AS and TS Approved

## **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

(Dsor year: 2016)

SI No	Description	No	L	В	D	CF	Quantity	Remark		
	1APPENDIX - A. P.	ART - I - Pr	oviding Ho	use connec	tion (C	ost Index:3	8.91 %)			
1	100.60.1.1.2 Providing 15mm (1/2 i HDPE mains up to 110 and uPVC / GM / Brass PVC Service Saddle of including trenching and of average cross section lighting, watching, provider tools, cost of consumeter with ISI mark and 150mm, but excluding	nch) house mm dia., us specials via suitable size refilling in on 0.3m x 0 iding caution umables an ind weather charges fo	e connection to a length z. brass ferion and continuation and the continuation and the country that the country the country the country that the country the country the country that the country the country that	n with 15mm h of 5 m using the connecting to a connecting connecting connecting connecting control arges, inclus PP / PE mer	n (1/2 inch) ng 20mm In way wheel with the ma depth of 1.5 tion pipe ar etc. comple ding the co	ndian Stand valve, Elborins, testing for main of service pete including st of tested minimum size	ard Class 6 w, MTA, FT, the joints etc line tracing lipe, fixing w g cost of ma Class B Mu ze 300mm	uPVC pipe A, couplers, c. complete and trench vater meter, terials, hire ultijet water x 200mm x		
	direction of the departr	nental offic		OVIDING FH	ITC	1				
	FHTC UP TO 110MM PIPE	1800	PRO	JVIDING FF	110		1800.000			
					To	tal Quantity	1800.000	Nos		
				Т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	1800.000 N	los		
			Say	1800.000 N	os @ Rs 48	36.08 / Nos	Rs 870	4944.00		
2	Say 1800.000 Nos @ Rs 4836.08 / Nos   Rs 8704944.00    100.60.1.4.2    Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing AC / G 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 E Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x									

por uno ambolioni or uno	аоранинон	tal officers.								
		PRO	OVIDING FH	HTC						
FHTC UP TO 125MM GI PIPE	791					791.000				
				То	tal Quantity	791.000 No	os			
			Т	otal Deduct	ed Quantity	0.000 Nos				
				Net To	tal Quantity	ity 791.000 Nos				
	Say 791.000 Nos @ Rs 4948.98 / Nos Rs 3914643.18									
HDPE mains from 1400 uPVC pipe and uPVC for FTA, couplers, PVC Se etc. complete including tracing and trench of a fixing water meter, lighting of materials, hire for too Multijet water meter with 200mm x 150mm, but exper the direction of the	GM / Bra rvice Sadd trenching verage cro ng, watching ols, cost of th ISI mark excluding c	ss specials le of suitable and refilling ss section 0 ng, providing consumable and weathe harges for o tal officers.	viz. brass for size etc. and g in all kind 0.3m x 0.75rg caution bookers and labourer resistant	errule, GM to nd connection is of soil up in for laying ards, traffic in charges, in PP / PE me concrete / tar	full way when gwith the roto a depth connection control etc. ancluding the ter box of n	eel valve, E mains, testin of 1.50m fo pipe and se complete inc cost of test ninimum size	lbow, MTA  g the joint or main line ervice pipe cluding cos ted Class I e 300mm			
FHTC UP TO 200MM PIPE	400	R		E	1	400.000				
				To						
					tal Quantity	400.000 No	os			
			Т		tal Quantity ed Quantity		os			
			Ţ	otal Deduct	ed Quantity					
		Say	T y 400.000 N	otal Deduct	ed Quantity tal Quantity	0.000 Nos 400.000 No	os			

				7	otal Deduc	ted Quantity	0.000 metre			
					Net T	otal Quantity	44865.000 n	netre		
			Say 44	865.000 met	re @ Rs 12	26.51 / metre	Rs 5675	871.15		
5	100.60.12.3.1 Providing 15mm PV Standard Class 6 uF tools and labour cha	PVC pipes an	d specials i	ncluding co	st of mater	ials, consum	ables, hire c			
		2991					2991.000			
					T,	otal Quantity		os		
				7	otal Deduc	ted Quantity	0.000 Nos			
			B	Re-	Net T	otal Quantity	2991.000 No	os		
			Sa	y 2991.000	Nos @ Rs	423.11 / Nos	Rs 1265	522.01		
6	od125547/2020_202 Providing Geo Taggi copies im KML forma	ing to the nev				1	-	ion of s		
		2991		55	5_2T		2991.000			
	Total Quantity 2991.000 No									
	Total Deducted Quantity 0.000 No									
	Kerala Water Authori Net Total Quantity 2991.000 No									
					2	s 20.00 / No				
				3ay 2991.0	OU NO W N		1/3 330	20.00		
7	15.2.1 Demolishing cement metres lead as per d design mix)		, ,	mechanical	means incl	uding dispos	sal of materia	l within		
7	Demolishing cement metres lead as per d		, ,	mechanical	means incl	uding dispos	sal of materia	l within		
7	Demolishing cement metres lead as per d design mix)	irection of En	gineer - in-0	mechanical Charge.Nom	means inclinal concre	uding dispos	cal of materia cher mix (i/c 24.000	l within equival		
7	Demolishing cement metres lead as per d design mix)	irection of En	gineer - in-0	mechanical Charge.Nom	means inclinal concre 0.150	uding dispos ete 1:3:6 or ri	cher mix (i/c 24.000	l within equival		
7	Demolishing cement metres lead as per d design mix)	irection of En	gineer - in-0	mechanical Charge.Nom	means inclinal concre  0.150  Total Deduc	uding disposete 1:3:6 or ri	cher mix (i/c 24.000	l within equival		
7	Demolishing cement metres lead as per d design mix)	irection of En	gineer - in-0	mechanical Charge.Nom 0.200	means inclinal concre  0.150  Total Deduc	uding disposete 1:3:6 or ri	24.000 cum	l within equivale		
8	Demolishing cement metres lead as per d design mix)	us / concrete gnment of the and conveyacing, caution e, before car	4.000  4.000  Saroads with expipe to be noce of tools boards, trarging out the	mechanical Charge.Nom 0.200  ay 24.000 cu cutting macl laid without and plant, affice divers	neans inclinal concre  0.150  Total Deduction  Net Total Met Total Concrete or a recausing an cost of corion, and as	uding disposete 1:3:6 or riverse 1:3:6 o	24.000 cum  24.000 cum  24.000 cum  24.000 cum  24.000 cum  cher of 200mm other utilities and charges frection of depressions	40.00  along to include or lightiographe		

