 / Nos						Rs 3914643.18
3	<p>100.60.2.1.2</p> <p>Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains from 140mm to 200mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.</p>						
	Kerala Water Authority PROVIDING FHTC						
	FHTC UP TO 200MM PIPE	400					400.000
	Total Quantity						400.000 Nos
	Total Deducted Quantity						0.000 Nos
	Net Total Quantity						400.000 Nos
	Say 400.000 Nos @ Rs 5036.08 / Nos						Rs 2014432.00
4	<p>100.60.3.1.1</p> <p>Providing additional length of house connection pipe using 20mm Indian Standard Class 6 uPVC pipe and specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.</p>						
	Providing additional length of house connection pipe (Ave. 15m)	2991	15.000				44865.000
	Total Quantity						44865.000 metre

	Total Deducted Quantity						0.000 metre
	Net Total Quantity						44865.000 metre
	Say 44865.000 metre @ Rs 126.51 / metre						Rs 5675871.15
5	100.60.12.3.1 Providing 15mm PVC Tap in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.						
		2991					2991.000
	Total Quantity						2991.000 Nos
	Total Deducted Quantity						0.000 Nos
	Net Total Quantity						2991.000 Nos
	Say 2991.000 Nos @ Rs 423.11 / Nos						Rs 1265522.01
6	od125547/2020_2021 Providing Geo Tagging to the new Service connections in the Panchayath including submission of soft copies im KML format and Hard copies showing the coordinates and field references						
		2991					2991.000
	Total Quantity						2991.000 No
	Total Deducted Quantity						0.000 No
	Net Total Quantity						2991.000 No
	Say 2991.000 No @ Rs 20.00 / No						Rs 59820.00
7	15.2.1 Demolishing cement concrete manually / by mechanical 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)						
	Road Crossing	200	4.000	0.200	0.150		24.000
	Total Quantity						24.000 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						24.000 cum
	Say 24.000 cum @ Rs 1385.00 / cum						Rs 33240.00
8	100.59.1 Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffice diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.						
	road crossing						

	road crossing	266*2	4.000				2128.000	
		100*2	8.000				1600.000	
	connection pits	1200	1.5+1.5				3600.000	
	Total Quantity						7328.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						7328.000 metre	
	Say 7328.000 metre @ Rs 31.67 / metre						Rs 232077.76	
9	15.59 Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilo metre, as per direction of Engineer-in-charge.							
	Crossing	266	4.000	0.300	0.200		63.840	
		100	8.000	0.300	0.200		48.000	
	Pit	1200	0.900	0.600	0.200		129.601	
	Total Quantity						241.441 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						241.441 cum	
	Say 241.441 cum @ Rs 284.07 / cum						Rs 68586.14	
10	16.42 Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete							
	Road Crossing	200	4.000	0.200	0.150		24.000	
	Connection Pit concreting	1200	0.900	0.600	0.150		97.200	
	Total Quantity						121.200 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						121.200 cum	
	Say 121.200 cum @ Rs 7645.33 / cum						Rs 926614.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2Water Connection Charges (Cost Index:38.91 %)								
1	od159907/2020_2021 Charges for application fee, connection fee, meter testing fee etc for connections having length below 30 m							
		2991					2991.000	
	Total Quantity						2991.000 No	

							Total Deducted Quantity	0.000 No
							Net Total Quantity	2991.000 No
							Say 2991.000 No @ Rs 575.00 / No	Rs 1719825.00
Sl No	Description	No	L	B	D	CF	Quantity	Remark
3Renovation of Existing WTP at Thodupuzha (Cost Index:38.91 %)								
1	100.55.5 Removing filter media from the filter beds without making any damages to the existing structures and back manifolds and stacking at a safe and convenient place for segregation process and as per the directions of the department officers etc. complete.							
Removing filter media from the filter beds								
	Removing filter media from the filter beds	4	6.000	4.300	1.200		123.840	
							Total Quantity	123.840 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	123.840 cum
							Say 123.840 cum @ Rs 681.01 / cum	Rs 84336.28
2	100.55.6 Cleaning, drying and sieving the removed filter media and stacking the dismantled pebbles for reuse and spreading in the filter box in layers as per specifications and as per directions of the department officers.							
Cleaning, drying and sieving the removed filter media								
	Cleaning, drying and sieving the removed filter media	4	6.000	4.300	0.300		30.960	
							Total Quantity	30.960 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	30.960 cum
							Say 30.960 cum @ Rs 1749.78 / cum	Rs 54173.19
3	100.55.4 Supplying and stacking for measurement of filter sand having effective size 0.45 to 0.70 mm and uniformity coefficient 1.30 to 1.7, of specific gravity in the range of 2.55 - 2.65 and hard and clean, free from clay, dust and other impurities including cost of materials, labour charges and conveyance of materials up to 5 km and as per the directions of the department officers etc. complete and as per CPHEEO specification.							
Supplying and stacking for measurement of filter sand having effective size 0.45 to 0.70 mm								