	road crossing	266*2	4.000				2128.000			
		100*2	8.000				1600.000			
	connection pits	1200	1.5+1.5				3600.000			
					Тс	tal Quantity	7328.000 r	netre		
					Total Deduct	ed Quantity	0.000 metre	)		
					Net To	tal Quantity	7328.000 m	etre		
	Say 7328.000 metre @ Rs 31.67 / metre Rs 232077.76									
9	15.59 Dismantling of flexible pmaterial up to a lead of	•		, .			l disposal of	dismantle		
	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			
		f L"	The state	51/1	To	otal Quantity	241.441 cu	m		
		14	11	PAL!	Total Deduct	ed Quantity	0.000 cum			
	Net Total Quantity 241.441 cum									
					Net I c	ital Quantity	241.441 cui	n		
10	16.42		Sa	y 241.441 (	100	84.07 / cum				
10	16.42 Cement concrete 1:2:4 pavements, laid to requ tamping complete Road Crossing	uired slope	2 coarse	sand: 4 gra	cum @ Rs 2	84.07 / cum	Rs 685	586.14 nal size ) i		
10	Cement concrete 1:2:4 pavements, laid to requatemping complete	uired slope	2 coarse s	sand : 4 grain panels a	cum @ Rs 2 aded stone a s required in	84.07 / cum	Rs 685	586.14 nal size ) i		
10	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit	uired slope	2 coarse s and camber 4.000	sand: 4 grain panels a	cum @ Rs 2 aded stone as required in 0.150	84.07 / cum	Rs 685 0 mm nominesolidation finesolidation finesol	586.14 nal size ) i nishing an		
10	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit	uired slope	2 coarse s and camber 4.000	sand: 4 grain panels a  0.200  0.600	cum @ Rs 2 aded stone as required in 0.150  To	84.07 / cum	Rs 685 0 mm nomir solidation fin 24.000 97.200 121.200 cu	586.14 nal size ) i nishing an		
10	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit	uired slope	2 coarse s and camber 4.000	sand: 4 grain panels a  0.200  0.600	cum @ Rs 2 aded stone a s required in 0.150  To Total Deduct	84.07 / cum aggregate 4 ncluding con the stal Quantity and Quantity	Rs 685 0 mm nomir solidation fin 24.000 97.200 121.200 cu	nal size ) i		
10	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit	uired slope	2 coarse sand camber 4.000 0.900	sand: 4 grain panels a  0.200  0.600	cum @ Rs 2 aded stone as required in 0.150  To Total Deduct Net To	84.07 / cum aggregate 4 ncluding con the stal Quantity and Quantity	Rs 685 0 mm nomiresolidation fine 24.000 97.200 121.200 cu 0.000 cum	nal size ) in hishing and		
10 SI No	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit	uired slope	2 coarse sand camber 4.000 0.900	sand: 4 grain panels a  0.200  0.600	cum @ Rs 2 aded stone as required in 0.150  To Total Deduct Net To	aggregate 4 nocluding con otal Quantity sted Quantity otal Quantity	Rs 685 0 mm nomire solidation fine 24.000 97.200 121.200 cum 121.200 cum	nal size ) in hishing and		
	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit concreting	200 1200	2 coarse s and camber 4.000 0.900	9 sand : 4 grain panels a 0.200 0.600	cum @ Rs 2 aded stone a s required in  0.150  Total Deduct  Net To  Im @ Rs 76	aggregate 4 noluding condition tal Quantity ted Quantity tal Quantity 45.33 / cum	Rs 685 0 mm nominisolidation fin 24.000 97.200 121.200 cu 0.000 cum 121.200 cui Rs 926	nal size ) in hishing and		
	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit concreting	200 - 1200 No ter Connect	2 coarse sand camber 4.000 0.900  Say	9.200 0.600 0.600 0.600	cum @ Rs 2 aded stone a s required in  0.150  To  Total Deduct  Net To  um @ Rs 76  D  t Index:38.9	aggregate 4 notal Quantity ted Quantity otal Quantity 45.33 / cum cr	Rs 685 0 mm nomire solidation fine 24.000 97.200 121.200 cum 121.200 cum 121.200 cum Rs 926 Quantity	mal size ) inishing an		
Si No	Cement concrete 1:2:4 pavements, laid to requ tamping complete  Road Crossing  Connection Pit concreting  Description  2War  od159907/2020_2021 Charges for application	200 - 1200 No ter Connect	2 coarse sand camber 4.000 0.900  Say	9.200 0.600 0.600 0.600	cum @ Rs 2 aded stone a s required in  0.150  To  Total Deduct  Net To  um @ Rs 76  D  t Index:38.9	aggregate 4 nocluding condition  atal Quantity atal Quantity atal Quantity atal Quantity atal Quantity  45.33 / cum    CF	Rs 685 0 mm nomire solidation fine 24.000 97.200 121.200 cum 121.200 cum 121.200 cum Rs 926 Quantity	mal size ) in hishing and management		

				٦	Total Deduct	ed Quantity	0.000 No		
					Net To	tal Quantity	2991.000 N	lo	
			S	Say 2991.00	0 No @ Rs	575.00 / No	Rs 1719	9825.00	
SI No	Description	No	L	В	D	CF	Quantity	Remark	
	3Renovation	of Existing	g WTP at Th	odupuzha	(Cost In	dex:38.91 %	<b>%</b> )		
1	100.55.5 Removing filter media back manifolds and stadirections of the depart	acking at a	safe and c	onvenient į	•	•	ū		
	Removing filter media from the filter beds								
	Removing filter media from the filter beds	4	6.000	4.300	1.200		123.840		
			-11	116	Тс	tal Quantity	123.840 cu	ım	
			44 9		Total Deduct	ed Quantity	0.000 cum		
		11		20/1	Net To	tal Quantity	123.840 cu	m	
	Say 123.840 cum @ Rs 681.01 / cum Rs 84336.28							336.28	
2	100.55.6 Cleaning, drying and se spreading in the filter be	ox in layers		ifications a	nd as per di	rections of the	•		
	Cleaning, drying and seiving the removed filter media	P <sub>4</sub> ]	6.000	4.300	0.300		30.960		
					Тс	tal Quantity	30.960 cur	n	
				7	Total Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	30.960 cum	1	
			Sa	у 30.960 си	ım @ Rs 17	49.78 / cum	Rs 54	173.19	
3	100.55.4 Supplying and stackin uniformity coefficient 1. from clay, dust and ot materials up to 5 km a CPHEEO specification	30 to 1.7, on the second and as per and as per	of specific gr ties includin	ravity in the g cost of n	range of 2.	55 - 2.65 ar bour charg	nd hard and es and con	clean, free veyance of	
	Supplying and st	acking for r	measuremen	t of filter sa	nd having e	ffective 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		
					То	tal Quantity	61.920 cur	n	
				Т	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	61.920 cum	ı	
			n @ Rs 1050	69.43 / cum	Rs 654	459.11			
4	Supplying of 2 to 6 mm and 6 to 12 mm size fine pebble (pebbles shall be hard, clean, free fro dust and other impurities), stacking in standard heaps for measurement including cost, conveyance 5 km and labour charges for stacking, spreading, testing and as per the directions of the department of the								
		Supplying	of 2 to 6 mi	m and 6 to 1	2 mm size f	ine pebble	I		
	Supplying of 2 to 6 mm and 6 to 12 mm size fine pebble	4	6.000	4.300	0.150	Ł	15.480		
		THE STATE OF THE S			То	tal Quantity	15.480 cur	n	
			No.		otal Deduct				
		Kera	ala Wat	er Auth	OTINE To	tal Quantity	15.480 cum	1	
			Sa	ıy 15.480 cu	ım @ Rs 829	95.83 / cum	Rs 128	419.45	
5	100.55.2 Supplying of 12 to 20 impurities), stacking in labour charges for stacking complete and as per C	standard cking, sprea	heaps for nading, testin	neasuremei	nt including	cost, conve	eyance up t	o 5km and	
		;	Supplying of	12 to 20mn	n size pebble	Э			
	Supplying of 12 to 20mm size pebble	4	6.000	4.300	0.0750	0.5	3.870		
					То	tal Quantity	3.870 cum		
				7	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	3.870 cum		
			S	Say 3.870 cu	ım @ Rs 829	95.83 / cum	Rs 32	104.86	
6	100.55.3 Supplying of 20 to 40 m stacking in standard he for stacking, spreading,	aps for me	asurement i	ncluding co	st, conveyar	nce up to 5	km and labo	our charges	

	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				
					Tot	al Quantity	3.870 cum				
				7	otal Deducte	ed Quantity	0.000 cum				
					Net Tot	al Quantity	/ 3.870 cum				
			S	ay 3.870 cu	ım @ Rs 829	95.83 / cum	Rs 32	104.86			
7	od141370/2020_2021 Providing, laying and fix box	king 90mm	PVC pipe f	lter laterals	including co	encreting ov	er the mani	ifold of filt			
			Providing	Laterals in	Filter box						
	Providing Laterals in Filter box	4*2*10	2.000	A.A.	TO		160.000				
					Tot	al Quantity	160.000 m	etre			
		145	11	Marky	otal Deducte	ed Quantity	0.000 metro	е			
	- 1				Net Tot	al Quantity	160.000 me	etre			
			Say 1	60.000 met	re @ Rs 853	3.74 / metre	Rs 136	598.40			
8	15.12.1 Dismantling doors, wir architrave, holdfasts et	ndows and		windows (	steel or woo	1	•				
			Disman	ling doors,	windows		Г	T			
	Dismantling doors	1					1.000				
	Dismantling windows	30					30.000				
					Tot	al Quantity	31.000 No				
				7	otal Deducte	ed Quantity	0.000 No				
					Net Tot	al Quantity	31.000 No				
				Say 31.00	0 No @ Rs 2	219.27 / No	Rs 67	97.37			
9	21.3.1 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EF rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engine in -Charge. ( Cost of aluminium snap beading shall be paid in basic item):With float glass panes of							f Enginee			
	mm thickness										