	Supplying and stacking for measurement of filter sand having effective size 0.45 to 0.70 mm	4	6.000	4.300	0.600		61.920	
	Total Quantity						61.920 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						61.920 cum	
	Say 61.920 cum @ Rs 10569.43 / cum						Rs 654459.11	
4	100.55.1 Supplying of 2 to 6 mm and 6 to 12 mm size fine pebble (pebbles shall be hard, clean, free from clay, dust and other impurities), stacking in standard heaps for measurement including cost, conveyance up to 5 km and labour charges for stacking, spreading, testing and as per the directions of the department officers etc. complete as per CPHEEO specifications.							
	Supplying of 2 to 6 mm and 6 to 12 mm size fine pebble							
	Supplying of 2 to 6 mm and 6 to 12 mm size fine pebble	4	6.000	4.300	0.150		15.480	
	Total Quantity						15.480 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						15.480 cum	
	Say 15.480 cum @ Rs 8295.83 / cum						Rs 128419.45	
5	100.55.2 Supplying of 12 to 20mm size pebble (pebbles shall be hard, clean, free from clay, dust and other impurities), stacking in standard heaps for measurement including cost, conveyance up to 5km and labour charges for stacking, spreading, testing and as per the directions of the department officers etc complete and as per CPHEEO specification.							
	Supplying of 12 to 20mm size pebble							
	Supplying of 12 to 20mm size pebble	4	6.000	4.300	0.0750	0.5	3.870	
	Total Quantity						3.870 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						3.870 cum	
	Say 3.870 cum @ Rs 8295.83 / cum						Rs 32104.86	
6	100.55.3 Supplying of 20 to 40 mm pebble (pebbles shall be hard, clean, free from clay, dust and other impurities), stacking in standard heaps for measurement including cost, conveyance up to 5 km and labour charges for stacking, spreading, testing and as per directions of the department officers etc. complete and as per							

	CPHEEO specification.							
	Supplying of 20 to 40 mm pebble							
	Supplying of 20 to 40 mm pebble	4	6.000	4.300	0.075	0.5	3.870	
	Total Quantity							3.870 cum
	Total Deducted Quantity							0.000 cum
	Net Total Quantity							3.870 cum
	Say 3.870 cum @ Rs 8295.83 / cum							Rs 32104.86
7	od141370/2020_2021 Providing, laying and fixing 90mm PVC pipe filter laterals including concreting over the manifold of filter box							
	Providing Laterals in Filter box							
	Providing Laterals in Filter box	4*2*10	2.000				160.000	
	Total Quantity							160.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							160.000 metre
	Say 160.000 metre @ Rs 853.74 / metre							Rs 136598.40
8	15.12.1 Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead:Of area 3 sq. metres and below							
	Dismantling doors, windows							
	Dismantling doors	1					1.000	
	Dismantling windows	30					30.000	
	Total Quantity							31.000 No
	Total Deducted Quantity							0.000 No
	Net Total Quantity							31.000 No
	Say 31.000 No @ Rs 219.27 / No							Rs 6797.37
9	21.3.1 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in -Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness							
	Providing and fixing glazing in aluminium door, window, ventilator shutters							

	Providing and fixing glazing in aluminium door	1	1.200	2.100			2.520	
	Providing and fixing glazing in aluminium window, ventilator shutters	30	1.200	1.500			54.000	
	Total Quantity						56.520 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						56.520 sqm	
	Say 56.520 sqm @ Rs 1030.02 / sqm						Rs 58216.73	
10	14.29 Providing and fixing M.S. round or square bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows.							
	For replacing damaged MS rod/flat bar of window-4 nos in Chemical house, 4 nos vertical bar, 5 nos cross rod in each window, (4X1.5+5X1.2=12m), consider 0.62 kg/m	8	12.000			0.62	59.520	
	Total Quantity						59.520 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						59.520 kg	
	Say 59.520 kg @ Rs 85.85 / kg						Rs 5109.79	
11	10.6.2 Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.20 mm M.S. laths with 1.20 mm thick top cover							
	For replacing damaged rolling shutter of pump house	1	3.000	3.000			9.000	
	Total Quantity						9.000 sqm	
	Total Deducted Quantity						0.000 sqm	

		Net Total Quantity					9.000 sqm	
		Say 9.000 sqm @ Rs 2557.89 / sqm					Rs 23021.01	
12	15.23.1 Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.For thickness of tiles 10 mm to 25 mm							
	Dismantling tile work in floors							
	Dismantling tile work in floors -Filter box of size 6*4.3*2	4	20.600		2.000		164.800	
	Dismantling tile work in floors- trough	4	6.000	4.300			103.200	
	Dismantling tile work in floors on walk way around filter box including skirting	1	18.300	9.800			179.341	
	Dismantling work in floors below walkway of filter box	1	23.000	1.250			28.750	
	Dismantling work in floors below ladder to walkway	1	4.000	4.000			16.000	
	Dismantling tile work in floors-Lab	1	4.300	3.700			15.910	
	Dismantling tile work in walls-Lab	1	16.000		2.000		32.000	
	Dismantling tile work in walls of bench -Lab	1	3.250		0.800		2.600	
	Deduction of area over filter box	4	5.000	3.300	-1		-66.000	
		Total Quantity					476.601 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					476.601 sqm	
		Say 476.601 sqm @ Rs 43.83 / sqm					Rs 20889.42	
13	11.41.1 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Size of Tile 500x500 mm.							
	Providing and laying vitrified floor tiles							

	Providing and laying vitrified floor tiles work in floors -Filter box	4	20.600		2.000		164.800	
	Providing and laying vitrified floor tiles work in floors- trough	4	6.000	4.300			103.200	
	Providing and laying vitrified floor tiles work in floors around walk way of filter box	1	18.3000	9.800			179.341	
	Prividing tiles work below the walk way of filter box	1	23.000	1.250			28.750	
	Providing tiles work below the ladder area	1	4.000	4.000			16.000	
	Providing and laying vitrified floor tiles work in floors-Lab	1	4.300	3.700			15.910	
	Providing and laying tiles work on wall-Lab	1	16.000	2.000			32.000	
	Providing and laying tiles work on bench-Lab	1	3.200	0.800			2.561	
	Deduction for filter box	4	5.000	3.300	-1		-66.000	
	Flooring work in Pump house	1	10.500	6.000			63.000	
						Total Quantity	539.562 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	539.562 sqm	
						Say 539.562 sqm @ Rs 1373.06 / sqm	Rs 740851.00	
14	13.7.1 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)							
						Plastering of sump of inside size 10*10*3 m		
	Sump inside	4	10.000		3.000		120.000	
	Sump outside, only one side is exposed and to be plastered	1	10.500		3.000		31.500	
	floor, ceiling & top	3	10.000	10.000			300.000	

	Plastering in damaged portions of walls, ceiling and beams in pump house and chemical house	1			40.0	40.000			
	Total Quantity						491.500 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						491.500 sqm		
	Say 491.500 sqm @ Rs 315.05 / sqm						Rs 154847.08		
15	13.45.1 Finishing walls with textured exterior pint of required shade:New work (Two or more coats applied @ 3.28 ltr/ 10 sqm) over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm								
	Finishing walls with textured exterior paint								
	Filter House Inside & Out side, size 23*13*5.5	2	72.000		5.500		792.000		
	Inside wall(3 nos inner side) of Lab over wall tile (Room size-4.3*3.7*3)	3	16.000		1.500		72.000		
	Inside wall of chlorine room, 4*4*3- 2 nos inner walls	1	8.000		3.000		24.000		
	Wall on one side of filter house, 1m long and 3 m height	1	9.000		3.000		27.000		
	Wall below walkway of filter house 18m length and 3.5 m height	1	18.000		3.500		63.000		
	Wash water tank- L e n t g h = 2 2 . 5 m , Width=3.5 m, H=3.5m	1	62.000		3.500		217.000		
	CWPH inside & Out s i d e , L=11m*W=9m*H=4 m	2	40.000		4.000		320.000		
	Painting inside room o f C W P H , L=4.5,W=4m,H=3m	1	19.000		3.000		57.000		

Sump- One side is exposed and to be painted, L=10.5m*H=3m	1	10.500		3.000		31.500	
Clarifier out side-2nos, dia meter =16 m	2	50.240		4.600		462.208	
GLSR out side, L=31.5m,W=15m, H=4.2m	1	93.000		4.200		390.600	
Chemical House inside & outside, L=10.5m, W=7m, H=3m	2	35.000		3.000		210.000	
Deduct Deduct 31 nos window area of filter house	31	1.500	1.200			-55.800	
Deduct 4 nos door area of filter house	4	2.100	1.200			-10.080	
Deduct 1 no sliding grill area of filter house in Chlorine room	1	3.000	3.000			-9.000	
Deduct Chemical house window area-4nos	4	1.500	1.200			-7.199	
Deduct Chemical house door area-2nos	2	2.100	1.200			-5.040	
Deduct Quantities for 13 nos normal window, 2 upper widows and 2 nos open wall of CWPH	17	1.500	1.200			-30.599	
Deduct 3 nos door area of CWPH	3	2.100	1.200			-7.560	
Deduct 1 nos rolling shutter area of CWPH	1	3.000	3.000			-9.000	
						Total Quantity	2666.308 sqm
						Total Deducted Quantity	-134.278 sqm
						Net Total Quantity	2532.030 sqm
						Say 2532.030 sqm @ Rs 209.27 / sqm	Rs 529877.92