			1		1		1			
	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			
					To	tal Quantity	56.520 sqr	n		
				7	Total Deduct			0.000 sqm		
		tal Quantity	56.520 sqm	1						
			Sa	ay 56.520 sc	ım @ Rs 103	30.02 / sgm	Rs 582	216.73		
10	14.29 Providing and fixing M. windows and clerestory			s with M.S.	flats at requ	uired spacin	g in woode	n frames of		
	For replacing damaged MS rod/flat bar of window-4 nos in Chemical house, 4 nos vertical bar, 5 nos cross rod in each w i n d o w , (4X1.5+5X1.2=12m), consider 0.62 kg/m	8 Kera	12.000 ala Wat	er Auth	ority	0.62	59.520			
			K		То	tal Quantity	59.520 kg			
					otal Deduct	ed Quantity	0.000 kg			
					Net To	tal Quantity	59.520 kg			
				Say 59.	520 kg @ R	s 85.85 / kg	Rs 51	09.79		
11	10.6.2 Supplying and fixing rotogether through their edesigned pipe shaft with and pull operation comparings manufactured fand M.S. top cover of rotop cover	entire lengt n brackets, nplete, incl rom high te	h and jointe side guides uding the c ensile steel	ed together and arrange ost of provi	at the end be ments for indigening and fixed fixed at the service of the service	y end locks nside and ou king necess oth conform	, mounted outside locking ary 27.5 cm ing to IS: 44	on specially g with push n long wire 154 - part 1		
	For replacing damaged rolling shutter of pump house	1	3.000	3.000			9.000			
					To	tal Quantity	9.000 sqm			
					Total Deduct	ed Quantity	0.000 sqm			

					Net Tota	al Quantity	9.000 sqm	
			S	ay 9.000 sc	m @ Rs 255	7.89 / sqm	Rs 230	)21.01
12	15.23.1 Dismantling tile work in fl lead.For thickness of tiles			cement mor	tar including	stacking ma	aterial withir	n 50 metre
			Dismantl	ing tile work	c 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 V os	4.000	4.000	o si ta i		16.000	
	Dismantling tile work in floors-Lab		4.300	3.700		1	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	4	5.000	3.300	-1		-66.000	
					Tota	al Quantity	476.601 sq	lm
				7	Total Deducte	d Quantity	0.000 sqm	
					Net Tota	al Quantity	476.601 sqı	m
			S	ay 476.601	sqm @ Rs 4	3.83 / sqm	Rs 208	389.42
13	11.41.1 Providing and laying vitr with water absorption les shades, laid on 20 mm t with white cement and m	s than 0. hick cem	08% and con ent mortar 1:	forming to I	S : 15622, of t : 4 coarse s	approved rand), includ	nake, in all d ding groutin	colours ar
					fied floor tiles			

	and to be plastered  floor, ceiling & top	3	10.000	10.000	3.000		300.000	
	Sump outside, only one side is exposed	1	10.500		3.000		31.500	
	Sump inside	4	10.000		3.000		120.000	
					size 10*10*			
14	13.7.1 12 mm cement plaster fi	inished with	n a floating o	coat of neat	cement of m	ix:1:3 ( 1 ce	ment : 3 fine	e sand)
			Say	/ 539.562 sq	ım @ Rs 137			851.00
				'		<u> </u>	539.562 sq	m
				Т	otal Deduct	<u>-</u>		<u> </u>
	house				T	tal Quantity		ım
	Flooring work in Pump	1	10.500	6.000			63.000	
	Deduction for filter box	94	5.000	3.300	-1	1	-66.000	
	Providing and laying tiles work on bench-	Kera	al <b>a.200</b> at	er Auth	010.890		2.561	
	Providing and laying tiles work on wall-Lab	1	16.000	2.000			32.000	
	Providing and laying vitrified floor tiles work in floors-Lab	1	4.300	3.700	H		15.910	
	Providing tiles work below the ladder area	1	4.000	4.000			16.000	
	Prividing tiles work below the walk way of filter box	1	23.000	1.250			28.750	
	Providing and laying vitrified floor tiles work in floors around walk way of filter box	1	18.3000	9.800			179.341	
	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 -Filter box	4	20.600		2.000		164.800	

	Plastering in damaged portions of walls, ceiling and beams in pump house and chemical house	1		Т	To otal Deduct		40.000 491.500 sq 0.000 sqm	mp
					Net To	tal Quantity	491.500 sq	m
	10.17.1		Say	y 491.500 s	qm @ Rs 3	15.05 / sqm	Rs 154	847.08
15	13.45.1 Finishing walls with textured exterior pint of required shade:New work (Two or more coats applied @ 3 ltr/ 10 sqm ) over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm							
		Fin	ishing walls	with texture	d exterior pa	aint		
	Filter House Inside & Out side, size 23*13*5.5	2	72.000	SX	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	L	72.000	
	Inside wall of chlorine room, 4*4*3- 2 nos inner walls	Kera	ala Wate	er Auth	ority 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- Lentgh=22.5m, Width=3.5m, 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 of CWPH, L=4.5,W=4m,H=3m	1	19.000		3.000		57.000	

Sump- One side is exposed and to be p a i n t e d, $L=10.5 \text{m}^{*}\text{H}=3\text{m}$	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	-M	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	TA		-10.080	
Deduct 1 no sliding grill area of filter house in Chlorine room	1	3.000	3.000 er Auth			-9.000	
Deduct Chemical house window area-	Kera D4	1.500	1.200	1 F	1	-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	
				To	tal Quantity	2666.308 s	 sqm
			Т	otal Deduct	ed Quantity	-134.278 sc	ηm
				Net To	tal Quantity	2532.030 s	qm
		Say	2532.030 s	qm @ Rs 2	09.27 / sqm	Rs 529	877.92

16	14.54.1 Painting with synthetic even shade:One or more	-		ved brand	and manufa	cture of req	uired colou	r to an give
	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	C.01			50.0	50.000	
		1	37 5	K X	To	tal Quantity	268.026 sc	mp
		( )		2014	Total Deduct	ed Quantity	0.000 sqm	
		15	LE		Net To	tal Quantity	268.026 sq	m
17	2.8.1		S	ay 268.026	sqm @ Rs	71.26 / sqm	Rs 19	099.53
17	2.8.1 Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as directions).	exceeding t up to 1.5 ted, withir	chanical mea g 1.5 m in w 5 m, includin	ans (Hydra idth or 10 : g getting o 0 m.All kin	ulic excava sqm on plar out the exca ds of soil	tor) /manua n), including vated soil a	Il means in dressing o	foundation f sides and
17	Earth work in excavation trenches or drains (not ramming of bottoms, life	exceeding t up to 1.5 ted, withir	chanical mea g 1.5 m in w 5 m, includin n a lead of 5	ans (Hydra idth or 10 : g getting o 0 m.All kin	ulic excava sqm on plar out the exca ds of soil	tor) /manua n), including vated soil a	Il means in dressing o	foundation f sides and
17	Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as direct for leveling work of	exceeding t up to 1.5 ted, within	chanical mea g 1.5 m in w 5 m, includin a lead of 5 or levelling w	ans (Hydra idth or 10 : g getting o 0 m.All kin ork of road	ulic excava sqm on plar out the exca ds of soil to old clarrif	tor) /manua n), including vated soil a	dressing ound disposa	foundation f sides and I of surplus
17	Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as direct for leveling work of	exceeding t up to 1.5 ted, within	chanical mea g 1.5 m in w 5 m, includin a lead of 5 or levelling w	ans (Hydra idth or 10 s g getting o 0 m.All kin ork of road 5.000	ulic excava sqm on plar out the exca ds of soil to old clarrif	tor) /manua n), including vated soil a er er	dressing of the disposar dispo	foundation f sides and I of surplus
17	Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as direct for leveling work of	exceeding t up to 1.5 ted, within	chanical mea g 1.5 m in w 5 m, includin a lead of 5 or levelling w	ans (Hydra idth or 10 s g getting o 0 m.All kin ork of road 5.000	ulic excava sqm on plar out the exca ds of soil to old clarrif 0.200  To	tor) /manua n), including vated soil a er er	dressing of and disposar 40.000 cur 0.000 cum	foundation f sides and I of surplus
17	Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as direct for leveling work of	exceeding t up to 1.5 ted, within	chanical mea g 1.5 m in w 5 m, including a lead of 5 or levelling w 40.000	ans (Hydra idth or 10 s g getting o 0 m.All kin ork of road 5.000	ulic excava sqm on plar out the exca ds of soil to old clarrif 0.200  To	tor) /manua n), including vated soil a er tal Quantity ed Quantity	dressing of and disposar 40.000 cur 40.000 cur 40.000 cur	foundation f sides and I of surplus
17	Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as direct for leveling work of	exceeding t up to 1.5 ted, withir fo	chanical means of 1.5 m in with the second of 5 m, including a lead of 5 m levelling with the second of 5 m levelling with the secon	ans (Hydra idth or 10 sing getting of 0 m.All king ork of road 5.000	ulic excava sqm on plar out the exca ds of soil to old clarrification of the color	tor) /manua n), including vated soil a er tal Quantity ed Quantity stal Quantity 31.15 / cum	40.000 cum 40.000 cum Rs 92	foundation f sides and I of surplus m
	Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as direct for leveling work of road to old clarrifier.  4.1.3  Providing and laying in shuttering - All work up	exceeding t up to 1.5 ted, withir fo	chanical means of 1.5 m in with the second of 5 m, including with the seco	ans (Hydra idth or 10 sing getting of 0 m.All king ork of road 5.000	ulic excava sqm on plar out the exca ds of soil to old clarrif 0.200  To Total Deduct Net To cum @ Rs 2 diffed grade excarse sand	tor) /manua n), including vated soil a er tal Quantity ed Quantity stal Quantity 31.15 / cum	40.000 cum 40.000 cum Rs 92	foundation f sides and I of surplus m
	Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as direct for leveling work of road to old clarrifier.  4.1.3  Providing and laying in shuttering - All work up	exceeding t up to 1.5 ted, withir fo	chanical means of 1.5 m in with the second of 5 m, including with the seco	ans (Hydra idth or 10 sing getting of 0 m.All king ork of road 5.000 ay 40.000 cete of specement : 2 comment : 2 c	ulic excava sqm on plar out the exca ds of soil to old clarrif 0.200  To Total Deduct Net To cum @ Rs 2 diffed grade excarse sand	tor) /manua n), including vated soil a er tal Quantity ed Quantity stal Quantity 31.15 / cum	40.000 cum 40.000 cum Rs 92	foundation f sides and I of surplus m