16	14.54.1 Painting with synthetic enamel paint of approved brand and manufacture of required colour to an give even shade:One or more coats on old work							
	Window frames with 1 inch angle iron(3 sides exposed)- 31 nos at filter house, 16 nos at pump house, 4 nos at chemical house. Height of window =1.5 m, width=1.2m,	51	5.400	0.750			206.551	
	Vertical window frame T section 25 mm-perimeter -150mm	51	1.500	0.150			11.475	
	Clarifier bridge	1				50.0	50.000	
	Total Quantity						268.026 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						268.026 sqm	
	Say 268.026 sqm @ Rs 71.26 / sqm						Rs 19099.53	
17	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							
	for levelling work of road to old clarifier							
	for leveling work of road to old clarifier	1	40.000	5.000	0.200		40.000	
	Total Quantity						40.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						40.000 cum	
	Say 40.000 cum @ Rs 231.15 / cum						Rs 9246.00	
18	4.1.3 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 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
	Road concreting							
	to Clarifier	1	40.000	5.000	0.150		30.000	
	In front of CWPH	1	12.000	10.000	0.150		18.000	

	to old WTP	1	30.000	5.000	0.150		22.500	
	Protection wall at CWPH	1	10.000	(0.6+0.3)/2	1.500		6.750	
	Total Quantity						77.250 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						77.250 cum	
	Say 77.250 cum @ Rs 7614.98 / cum						Rs 588257.21	
19	18.31.4.1 Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertion etc. (the tail pieces if required will be paid separately):200 mm diameter Class I							
	Replacing Scour Valves of Clariflocculators							
	200mm Scour Valves of Clariflocculators	2					2.000	
	Total Quantity						2.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						2.000 Nos	
	Say 2.000 Nos @ Rs 13341.61 / Nos						Rs 26683.22	
20	10.25.2 Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 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 gratings, frames, guard bar, ladder, railings, brackets, gates and similar works							
	Clarrifier bridge repairwork							
	Clarrifier bridge repair work	2				600.0	1200.000	
	Total Quantity						1200.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1200.000 kg	
	Say 1200.000 kg @ Rs 119.39 / kg						Rs 143268.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
4Construction of 5.00LL Capacity OHSR at Areekkathandu (Cost Index:38.91 %)								
1	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							
	Earth work in excavation by mechanical means							

	For Foundation-Ground levelling	1	16.000	12.000	1.400		268.800		
	Footings	20	1.800	1.800	1.500		97.200		
	Valve Chamber	1	1.800	1.800	1.500		4.860		
	Total Quantity						370.860 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						370.860 cum		
	Say 370.860 cum @ Rs 231.15 / cum						Rs 85724.29		
2	4.1.3 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 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)								
	PCC for Column Footings								
	PCC for Column Footings	20	1.800	1.800	0.150		9.720		
	Valve Chamber	1	1.800	1.800	0.100		0.325		
	Total Quantity						10.045 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						10.045 cum		
	Say 10.045 cum @ Rs 7614.98 / cum						Rs 76492.47		
3	5.33.1 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work upto plinth level								
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for Column Footings								
	For Column Footings	20	1.500	1.500	0.300		13.500		
	Sloping portion	20	1.000	1.000	0.600		12.000		
	Valve Chamber base slab	1	1.600	1.600	0.150		0.385		
	side wall	4	1.450	0.150	1.200		1.044		
	Total Quantity						26.929 cum		
	Total Deducted Quantity						0.000 cum		

	Net Total Quantity						26.929 cum	
	Say 26.929 cum @ Rs 8954.83 / cum						Rs 241144.62	
4	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
	Providing Centering and shuttering including strutting for Column Footings							
	For Column Footings	20*4	1.500		0.300		36.000	
	Sloping portion	20*4	1.000		0.600		48.000	
	Valve Chamber base slab	1*4	1.600		0.150		0.960	
	side wall	4*2	1.450		1.200		13.920	
	Total Quantity						98.880 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						98.880 sqm	
	Say 98.880 sqm @ Rs 269.42 / sqm						Rs 26640.25	
5	5.33.2 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work above plinth level upto floor V level							
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete							
	Tank Plinth Beams	8	3.000	0.300	0.450		3.240	
		6	2.830	0.300	0.450		2.293	
		2	12.600	0.300	0.450		3.402	
		3	8.900	0.300	0.450		3.605	
	Exterior Columns (500x500) Up to Base Slab of Tank	14	0.500	0.500	5.000		17.500	
	Interior columns (300x300)	6	0.500	0.500	5.000		7.500	
	Brace Beams (300x550)	8	3.000	0.300	0.550		3.960	