	to old WTP	1	30.000	5.000	0.150		22.500	
	Protection wall at CWPH	1	10.000	(0.6+0.3)/	1.500		6.750	
					To	otal Quantity	77.250 cur	n
				Т	otal Deduc	ted Quantity	0.000 cum	
					Net To	otal Quantity	77.250 cun	1
			Sa	ay 77.250 cu	m @ Rs 76	14.98 / cum	Rs 588	257.21
19	18.31.4.1 Providing and fixing C.I pieces if required will be		•	.,		, nuts, rubbe	er insertion (	etc. (the ta
		Rep	olacing Sco	ur Valves of 0	Clarifloccula	ators		
	200mm Scour Valves of Clariflocculators	2	الأب				2.000	
		1	37 9	R W	To	otal Quantity	2.000 Nos	
		16	12×80	33/2 <sub>1</sub>	otal Deduc	ted Quantity	0.000 Nos	
						30.		
		15	11/2		Net To	otal Quantity	2.000 Nos	
20	10.25.2 Item Shifted to Sub hear	d 14 as iter	M Ban	ay 2.000 No	s @ Rs 133	341.61 / Nos	Rs 26	683.22 Ided in bui
20		rk, includir using stru	m 14.73ltem ng cutting, l ictural stee	n Shifted to h	s @ Rs 133	341.61 / Nos tem 14.74St on and app	Rs 26	Ided in bui
20	Item Shifted to Sub hear up sections/framed wo approved steel primer	rk, includir using stru	m 14.73ltem ng cutting, l ictural stee iilar works	n Shifted to h	ead 14 as ing in positi	341.61 / Nos tem 14.74St on and app	Rs 26	Ided in bui
20	Item Shifted to Sub hear up sections/framed wo approved steel primer	rk, includir using stru	m 14.73ltem ng cutting, l ictural stee iilar works	n Shifted to h hoisting, fixing l etc. as req	ead 14 as ing in positi	341.61 / Nos tem 14.74St on and app	Rs 26	lded in bu
20	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate Clarrifier bridge repair	rk, including using structures and simples and simples and simples and simples are	m 14.73ltem ng cutting, l ictural stee iilar works	n Shifted to h hoisting, fixing l etc. as req	ead 14 as ing in positiuired.In gr	tem 14.74St on and app atings, fram	Rs 26 eel work we lying a primes, guard	lded in bui
20	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate Clarrifier bridge repair	rk, including using structures and simples and simples and simples and simples are	m 14.73ltem ng cutting, l ictural stee iilar works	n Shifted to h hoisting, fixing I etc. as requer bridge rep	ead 14 as ing in positiuired.In grairwork	tem 14.74St on and app atings, fram	Rs 26 seel work we lying a primes, guard 1200.000	lded in bui
20	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate Clarrifier bridge repair	rk, including using structures and simples and simples and simples and simples are	m 14.73ltem ng cutting, l ictural stee iilar works	n Shifted to h hoisting, fixing I etc. as requer bridge rep	ead 14 as ing in positiuired.In grairwork	tem 14.74St on and app atings, fram	Rs 26 seel work we lying a primes, guard 1200.000 1200.000 0.000 kg	Ided in bui ning coat o par, ladde
20	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate Clarrifier bridge repair	rk, including using structures and simples and simples and simples and simples are	m 14.73ltem ng cutting, l ictural stee iilar works	n Shifted to h hoisting, fixing I etc. as requer bridge rep	ead 14 as ing in positiuired.In grairwork  Total Deduction	tem 14.74St on and app atings, fram	1200.000 kg	lded in bu ning coat o par, ladde
20 SI No	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate Clarrifier bridge repair	rk, including using structures and simples and simples and simples and simples are	m 14.73ltem ng cutting, l ictural stee iilar works	n Shifted to h hoisting, fixing I etc. as requer bridge rep	ead 14 as ing in positiuired.In grairwork  Total Deduction	tem 14.74St on and app atings, fram 600.0 otal Quantity otal Quantity otal Quantity	1200.000 kg	Ided in bu ning coat oper, ladde
	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate  Clarrifier bridge repair work	rk, includir using stru es and sim 2	m 14.73ltem ng cutting, l ictural stee illar works Clarrifi	Shifted to holisting, fixing letc. as requested as requested as requested as set of the	ead 14 as ing in positiuired.In grairwork  Total Deductors Net Total Deductors Net Total Deductors Deductors Deductors Deductors Net Total Deducto	600.0  ted Quantity ted Quantity ted Quantity tal Quantity	1200.000 l 0.000 kg 1200.000 kg 1200.000 kg Quantity	Ided in bu ning coat of par, ladde
	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate Clarrifier bridge repair work	rk, including using structures and simples	m 14.73ltem ng cutting, l ictural stee illar works  Clarrifi  L city OHSR chanical me g 1.5 m in v 5 m, includi	er bridge rep  Say 1200.00  B  at Areekkather and (Hydrau width or 10 sing getting getting or 10 sing getting getting getting or 10 sing getting getti	ead 14 as ing in positivired. In grainwork  To otal Deductor Net To otal	tem 14.74St on and appatings, fram  600.0  tal Quantity ted Quantity tal Quantity tal Quantity ctal Quantity total Quantity	Rs 26 eel work we lying a primes, guard less, guard le	Ided in buning coat of coar, ladded in bundation foundation of sides and sides are sides and sides are sides are sides are sides.
SI No	Item Shifted to Sub hear up sections/framed wo approved steel primer railings, brackets, gate Clarrifier bridge repair work  Description  4Construction of 5.0  2.8.1  Earth work in excavation trenches or drains (not ramming of bottoms, lift	No  OOLL Capac  exceeding ft up to 1.5 eted, within	n 14.73ltem ng cutting, l ctural stee ilar works  Clarrifi  chanical me g 1.5 m in v m, includin n a lead of	er bridge rep  Say 1200.00  B  at Areekkather and (Hydrau width or 10 sing getting getting or 10 sing getting getting getting or 10 sing getting getti	ead 14 as ing in positivired. In grain airwork  To otal Deductor Net To	600.0  otal Quantity  ted Quantity  otal Quantity  ted Quantity  otal Quantity	Rs 26 eel work we lying a primes, guard less, guard le	Ided in butting coat coar, ladded in butting coat coar, ladded in butting coat coar, ladded in butting coar, ladded in butting coar, ladded in butting coar, ladded in butting coars are coars.