		6	2.830	0.300	0.550		2.802		
		2	12.600	0.300	0.550		4.158		
		3	8.900	0.300	0.550		4.406		
	Columns Above Floor Slab up to roof-Exterior	14	0.500	0.500	4.000		14.000		
	Interior columns	6	0.300	0.300	3.735		2.017		
	Floor Beams (300 x 550)	8	3.000	0.300	0.300		2.160		
		6	2.830	0.300	0.300		1.529		
		2	12.600	0.300	0.300		2.268		
		3	8.900	0.300	0.300		2.403		
	Base Slabe 250mm thick	1	16.000	12.000	0.250		48.000		
	Side Wall	1	49.000	0.250	4.000		49.000		
	Haunch	1*0.5	48.000	0.200	0.300		1.441		
	Roof Beams (300 x 400)	2	12.600	0.300	0.265		2.004		
		3	8.900	0.300	0.265		2.123		
	Roof Slab	1	14.900	10.900	0.135		21.926		
	Cover Slab of Valve Chamber	1	1.600	1.600	0.200		0.513		
	Deduction for Man hole Cover 4nos for tank & 1 no. valve chamber co	4	0.455	0.610	0.135		-0.149		
	1 no. valve chamber	1	0.455	0.610	0.200		-0.055		
		Total Quantity					202.250 cum		
		Total Deducted Quantity					-0.204 cum		
		Net Total Quantity					202.046 cum		
		Say 202.046 cum @ Rs 10071.04 / cum					Rs 2034813.35		
6	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers								
		Providing Centering and shuttering							
	Tank Plinth Beams	8	3.000	1.200			28.800		

		6	2.830	1.200			20.376	
		2	12.600	1.200			30.240	
		3	8.900	1.200			32.040	
	Brace Beams (300x550)	8	3.000	1.400			33.600	
		6	2.830	1.400			23.772	
		2	12.600	1.400			35.280	
		3	8.900	1.400			37.380	
	Floor Beams (300x550)	8	3.000	0.900			21.600	
		6	2.830	0.900			15.282	
		2	12.600	0.900			22.680	
		3	8.900	0.900			24.030	
	Roof Beams (300x400)	2	12.600	0.830			20.916	
		3	8.900	0.830			22.161	
	Cover Slab of Valve Chamber	4	1.600		0.200		1.281	
	Kerala Water Authority Total Quantity						369.438 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						369.438 sqm	
	Say 369.438 sqm @ Rs 476.32 / sqm						Rs 175970.71	
7	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts							
	Providing Centering and shuttering							
	Exterior Columns (500x500) Up to Base Slab of Tank	14	2.000		5.000		140.000	
	Interior columns (500x500) Up to Base Slab of Tank	6	2.000		5.750		69.000	
	Interior columns Up to Roof Slab of Tank	6	1.200		3.735		26.892	
	Side Wall inside &Out side	2	49.000		4.000		392.000	

	Haunch	1	48.000		0.300		14.400	
	Total Quantity						642.292 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						642.292 sqm	
	Say 642.292 sqm @ Rs 649.89 / sqm						Rs 417419.15	
8	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
	Providing Centering and shuttering							
	Base Slabe 250mm thick	1	16.000	12.000			192.000	
	Edge of slab	1	56.000	0.250			14.000	
	Roof Slab	1	14.900	10.900			162.410	
	Edge of slab	1	51.600		0.135		6.967	
	Total Quantity						375.377 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						375.377 sqm	
	Say 375.377 sqm @ Rs 586.62 / sqm						Rs 220203.66	
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							
	Steel reinforcement for R.C.C work							
	Steel reinforcement for R.C.C work Upto Plinth level @ 100 kg / cum	1	26.92900			100.0	2692.900	
	Steel reinforcement for R.C.C work above plinth @120kg/cum	1	202.046			120.0	24245.520	
	Total Quantity						26938.420 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						26938.420 kilogram	
	Say 26938.420 kilogram @ Rs 78.62 / kilogram						Rs 2117898.58	
10	13.7.1 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)							
	Providing 12 mm cement plaster finished with a floating coat							

Valve Chamber base slab	1*4	1.600		0.150		0.960	
side wall	4*2	1.450		1.200		13.920	
Providing 12 mm cement plaster finished with a floating coat							
Tank Plinth Beams	8	3.000	1.200			28.800	
	6	2.830	1.200			20.376	
	2	12.600	1.200			30.240	
	3	8.900	1.200			32.040	
Brace Beams (300x550)	8	3.000	1.700			40.800	
	6	2.830	1.700			28.866	
	2	12.600	1.700			42.840	
	3	8.900	1.700			45.390	
Floor Beams (300x550)	8	3.000	0.900			21.600	
	6	2.830	0.900			15.282	
	2	12.600	0.900			22.680	
	3	8.900	0.900			24.030	
Roof Beams (300x400)	2	12.600	0.860			21.672	
	3	8.900	0.860			22.962	
Providing 12 mm cement plaster finished with a floating coat							
Exterior Columns (500x500) Up to Base Slab of Tank	14	2.000		5.000		140.000	
Interior columns (500x500) Up to Base Slab of Tank	6	2.000		5.000		60.000	
Interior columns Up to Roof Slab of Tank	6	1.200		3.720		26.785	
Side Wall inside & Outside	2	49.000		4.000		392.000	
Haunch	1	48.000		0.300		14.400	
Providing 12 mm cement plaster finished with a floating coat							
Base Slabe 250mm thick Ceiling&Top	2	16.000	12.000			384.000	