	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	
					То	tal Quantity	370.860 сเ	ım
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	370.860 cu	m
			Sa	y 370.860 c	um @ Rs 2	31.15 / cum	Rs 85	724.29
2	4.1.3 Providing and laying in shuttering - All work up nominal size)	•		•	_	-		•
			PCC fo	or Column F	ottings			
	PCC for Column Footings	20	1.800	1.800	0.150		9.720	
	Valve Chamber	1	1.800	1.800	0.100	ķ.,	0.325	
		16/42		F575	То	tal Quantity	10.045 cur	n
				m of 2.7	otal Deduct	ed Quantity	0.000 cum	
		Ker	ala Wat	er Auth	Net To	tal Quantity	10.045 cum	1
	5 22 4		Sa	y 10.045 cu	m @ Rs 76	14.98 / cum	Rs 76	492.47
3	5.33.1  Providing and laying in concrete for reinforced including pumping of cand reinforcement, incretard setting of concret Engineer - in-charge. No cement used as per definition of the concretary of the conc	d cement of concrete to luding adm te, improve lote:- Cemesign mix is	nachine bate concrete we site of laying nixtures in r workability ent content payable or	ched and mork, using cog but exclude ecommendo without impactors idered recoverable	achine mixed ement confirming the cost end proportion airing strengting them this item the separately	ed design matent as per tof centering as per total as per total and duratis @ 330 km. All work up	nix M-25 gra approved ong, shutterings: 9103 to bility as per g/ cum. Exc oto plinth le	ade ceme design m ag, finishi accelera direction eess or le
3	Providing and laying in concrete for reinforced including pumping of cand reinforcement, incretard setting of concrete Engineer - in-charge.	d cement of concrete to luding adm te, improve lote:- Cemesign mix is	nachine bate concrete we site of laying nixtures in r workability ent content payable or	ched and mork, using cog but exclude ecommendo without impactors idered recoverable	achine mixed ement considering the costering strength in this item to separately eachine mixed	ed design matent as per tof centering as per total as per total and duratis @ 330 km. All work up	nix M-25 gra approved ong, shutterings: 9103 to bility as per g/ cum. Exc oto plinth le	ade ceme design m ag, finishi accelera direction eess or le
3	Providing and laying in concrete for reinforced including pumping of cand reinforcement, incretard setting of concrete Engineer - in-charge. No cement used as per de	d cement of concrete to luding adm te, improve lote:- Cemesign mix is	nachine bate concrete we site of laying nixtures in r workability ent content payable or	ched and mork, using cog but excluded ecommended without impactonsidered recoverable ched and markets.	achine mixed ement considering the costering strength in this item to separately eachine mixed	ed design matent as per tof centering as per total as per total and duratis @ 330 km. All work up	nix M-25 gra approved ong, shutterings: 9103 to bility as per g/ cum. Exc oto plinth le	ade ceme design m ag, finishi accelera direction eess or le
3	Providing and laying in concrete for reinforced including pumping of conditional and reinforcement, incretard setting of concrete Engineer - in-charge. Note that is a per designed of the control of the control of the control of the conditional and laying in the control of the	d cement of concrete to luding admite, improve lote:- Cemesign mix is an position of the concrete lote.	nachine bate concrete wo site of laying nixtures in r workability ent content payable or machine bate concrete	ched and mork, using cog but exclude ecommendo without impactonsidered recoverable ched and material for Column	achine mixed ement considering the costering strength in this item the separately achine mixed Footings	ed design matent as per tof centering as per total as per total and duratis @ 330 km. All work up	nix M-25 gra approved on ng, shutterin IS: 9103 to bility as per g/ cum. Exc oto plinth le	ade ceme design m ag, finishin accelera direction sess or le
3	Providing and laying in concrete for reinforced including pumping of condition and reinforcement, incretard setting of concrete Engineer - in-charge. Note the community of the community of the community of the concrete Engineer - in-charge. Note the community of the concrete Engineer - in-charge. Note the community of the community of the concrete Engineer - in-charge. Note that the concrete Engineer - in-charge in the concrete Engineer - in-charge. Note that the concrete Engineer - in-charge in the concrete Engineer - in-c	d cement of concrete to luding admite, improve lote:- Cemerical mix is in position of the concrete to the conc	nachine bate concrete wo site of laying nixtures in r workability ent content payable or machine bate concrete	ched and mork, using cog but exclude ecommendo without impactonsidered recoverable ched and material for Column	achine mixe ement conditing the costering streng in this item achine mixe Footings	ed design matent as per tof centering as per total as per total and duratis @ 330 km. All work up	approved on approv	ade ceme design m ag, finishi accelera direction eess or le
3	Providing and laying in concrete for reinforced including pumping of control and reinforcement, incretard setting of concrete Engineer - in-charge. Note that we have a sper described in the providing and laying in the For Column Footings  Sloping portion  Valve Chamber base	d cement of concrete to luding admite, improve lote:- Cemerical mix is in position of the concrete to the conc	nachine bate concrete wo site of laying nixtures in r workability ent content payable or machine bate concrete 1.500 1.000	ched and mork, using cog but exclude ecommendo without impactonsidered recoverable ched and material for Column 1.500	achine mixe ement conding the costering streng in this item exparately achine mixe Footings  0.300  0.600	ed design matent as per tof centering as per total as per total and duratis @ 330 km. All work up	nix M-25 gra approved on ng, shutterin IS: 9103 to bility as per g/ cum. Exc oto plinth le x M-25 grad 13.500 12.000	ade ceme design m ag, finishi accelera direction eess or le
3	Providing and laying in concrete for reinforced including pumping of conditional and reinforcement, incretard setting of concrete Engineer - in-charge. Note that is a per desired and laying in the control of the cont	d cement of concrete to luding admite, improve lote:- Cemerical mix is no position of the concrete to the conc	nachine bate concrete wo site of laying nixtures in r workability ent content payable or nachine bate concrete  1.500  1.000	ched and mork, using cog but exclude ecommend without impactonsidered recoverable ched and material for Column 1.500 1.000	achine mixed ement considering the costering strengt in this item as separately achine mixed Footings 0.300 0.600 0.150 1.200	ed design matent as per tof centering as per total as per total and duratis @ 330 km. All work up	nix M-25 gra approved on ng, shutterings: 9103 to bility as per g/ cum. Exc oto plinth lev x M-25 grad 13.500 12.000 0.385	ade ceme design m ag, finishi accelera direction ess or le vel