	Edge of slab	1	56.000	0.250			14.000		
	R o o f S l a b C e i l i n g & T o p	2	14.900	10.900			324.820		
	Edge of slab	1	51.600		0.135		6.967		
	Total Quantity						1775.430 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						1775.430 sqm		
	Say 1775.430 sqm @ Rs 315.05 / sqm						Rs 559349.22		
11	13.44.1 Finishing walls with water proofing cement paint of required shade:New work (Two or more coats applied @ 3.84 kg/10 sqm)								
	Finishing walls with water proofing cement paint								
	Finishing walls with water proofing cement paint Qty same as plastering item	1					1751.43	1751.430	
	valve chamber Qty from plastering	1			28.800			-28.800	
	Total Quantity						1751.430 sqm		
	Total Deducted Quantity						-28.800 sqm		
	Net Total Quantity						1722.630 sqm		
	Say 1722.630 sqm @ Rs 81.68 / sqm						Rs 140704.42		
12	100.41.34 Supplying and fixing Rectangular CI manhole cover 455x610 mm with frame (low duty) charges including all cost, labour charges etc complete.								
	Providing Manhole Cover above Tank								
	Tank	4						4.000	
	Valve Chamber	1						1.000	
	Total Quantity						5.000 No		
	Total Deducted Quantity						0.000 No		
	Net Total Quantity						5.000 No		
	Say 5.000 No @ Rs 2840.71 / No						Rs 14203.55		
13	18.31.4.1 Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertion etc. (the tail pieces if required will be paid separately):200 mm diameterClass I								
	Valves 200mm								

	Inlet Valve	1					1.000		
	Total Quantity						1.000 Nos		
	Total Deducted Quantity						0.000 Nos		
	Net Total Quantity						1.000 Nos		
	Say 1.000 Nos @ Rs 13341.61 / Nos						Rs 13341.61		
14	18.31.5.2 Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertion etc. (the tail pieces if required will be paid separately):250 mm diameterClass II								
	Providing Out let Valve								
	Providing Out let Valve & and Scour valve	2					2.000		
	Total Quantity						2.000 Nos		
	Total Deducted Quantity						0.000 Nos		
	Net Total Quantity						2.000 Nos		
	Say 2.000 Nos @ Rs 25363.37 / Nos						Rs 50726.74		
15	od200238/2020_2021 Providing and fitting wall casting pipes suitable for mechanical jointing as per IS : 9523 : Upto 600 mm dia								
	Wall Casting Pipes 200mm (Inlet & overflow)-46kg/each, 1 no spare	3				0.46	1.381		
	Wall Casting Pipes 250/eachmm (Scour & Outlet)-64 kg/each	2				0.64	1.280		
	Total Quantity						2.661 quintal		
	Total Deducted Quantity						0.000 quintal		
	Net Total Quantity						2.661 quintal		
	Say 2.661 quintal @ Rs 22513.78 / quintal						Rs 59909.17		
16	10.26.3 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approves steel primer.G.I. pipes								
	Providing Ladder and Hand rails								

	Providing Ladder- Vertical length 5 m to top of tank and 4 m form top of tank to bottom inside=9m, consider 50 mm angle iron 3kg/m	2	9.000				3.0	54.000	
	Providing Ladder- Consider 35 mm GI Angle iron for crossing at 0.3 m interval. 0.4m length/each @ 2.6 kg/m	1	30.000				2.6	78.000	
	Providing Hand rails- Perimeter around the tank to provide Hand rail =(16+12)x2=56 m, Horizontal pipes for a length of 56 m in 2 rows+ 56 legs at 0.7 m Height, ie, 151.2 m @2.01 kg/m	1	151.200				2.01	303.912	
	Total Quantity							435.912 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							435.912 kg	
	Say 435.912 kg @ Rs 139.26 / kg							Rs 60705.11	
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
5Construction of Protection Wall at West side of OHSR (Cost Index:38.91 %)									
1	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								
	Earth work in excavation by mechanical means. All kinds of soil								
	Protection wall foundation	1	18.000	0.900	2.000			32.400	
	Foundation of Compound wall	1	18+15+15	0.600	0.600			17.280	
	Total Quantity							49.680 cum	
	Total Deducted Quantity							0.000 cum	

	Net Total Quantity						49.680 cum	
	Say 49.680 cum @ Rs 231.15 / cum						Rs 11483.53	
2	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)							
	Providing and laying in position cement concrete 1:4:8							
	Protection wall foundation	1	15.000	0.900	0.200		2.700	
	Total Quantity						2.700 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2.700 cum	
	Say 2.700 cum @ Rs 6220.60 / cum						Rs 16795.62	
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)							
	Providing Random rubble masonry							
	Random rubble masonry Protection wall	1	18.000	(0.9+0.6)/2	2.000		27.000	
	Foundation of Compound wall	1	18+15+15	0.600	0.600		17.280	
	Total Quantity						44.280 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						44.280 cum	
	Say 44.280 cum @ Rs 5508.96 / cum						Rs 243936.75	
4	50.6.1.1 Solid block masonry using pre cast solid blocks (factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part 1 of 1979 for foundation and plinth with thickness 20 cm and above in: CM 1:6 (1 cement : 6 coarse sand) etc complete							
	Providing Solid block masonry using pre cast solid blocks							
	Solid block masonry using pre cast solid blocksof Compound wall	1	18+15+15	0.200	1.500		14.401	
	Total Quantity						14.401 cum	

		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					14.401 cum	
		Say 14.401 cum @ Rs 5185.86 / cum					Rs 74681.57	
5	13.33.1 Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand):Flush/ Ruled pointing							
Pointing on Random rubble masonry								
	Pointing on Random rubble masonry Protection wall CM1:3	1	18.000		2.000		36.000	
		Total Quantity					36.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					36.000 sqm	
		Say 36.000 sqm @ Rs 233.99 / sqm					Rs 8423.64	
6	13.2.1 15 mm cement plaster on the rough side of single or half brick wall of mix:1:4 (1 cement :4 fine sand)							
Providing 15 mm cement plaster on the rough side								
	15 mm cement plaster on the rough side of Compound wall	2	18+15+15		1.500		144.000	
		Total Quantity					144.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					144.000 sqm	
		Say 144.000 sqm @ Rs 278.17 / sqm					Rs 40056.48	
7	4.1.3 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 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
CC 1:2:4 Belt concrete								
	Middle of Wall	1	18.000	0.750	0.100		1.350	
	Top of wall	1	18.000	0.600	0.150		1.620	
	Top of Compound wall foundation	1	15+18+15	0.600	0.100		2.880	
		Total Quantity					5.850 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					5.850 cum	
		Say 5.850 cum @ Rs 7614.98 / cum					Rs 44547.63	

8	10.26.3 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.G.I. pipes							
GI Pipe Hand Rails								
	GI Pipe Hand Rails 18m	1				60.0	60.000	
Total Quantity							60.000 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							60.000 kg	
Say 60.000 kg @ Rs 139.26 / kg							Rs 8355.60	
SI No	Description	No	L	B	D	CF	Quantity	Remark
6Supply and Erection of Clear Water Pumpsets (Cost Index:38.91 %)								
1	od141334/2020_2021 Supply and erection of 15HP Centrifugal Pumps having discharge of 9lps for a total head of 81m for Zone_I (Rates as per Proceedings No KWA/HO/SP-333/2014 dtd 18.03.2016)							
Clear Water Pumps for Zone _II								
	15hp CF Pumps	2					2.000	
Total Quantity							2.000 Nos	
Total Deducted Quantity							0.000 Nos	
Net Total Quantity							2.000 Nos	
Say 2.000 Nos @ Rs 316482.85 / Nos							Rs 632965.70	
2	100.37.6.1 Fabricating MS pipes of size 150mm (ID) using 8 mm thick MS plate including cost and conveyance charges of MS plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under coat of primer etc. complete: For pipes fabricated with 8mm thick MS plates.							
150mm MS fabricated delivery pipes								
	150mm MS pipe for Delivery pipes to connect the Pumping main	1	28.000				28.000	
Total Quantity							28.000 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							28.000 metre	
Say 28.000 metre @ Rs 4244.92 / metre							Rs 118857.76	
3	od141342/2020_2021 Supply and erection of 60HP Clear Water Pumps having discharge of 31lps and Total Head of 95m for							

	Zone_I							
	60hp CF pumps for Clear Water Pumps for Zone_I							
	60hp CF pumps for Clear Water Pumps for Zone_I	2					2.000	
	Total Quantity						2.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						2.000 Nos	
	Say 2.000 Nos @ Rs 914058.92 / Nos						Rs 1828117.84	
4	100.37.7.1 Fabricating MS pipes of size 200mm (ID) using 8 mm thick MS plate including cost and conveyance charges of MS plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under coat of primer etc. complete: For pipes fabricated with 8mm thick MS plates.							
	200mm MS fabricated delivery pipes							
	200mm MS pipe for Delivery pipes to connect the Pumping main	1	28.000				28.000	
	Total Quantity						28.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						28.000 metre	
	Say 28.000 metre @ Rs 5013.30 / metre						Rs 140372.40	
5	od141349/2020_2021 Approval from Electrical Inspectorate including preparation of drawings, obtaining approval for the drawings, arranging inspection of the installations and obtaining safety certificate et; after completion of the works. The necessary statutory fees, if any, payable to the Electrical Inspectorate / KSEB will be paid by KWA. (Note : Scheme approval from the Electrical Inspectorate has to be obtained before supplying the equipments. Payment for the supply of materials will be released only on production of scheme approval).							
	Approval from Electrical Inspectorate including preparation of drawings							
	Approval from Electrical Inspectorate including preparation of drawings	1					1.000	
	Total Quantity						1.000 L.S	
	Total Deducted Quantity						0.000 L.S	
	Net Total Quantity						1.000 L.S	