					Net Tota	al Quantity	26.929 cun	1
			Sa	y 26.929 cu	ım @ Rs 8954	4.83 / cum	Rs 241	144.62
4	5.9.1 Centering and shuttering columns, etc for mass c	_	g strutting, et	c. and remo	oval of form fo	or:Foundat	ions, footing	ıs, bases
	Providin	g Centerin	g and shutte	ring includir	ng strutting for	Column F	ootings	
	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	60	1.200		13.920	
			190		Tota	al Quantity	98.880 sqr	n
			E. L 1	W Ei	otal Deducte	d Quantity	0.000 sqm	
		619	X.	35 1	Net Tota	al Quantity	98.880 sqn	1
			S	Say 98.880 s	sqm @ Rs 269	9.42 / sqm	Rs 26	640.25
	Providing and laying in concrete for reinforced including pumping of coand reinforcement, including and reinforcement, including the control of the control	d cement oncrete to luding adr	concrete wo site of laying nixtures in r	ork, using o g but exclude ecommend	ement conte ding the cost ed proportion	ent as per of centering as as per I	approved on approved on approved on approved on approved on approved approved on approved	design m g, finishi accelera
	concrete for reinforced including pumping of co	d cement concrete to luding adr e, improve lote:- Cem	concrete wo site of laying nixtures in to workability ent content	ork, using of g but exclude ecommend without impo considered	ement conted ding the cost ed proportion airing strength in this item is	ent as per of centerin ns as per I n and dura s @ 330 k	approved on approved on approved on approved on approved on approved approved approved approved on app	design m g, finishi accelera direction ess or le
	concrete for reinforced including pumping of coand reinforcement, including setting of concret Engineer - in-charge. No cement used as per designed.	d cement oncrete to luding adr e, improve lote:- Cem sign mix is	concrete wo site of laying nixtures in to workability ent content payable or re	ork, using or g but exclude ecommend without important considered ecoverable	ement conte ding the cost ed proportion airing strength in this item is separately.All	ent as per of centerin ns as per I n and dura s @ 330 k work abov	approved on approved on approved on approved on approved on approved approved approved approved approved on approved approved on approved approved approved on approved approv	design mag, finishing accelerated direction direction desired upto fload
	concrete for reinforced including pumping of column and reinforcement, included retard setting of concret Engineer - in-charge. No cement used as per design V level	d cement oncrete to luding adr e, improve lote:- Cem sign mix is	concrete wo site of laying nixtures in to workability ent content payable or re	ork, using orgonic points of the commend without improvement considered ecoverable and more considered and	ement conte ding the cost ed proportion airing strength in this item is separately.All	ent as per of centerin ns as per I n and dura s @ 330 k work abov	approved on approved on approved on approved on approved on approved approved approved approved approved on approved approved on approved approved approved on approved approv	design mag, finishing accelerated direction direction desired upto fload
	concrete for reinforced including pumping of coand reinforcement, including retard setting of concret Engineer - in-charge. No cement used as per design V level	d cement oncrete to luding adne, improve lote:- Cemsign mix is	concrete wo site of laying nixtures in re workability ent content payable or re machine bate	ork, using orgonic points of the commend without improvement of the considered ecoverable and maconcrete	ement conteding the cost ed proportion airing strength in this item is separately.All achine mixed	ent as per of centerin ns as per I n and dura s @ 330 k work abov	approved on approv	design mag, finishing accelerated direction direction desired upto fload
	concrete for reinforced including pumping of coand reinforcement, including retard setting of concret Engineer - in-charge. No cement used as per design V level	d cement oncrete to luding adme, improve lote:- Cemsign mix is n position	site of laying nixtures in reworkability ent content payable or remachine bate	ork, using org but exclude ecommend without improvement ecoverable sched and monorete	ement conteding the cost ed proportion airing strength in this item is separately.All achine mixed	ent as per of centerin ns as per I n and dura s @ 330 k work abov	approved on approv	design mag, finishing acceleration direction tess or lead upto flo
	concrete for reinforced including pumping of coand reinforcement, including retard setting of concret Engineer - in-charge. No cement used as per design V level	d cement oncrete to luding adme, improve lote:- Cemsign mix is n position	site of laying nixtures in rewarkability ent content payable or remachine bate 3.000	prk, using or good but exclude ecommend without improvement ecoverable sched and monorete 0.300 0.300	ement contecting the cost ed proportion airing strength in this item is separately.All achine mixed 0.450	ent as per of centerin ns as per I n and dura s @ 330 k work abov	approved on approv	design mag, finishing acceleration direction tess or leading upto flo
	concrete for reinforced including pumping of coand reinforcement, including retard setting of concret Engineer - in-charge. No cement used as per design V level	d cement oncrete to luding adme, improve lote:- Cemsign mix is n position	site of laying nixtures in rewards workability ent content payable or remachine bate 3.000  2.830  12.600	prk, using or good but exclude ecommend without improvements of the considered ecoverable suched and monorete 0.300 0.300 0.300	ement contecting the cost ed proportion airing strength in this item is separately.All achine mixed 0.450 0.450 0.450	ent as per of centerin ns as per I n and dura s @ 330 k work abov	approved on approved	design mag, finishing accelerated direction direction desired upto fload
	concrete for reinforced including pumping of countries and reinforcement, including setting of concret Engineer - in-charge. Note that the common set including and laying and laying including and laying including and laying and laying including and laying including and laying and	d cement oncrete to luding adme, improve lote:- Cembign mix is n position	site of laying nixtures in reworkability ent content payable or remachine bate 3.000 2.830 12.600 8.900	ched and m concrete  0.300  0.300  0.300	ement contecting the cost ed proportion airing strength in this item is separately.All achine mixed 0.450 0.450 0.450 0.450	ent as per of centerin ns as per I n and dura s @ 330 k work abov	approved on approv	design mag, finishing acceleration direction tess or lead upto flo

			0.000	0.000	0.550		0.000	
		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 (300x550)	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	17	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	L	1.441	
	Roof Beams (300x400)	2	12.600	0.300	0.265		2.004	
		3- Ker	8.900	0.300	0.265		2.123	
	Roof Slab	1	14.900	10.900	0.135		21.926	
	Cover Slab of Valve Chamber		1.600	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	
					То	tal Quantity	202.250 cı	um
				T	otal Deduct	ed Quantity	-0.204 cum	l
					Net To	tal Quantity	202.046 cu	m
			Say 2	202.046 cun	n @ Rs 100	71.04 / cum	Rs 203	4813.35
6	5.9.5 Centering and shuttering girders bressumers and	_	_	etc. and rem	noval of form	n for:Lintels	, beams, pl	inth beams,
			Providing C	entering an	d shuttering			
	Tank Plinth Beams	8	3.000	1.200			28.800	
_		_	-				-	

					1		T	
		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	1		24.030	
	Roof Beams (300x400)	2	12.600	0.830	4		20.916	
		3	8.900	0.830	عاد الوسياد	_	22.161	
	Cover Slab of Valve Chamber	4	1.600	n 0 1	0.200		1.281	
		Ker	ala Wat	er Auth	ority To	tal Quantity	369.438 sc	mp
					otal Deduct	ed Quantity	0.000 sqm	
			K		Net To	tal Quantity	369.438 sq	m
			Sa	y 369.438 s	qm @ Rs 4	76.32 / sqm	Rs 175	970.71
7	5.9.6 Centering and shutter Abutments, Posts and	-	ing strutting	g, etc. and	removal of	form for:C	olumns, Pil	lars, Pier
			Providing C	entering an	d 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	
					То	tal Quantity	642.292 sc	ηm
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	642.292 sq	m
			Sa	y 642.292 s	qm @ Rs 6	49.89 / sqm	Rs 417	419.15
8	5.9.3 Centering and shutteri landings, balconies an	•		, etc. and r	emoval of	form for:Su	spended flo	oors, ro
			Providing C	entering and	d 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	7		162.410	
	Edge of slab	1	51.600	3 N	0.135		6.967	
		B	41576	MKA.	To	tal Quantity	375.377 sc	ηm
		32	Line	TO THE	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	375.377 sq	m
				y 375.377 s		86.62 / sqm	Rs 220	203.66
9	5.22.6 Steel reinforcement for binding all complete up	R.C.C w		gstraighten	ing, cutting			
			Steel reinfo	rcement for	R.C.C work		I	
	Steel reinforcement for R.C.C work Upto Plinth level @ 100kg/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	
					To	tal Quantity	26938.420	kilogran
				Т	otal Deduct	ed Quantity	0.000 kilogi	am
					Net To	tal Quantity	26938.420	kilogram
				20 kilogram	@ Rs 78 6	2 / kilogram	Rs 2117	7898.58
			Say 26938.4	20 Kilograffi	110 10.0		_	
10	13.7.1 12 mm cement plaster fi		•					

Valve Chamber base slab	1*4	1.600		0.150	0.960
side wall	4*2	1.450		1.200	13.920
F	Providing 12	2 mm cemer	t plaster fin	ished with a float	ing 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	2	45.390
Floor Beams (300x550)	8	3.000	0.900	HAI	21.600
	6	2.830	0.900	المهلول	15.282
	2	12.600	0.900		22.680
	3	8.900	0.900		24.030
Roof Beams (300x400)	Ker 2	ala Wat 12.600	er Auth 0.860	nority	21.672
	3	8.900	0.860		22.962
F	Providing 12	2 mm cemer	it plaster fin	ished with a float	ing 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 &Out side	2	49.000		4.000	392.000
Haunch	1	48.000		0.300	14.400
F	Providing 12	2 mm cemer	t plaster fin	ished with a float	ing coat
Base Slabe 250mm thick Ceiling&Top	2	16.000	12.000		384.000