	Say 1.000 L.S @ Rs 10000.00 / L.S						Rs 10000.00	
6	od141350/2020_2021 Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required							
	For fixing Switches							
	For fixing Switches, Light and Fan connection points	9					9.000	
	Total Quantity						9.000 No	
	Total Deducted Quantity						0.000 No	
	Net Total Quantity						9.000 No	
	Say 9.000 No @ Rs 433.24 / No						Rs 3899.16	
7	od141351/2020_2021 1200 mm sweep- 5 star rated Ceiling fan, complete with 300mm down rod, canopies, shackles and blades and resistance type regulator working on 230/240V single phase A/C							
	Fans in PUMP HOUSE							
	Fans in PUMP HOUSE	2					2.000	
	Total Quantity						2.000 No	
	Total Deducted Quantity						0.000 No	
	Net Total Quantity						2.000 No	
	Say 2.000 No @ Rs 1974.55 / No						Rs 3949.10	
8	od141352/2020_2021 1x20 W LED box type tube fittings. The fittings shall be made from CRCA MS sheet of minimum thickness 0.50 mm nominal thickness inside & outside (including LED Tube).							
	For Lights in PH							
	For Lights in PH	5					5.000	
	Total Quantity						5.000 No	
	Total Deducted Quantity						0.000 No	
	Net Total Quantity						5.000 No	
	Say 5.000 No @ Rs 1103.42 / No						Rs 5517.10	
9	od141353/2020_2021 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 steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.							
	Wiring for light point/ fan point/ exhaust fan point/ call bell point							

	Wiring for light point/ fan point/ exhaust fan point/ call bell point	10						10.000	
	Total Quantity							10.000 No	
	Total Deducted Quantity							0.000 No	
	Net Total Quantity							10.000 No	
	Say 10.000 No @ Rs 1154.53 / No							Rs 11545.30	
10	od141354/2020_2021 Supply,laying,termination and connecting of (3.5x70 sq mm rating /suitable size) (AYFY/XLPE) insulated armoured cables for working voltage upto 1100V confirming IS 694 (additional cable beyond the initional supply of 10m).								
	Cable for obtaining connection from KSEB								
	Cable for obtaining connection from KSEB	1	50.000					50.000	
	Total Quantity							50.000 metre	
	Total Deducted Quantity							0.000 metre	
	Net Total Quantity							50.000 metre	
	Say 50.000 metre @ Rs 908.29 / metre							Rs 45414.50	
11	od141355/2020_2021 Providing Water Supply arrangements & Electrification for clear water pump house								
	For KSEB connection and Providing Water Supply at CWPB								
	For KSEB connection and Providing Water Supply at CWPB	1						1.000	
	Total Quantity							1.000 L.S	
	Total Deducted Quantity							0.000 L.S	
	Net Total Quantity							1.000 L.S	
	Say 1.000 L.S @ Rs 100000.00 / L.S							Rs 100000.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
7Road Restoration for FHTC Road Crossings (Cost Index:38.91 %)									
1	od141733/2020_2021 Road restoration charges for PWD BM BC road surface cutting								
	Road restoration charges for PWD BM BC road surface cutting								
	Road Crossing	100	8.000	0.700			560.000		
	Total Quantity							560.000 sqm	

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					560.000 sqm	
		Say 560.000 sqm @ Rs 3633.67 / sqm					Rs 2034855.20	
2	od141734/2020_2021 Road restoration charges for 20mm open graded chipping carpet surface cutting							
		Road restoration charges for 20mm open graded chipping carpet surface cutting						
	Road Crossing	280	4.000	0.300			336.000	
		Total Quantity					336.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					336.000 sqm	
		Say 336.000 sqm @ Rs 2759.57 / sqm					Rs 927215.52	
		Total					40670172.95	
		Centage @					0.0%	
		Centage Amount					0.00	
		Provision for GST payments (in %) @					12.0%	
		Amount reserved for GST payments					4880420.75	
		Total & Centage					45550593.70	
		Lumpsum for round off					49406.30	
		GRAND TOTAL Rs					45600000.00	
							Rounded Grand Total Rs 4,56,00,000	
							Rupees Four Crore Fifty Six Lakh Only	