	Edge of slab	1	56.000	0.250			14.000	
	Roof Slab Ceiling&Top	2	14.900	10.900			324.820	
	Edge of slab	1	51.600		0.135		6.967	
					То	tal Quantity	1775.430 s	sqm
				7	Total Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	1775.430 s	qm
			Say	1775.430 s	sqm @ Rs 3	15.05 / sqm	Rs 559	349.22
11	13.44.1 Finishing walls with wat @ 3.84 kg/10 sqm)	er proofinç	g cement pail	nt of require	ed shade:Ne	w work (Two	o or more co	oats applie
		Finisl	ning walls wit	h water pro	ofing cemen	t paint		
	Finishing walls with water proofing cement paint Qty same as plastering item					1751.43	1751.430	
	valve chamber Qty from plastering				28.800	1	-28.800	
			A Paris	a and	То	tal Quantity	1751.430 s	sqm
		Ker	ala Wat	er Auth	Total Deduct	ed Quantity	-28.800 sqr	n
			R	y 1722 630	Net To	4	1722.630 s	qm 704.42
				,				
12	100.41.34 Supplying and fixing Re all cost, labour charges	•		cover 455x6	10 mm with	frame (low	duty) charge	es includin
12	Supplying and fixing Re	etc compl					duty) charge	es includin
12	Supplying and fixing Re	etc compl	ete.				duty) charge	es includin
12	Supplying and fixing Re all cost, labour charges	etc compl	ete.					es includin
12	Supplying and fixing Re all cost, labour charges  Tank	etc compl	ete.		r above Tan		4.000	es includin
12	Supplying and fixing Re all cost, labour charges  Tank	etc compl	ete.	nhole Cove	r above Tan	k tal Quantity	4.000 1.000 5.000 No	es includin
12	Supplying and fixing Re all cost, labour charges  Tank	etc compl	ete.	nhole Cove	r above Tan To	k tal Quantity	4.000 1.000 5.000 No 0.000 No	es includin
12	Supplying and fixing Re all cost, labour charges  Tank	etc compl	ete.	nhole Cove	r above Tan To	k tal Quantity ed Quantity tal Quantity	4.000 1.000 5.000 No 0.000 No 5.000 No	
12	Supplying and fixing Re all cost, labour charges  Tank	4 1 . sluice va	ete.  Providing Ma	Say 5.000	To Total Deduct Net To No @ Rs 26	k tal Quantity ed Quantity tal Quantity 840.71 / No	4.000 1.000 5.000 No 0.000 No 5.000 No Rs 142	203.55

	Inlet Valve	1					1.000	
					-	Total Quantity	1.000 Nos	
				T	otal Dedu	cted Quantity	0.000 Nos	
					Net <sup>-</sup>	Total Quantity	1.000 Nos	
			S	ay 1.000 No	s @ Rs 10	3341.61 / Nos	Rs 13	341.61
14	18.31.5.2 Providing and fixing C.I. pieces if required will be		•	., .			er insertion	etc. (the
			Provi	iding Out let	Valve			
	Providing Out let Valve & and Scour valve	2	/Gu	a la			2.000	
			5.0		-	Total Quantity	2.000 Nos	
			RY 3	M. XI	otal Dedu	cted Quantity	0.000 Nos	
						1		
		1 1	N 1000	383/1	Net	Total Quantity	2.000 Nos	
		1	S	ay 2.000 No	1 0	Total Quantity 5363.37 / Nos		726.74
15	od200238/2020_2021 Providing and fitting wal	II casting			s @ Rs 2	5363.37 / Nos	Rs 50	
15	Providing and fitting wal			ole for mech	s @ Rs 25 anical joir	5363.37 / Nos	Rs 50	
15	Providing and fitting walmm dia  Wall Casting Pipes 200mm (Inlet & overflow)-46kg/each,	Ker	pipes suitab	ole for mech	s @ Rs 25 anical joir	5363.37 / Nos	Rs 50	
15	Providing and fitting walmm dia  Wall Casting Pipes 200mm (Inlet & overflow)-46kg/each, 1 no spare  Wall Casting Pipes 250/eachmm (Scour &	Ker 3	pipes suitab	ole for mech	s @ Rs 29 anical joir	0.46	Rs 50	r>Upto 6
15	Providing and fitting walmm dia  Wall Casting Pipes 200mm (Inlet & overflow)-46kg/each, 1 no spare  Wall Casting Pipes 250/eachmm (Scour &	Ker 3	pipes suitab	ole for mech	s @ Rs 29	0.46	Rs 50 S: 9523 : 1.381 1.280 2.661 quin	r>Upto 6
15	Providing and fitting walmm dia  Wall Casting Pipes 200mm (Inlet & overflow)-46kg/each, 1 no spare  Wall Casting Pipes 250/eachmm (Scour &	Ker 3	pipes suitab	ole for mech	anical joir	0.46  Total Quantity	Rs 50 S: 9523 : 1.381 1.280 2.661 quin	r>Upto 6
15	Providing and fitting walmm dia  Wall Casting Pipes 200mm (Inlet & overflow)-46kg/each, 1 no spare  Wall Casting Pipes 250/eachmm (Scour &	Ker 3	pipes suitab	ole for mech	s @ Rs 29 anical joir Ority  Total Dedu	0.46  Total Quantity	Rs 50 3: 9523: 1.381 1.280 2.661 quint 2.661 quint	r>Upto 6
15	Providing and fitting walmm dia  Wall Casting Pipes 200mm (Inlet & overflow)-46kg/each, 1 no spare  Wall Casting Pipes 250/eachmm (Scour &	Ker 3 2	pipes suitab	ole for mech	anical joir Onty  Total Dedu Net	0.46  O.64  Total Quantity Incted Quantity Total Quantity Total Quantity 13.78 / quintal	1.381  1.280  2.661 quint  2.661 quint  Rs 59	tal al cony raili

						İ		
	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		151.200			2.01	303.912	
		V	ala Wat	A 22416	. To	tal Quantity	435.912 kg	1
		Kera	ara wat	el Auu	otal Deduct	ed Quantity	0.000 kg	
			2		Net To	tal Quantity	435.912 kg	
				Say 435.9	12 kg @ Rs	139.26 / kg	Rs 60	705.11
SI No	Description	No	L	В	D	CF	Quantity	Remark
	5Construction of	Protection '	Wall at Wes	t side of O	HSR (Co	ost Index:3	8.91 %)	
1	2.8.1 Earth work in excavate trenches or drains (no ramming of bottoms, I excavated soil as dire	t exceeding ift up to 1.5 cted, within	1.5 m in w m, includin	idth or 10 s ng getting o 0 m.All kind	sqm on plar ut the exca ds of soil	n), including vated soil a	dressing o	f sides and
		artii work iii	excavation	by mechanic	Jai illealis. F	All Killus of S	Oli	
	Protection wall foundation	1	18.000	0.900	2.000		32.400	
		İ	1		I .		I	
	Foundation of Compound wall	1	18+15+15	0.600	0.600		17.280	
		1	18+15+15	0.600		tal Quantity		n
		1	18+15+15				49.680 cur	n

		Net Total Quantity	49.680 cum
	Say 49.6	680 cum @ Rs 231.15 / cum	Rs 11483.53
2	4.1.8  Providing and laying in position cement concrete of s shuttering - All work up to plinth level:1:4:8 (1 ceme nominal size)		•
	Providing and laying in posit	ion cement concrete 1:4:8	
	Protection wall foundation 1 15.000 0.90		2.700
		Total Quantity	2.700 cum
		Total Deducted Quantity	0.000 cum
	Signal.	Net Total Quantity	2.700 cum
	Say 2.70	00 cum @ Rs 6220.60 / cum	Rs 16795.62
3	7.1.1  Random rubble masonry with hard stone in founda concrete 1:6:12 (1 cement : 6 coarse sand : 12 grade level with:Cement mortar 1:6 (1 cement : 6 coarse sand	d stone aggregate 20 mm no	• .
	Providing Random	rubble masonry	
	Random rubble masonry Protection wall (0.9+0)	0.6)/ uth 0.2.000	27.000
	Foundation of Compound wall 18+15+15 0.60	0.600	17.280
		Total Quantity	44.280 cum
		Total Deducted Quantity	0.000 cum
		Net Total Quantity	44.280 cum
	Say 44.28	30 cum @ Rs 5508.96 / cum	Rs 243936.75
4	50.6.1.1 Solid block masonry using pre cast solid blocks (fact size confirming to IS 2185 part 1 of 1979 for foundatio 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	00 1.500	14.401

				т	otal Deduct	ed Ouantity	0.000 cum				
				<u>'</u>			14.401 cum	<u> </u>			
5	Say 14.401 cum @ Rs 5185.86 / cum Rs 74681.57  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				
		36.000 sqr	n								
		0.000 sqm									
		36.000 sqm									
		Rs 84	23.64								
6	13.2.1 15 mm cement plaster of	on the rougl	n side of sing	gle or half bi	rick wall of r	nix:1:4 (1 ce	ement :4 fine	sand)			
		Providir	ng 15 mm ce	ment plaste	er on the rou	igh side					
	15 mm cement plaster on the rough side of Compound wall	2	18+15+15	10 11 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.500		144.000				
		144.000 sqm									
		Total Deducted Quantity						0.000 sqm			
					Net To	tal Quantity	144.000 sqm				
		Rs 400	056.48								
7	4.1.3  Providing and laying in position cement concrete of specified grade excluding the cost of centering an shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mr nominal size)										
				2:4 Belt cor							
	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				
		5.850 cum									
	Total Deducted Quantity										
	Net Total Quantity										
	Say 5.850 cum @ Rs 7614.98 / cum						Rs 44	547.63			

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 approves steel primer.G.I. pipe										
	3			Pipe Hand F			, , , , , , , , , , , , , , , , , , ,				
	GI Pipe Hand Rails	1				60.0	60.000				
		60.000 kg									
Total Deducted							0.000 kg				
		60.000 kg									
				Say 60.0	00 kg @ Rs	139.26 / kg	Rs 83	355.60			
SI No	Description	No	L	В	D	CF	Quantity	Remar			
	6Supply and E	rection of	Clear Wate	er Pumpsets	s (Cost I	ndex:38.91	%)				
	od141334/2020_2021 Supply and erection of 15HP Centrifugal Pumps having discharge of 9lps for a total head of 81m fine 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	1	0/2007	9.25.36	L	2.000				
	Tong or variety	2.000 Nos									
		0.000 Nos									
		2.000 Nos									
			Sa	v 2 000 Nos	@ Rs 3164			2965.70			
2	100.37.6.1		Ja	2.000 1103	1 6 13 3 104	02.03 / 1103	13 032	.903.70			
	Fabricating MS pipes of charges of MS plate, a deluxe multi surface parafabricated with 8mm the	II fabrication	on charges, an even sh tes.	charges of ade over an	painting the	e steel work of primer e	with two o	r more c			
	150mm MS pipe for Delivery pipes to connect the Pumping main	1	28.000				28.000				
		28.000 me	tre								
		0.000 metr	e								
					Net To	tal Quantity	28.000 met	tre			
			Say 2	28.000 metr	e @ Rs 424	4.92 / metre	Rs 118	8857.76			
3	od141342/2020_2021 Supply and erection of 60HP Clear Water Pumps having discharge of 31lps and Total Head of 95m										

	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			
					То	tal Quantity	2.000 Nos			
	Total Deducted Quantity 0.000 Nos  Net Total Quantity 2.000 Nos									
		Rs 1828	3117.84							
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 condeluxe multi surface paint to give an even shade over an under coat of primer etc. complete: For pipe fabricated with 8mm thick MS plates.									
		11	200mm MS	fabricated d	elivery pipes	3				
	200mm MS pipe for Delivery pipes to connect the Pumping main	1	28.000			L	28.000			
	Total Quantity							28.000 metre		
		0.000 metre								
		Net Total Quantity								
			2		Net To	tal Quantity	28.000 met	re		
			Say 2	28.000 metre		,				
5	od141349/2020_2021 Approval from Electric drawings, arranging insthe works. The necessary KWA. (Note: Schenthe equipments. Paymapproval).	pection of ry statutory ne approva	orate include the installat / fees, if any I from the E	ling preparations and ob ions and ob in payable to lectrical lns	Rs 5013  ation of dra taining safe the Electric	3.30 / metre wings, obta ty certificate cal Inspector as to be obt	Rs 140 aining appropriate / KSEB ained before	372.40  val for mpletior will be persupply		
5	Approval from Electric drawings, arranging ins the works. The necessary by KWA. (Note: Schenthe equipments. Paymapproval).	pection of ry statutory ne approva ent for the	orate include the installate of fees, if any of the Expense of the supply of the suppl	ling preparations and ob ions and ob in payable to lectrical lns	e @ Rs 5013 ation of dra taining safe the Electric pectorate ha	wings, obtactly certificates al Inspector as to be obtactly on	Rs 140 aining appropriate (Control of the Control o	372.40  val for mpletior will be persupply		
5	Approval from Electric drawings, arranging ins the works. The necessary by KWA. (Note: Schenthe equipments. Paymapproval).	pection of ry statutory ne approva ent for the	orate include the installate of fees, if any of the Expense of the supply of the suppl	ling preparations and ob	e @ Rs 5013 ation of dra taining safe the Electric pectorate ha	wings, obtactly certificates al Inspector as to be obtactly on	Rs 140 aining appropriate (Control of the Control o	372.40  val for mpletior will be persupply		
5	Approval from Electric drawings, arranging insthe works. The necessary by KWA. (Note: Schenthe equipments. Paymapproval).  Approval from Electrical Inspectorate including preparation	pection of ry statutory ne approva ent for the val from Ele	orate include the installate of fees, if any of the Expension of the Expen	ling preparations and ob	e @ Rs 5013  ation of dra taining safe the Electric pectorate ha ill be releas  uding prepa	wings, obtactly certificates al Inspector as to be obtactly on	Rs 140 aining appropriate / KSEB ained before production awings	372.40  val for mpletior will be persupply		
5	Approval from Electric drawings, arranging insthe works. The necessary by KWA. (Note: Schenthe equipments. Paymapproval).  Approval from Electrical Inspectorate including preparation	pection of ry statutory ne approva ent for the val from Ele	orate include the installate of fees, if any of the Expension of the Expen	ling preparations and obvious and obvious and obvious file trical line materials where the contract of the con	e @ Rs 5013  ation of dra taining safe the Electric pectorate ha ill be releas  uding prepa	wings, obtaty certificates al Inspector as to be obted only on ration of dra	Rs 140 Aining appropriate / KSEB ained before production awings  1.000  1.000 L.S	372.40  val for mpletion will be persupply		

	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, Light and Fan connection points	9			9.000				
		9.000 No							
		0.000 No							
		9.000 No							
		//a	Say 9.000 N	o @ Rs 433.24 / No	Rs 38	399.16			
7	od141351/2020_2021 1200 mm sweep- 5 star rated Ceiling fan, complete with 300mm down rod, canopies, shackles an blades and resistance type regulator working on 230/240V single phase A/C								
	Fans in PUMP HOUSE	Fans 2	s in PUMP HOUS	BE	2.000				
		2.000 No							
		0.000 No							
	D	2.000 No							
	P	K	Say 2.000 No	@ Rs 1974.55 / No	Rs 39	949.10			
8	od141352/2020_2021 1x20 W LED box type tube thickness 0.50 mm nomina	I thickness insi	de & outside (ir			of minimu			
		F	For Lights in PH						
	For Lights in PH	5		Total Quantity	5.000				
		5.000 No							
		0.000 No							
		5.000 No							
			Say 5.000 No	@ Rs 1103.42 / No	Rs 55	517.10			
9	od141353/2020_2021 Wiring for light point/ fan pocopper conductor single cordlaminated sheet, suitable soopper conductor single co	e cable in surfac ize MS box and	e / recessed ste earthing the po	el conduit, with pian	o type swite	ch, phenol			
	Wiring for light point/ fan point/ exhaust fan point/ call bell point								

					То	tal Quantity	10.000 No				
		0.000 No									
		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) insulate 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		7		50.000				
			1	BKA	То	tal Quantity	50.000 met	tre			
		0.000 metre	)								
	10	50.000 metre									
		Rs 45414.50									
11	od141355/2020_2021 Kerala Water Authority Providing Water Supply arrangements & Electrification for clear water pump house										
	For KSEB connection and Providing Water Supply at CWPH										
	For KSEB connection and Providing Water Supply at CWPH	1					1.000				
					То	tal Quantity	1.000 L.S				
		0.000 L.S									
		1.000 L.S									
							Rs 100	000 00			
			S	ay 1.000 L.S	@ Rs 1000	000.00 / L.S	1/2 100	000.00			
SI No	Description	No	S	ау 1.000 L.S	S @ Rs 1000	000.00 / L.S	Quantity	Remark			
SI No	Description 7Road Restor		L	В	D		Quantity				
SI No	·	ation for F	HTC Road	B Crossings	(Cost In	CF	Quantity				
	7Road Restor od141733/2020_2021 Road restoration charge	ation for F	HTC Road	B Crossings	(Cost In	CF dex:38.91 %	Quantity				

		0.000 sqm					
		560.000 sqm					
		Rs 2034855.20					
2	od141734/2020_2021						
	Road restoration charge						
	Road rest	ace cutting					
	Road Crossing	336.000					
		336.000 sqm					
		0.000 sqm					
		336.000 sqm					
		Rs 927215.52					
		40670172.95					
		0.0%					
		0.00					
		15	Pro	ovision for C	SST paymen	ts (in %) @	12.0%
		74/4=	A	mount rese	rved for GS	Γ payments	4880420.75
			M Gar	in at 1	Total	& Centage	45550593.70
		49406.30					
	**				GRAND	TOTAL Rs	45600000.00
		$P \perp$	R		Rou	nded Gran	d Total Rs 4,56,00,000
	-				Rupe	s Four Cro	re Fifty Six Lakh Only