DETAILED ESTIMATE

<u>Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part)</u>

<u>Panchayaths in Idukki District-Package IV- Clear Water Pumping Main, Sump cum pump house,</u>

<u>GLSR in Santhanpara GP-General Civil Work</u>

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
1	Supply and laying	Clear wat	er pumping	main-Cost of	materials		
1.001	100.98.118						
	Supply of DI K9 P	ipe Confo	rming to IS	8329/2000, 2	250mm Dia.		
	250mm DI Pipe						
	CWR WTP- Pooppara Booster	1.0000	5407.000				5407.000
	Spare pipe	1.0000	68.000				68.000
	Deduction	1.0000	40.000	3477			-40.000
	Total			3			5435.000
		X		Tota	al Quantity in	metre	5435.000
1.002	100.98.117		e-PLATFOR OF PUBLIC	M FOR THE M WORKS	ANAGEMENT		
	Supply of DI K9 P	ipe Confo	rming to IS	8329/2000, 2	200mm Dia.		
	Supply of 200	mm DI pi	pe				
	CWR WTP- Puthadi Jamespadi Booster	1.0000	4109.000				4109.000
	Spare pipe	1.0000	100.000				100.000
	Deduction	1.0000	72.000				-72.000
	Total						4137.000
				Tota	al Quantity in	metre	4137.000
1.003	100.98.116						
	Supply of DI K9 P	ipe Confo	rming to IS	8329/2000, 1	50mm Dia.		
	Supply of 150m	m DI pipe	;				
	Jamespadi- Puthady Top	1.0000	2286.000				2286.000
	Spare	1.0000	46.000				46.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Deduction for MS pipe	1.0000	80.000				-80.000
	Total						2252.000
				Tot	al Quantity	in metre	2252.000
1.004	OD182653/2023-2	2024				•	
	Supply of 150mm	GI mediu	m pipe				
	Supply of 150 mn	n GI pipe					
	Poopara to Erachilpara	1.0000	6117.000				6117.000
	Erachilpara to Thodimala	1.0000	1317.000				1317.000
	Total						7434.000
				Tot	al Quantity	in metre	7434.000
1.005	OD182904/2023-2	2024	- 39.				
	Supply of 100 mm	GI(m) pi	pe	2017			
	100 mm GI		-callin	TO SERVICE SANDERS		_	
	Pooppara-Magna Peak	1.0000	1105.000	71			1105.000
	Spare pipe	1.0000	28.000	M FOR THE N WORKS	ANAGEMENT		28.000
	Deduction	1.0000	48.000				-48.000
	Total						1085.000
				Tot	al Quantity	in metre	1085.000
1.006	OD182905/2023-2	2024					
	Specials for 100 m	ım GI pipe	e excluding (GST(5% of c	cost of pipe)		
	Specials for 100	mm GI				<u> </u>	
		1.0000	1105.000				1105.000
	Total						1105.000
				1	otal Quanti	ty in L.S	1105.000
1.007	OD182909/2023-2	2024					
	Supplying 150 mm		ium pipe spe	ecials			
	Supplying 150 m						
		1.0000	6117.000				6117.000
	Total						6117.000
				Tot	al Quantity	in metre	6117.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
1.008	100.98.441				-						
	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Strape S1, Size 40mm.										
	Supply of 40mm s	ize air val	ve		T	, , , , , , , , , , , , , , , , , , ,					
		20.000					20.000				
	Total				•		20.000				
					Total Quant	tity in no	20.000				
1.009	100.98.440										
	Supply of CI Air V Type S1, Size 25m		nforming to 1	IS 14848 - 20	000, Single C	Orifice, Sn	nall Orifice				
	Supply of 25mm s	ize air val	ve								
		22.000 00					22.000				
	Total		-53			,	22.000				
			MATE		Total Quant	tity in no	22.000				
1.010	100.98.458		- orth	TO STATE OF THE PARTY OF THE PA							
	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Valve with Cap PN 1.6, Size 100mm.										
	Supply of 100mm	sluice val	ve platfor	M FOR THE N	ANAGEMENT						
		1.0000	OF PUBLIC	WORKS			1.000				
	Total						1.000				
					Total Quant	tity in no	1.000				
1.011	100.98.460										
	Supply of CI Doub Valve with Cap Pl			ve Conform	ing to IS 148	46 - 2000	, Sluice				
	Supply of 150mm	sluice va	lve			· · · · · · · · · · · · · · · · · · ·					
		3.0000					3.000				
	Total						3.000				
					Total Quant	tity in no	3.000				
1.012	100.98.461					-					
	Supply of CI Doul Valve with Cap Pl			ve Conform	ing to IS 148	46 - 2000	, Sluice				
	Supply of 200mm	sluice va	lve								
		2.0000					2.000				
	Total	,			l .	<u>'</u>	2.000				
					Total Quant	tity in no	2.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
1.013	100.98.462									
	Supply of CI Doul Valve with Cap Pl			ve Conformi	ng to IS 148	46 - 2000	, Sluice			
	250 mm Sluice Va	lve								
		1.0000					1.000			
	Total	• 1					1.000			
	Total Quantity in no									
2	Supply and laying Clear water pumping main-Working charges									
2.001	100.1.1									
	Excavating trenches sockets, and dressing out the exceeding 20cm in watering, etc., and 50m, in all kinds of	ng of side avated so depth, in disposing	es, ramming oil, and then recluding cons	of bottoms, of eturning the solidating eac	lepth up to 1; soil as requir ch deposited	.5m, inclured, in lay layer by r	iding ers not amming,			
	Excavatin	g trenches	all kinds of	soil 75%						
	200 mm DI K9	1.0000	4109.000	0.800	1.150	0.7500 00	2835.210			
	250 mm DI K9	1.0000	5407.000	0.900	1.200	0.7500 00	4379.670			
	150 mm DI K9	1.0000	2286.000	0.600	1.100	0.7500 00	1131.570			
	DEDUCTION for MS Pipe 200 mm	1.0000	72.000	0.800	1.150	0.7500 00	-49.680			
	DEDUCTION for MS Pipe 150mm	1.0000	80.000	0.600	1.050	0.7500 00	-37.800			
	DEDUCTION for MS Pipe 100mm	1.0000	48.000	0.600	1.000	0.7500 00	-21.600			
	Deduction for MS Pipe	1.0000	40.000	0.900	1.200	0.7500 00	-32.400			
	Total						8204.970			
				To	otal Quantit	y in cum	8204.970			
2.002	100.1.5									
	sockets, and dressi getting out the exc exceeding 20cm ir watering, etc., and	Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Excavation	in ordinar	y rock 15%				
	200 mm DI K9	1.0000	4109.000	0.800	1.150	0.1500 00	567.042
	250 mm DI K9	1.0000	5407.000	0.900	1.200	0.1500 00	875.934
	150 mm DI K9	1.0000	2286.000	0.600	1.100	0.1500 00	226.314
	DEDUCTION for MS Pipe 200 mm	1.0000	72.000	0.800	1.150	0.1500 00	-9.936
	DEDUCTION for MS Pipe 150mm	1.0000 0	80.000	0.600	1.050	0.1500 00	-7.560
	DEDUCTION for MS Pipe 100mm	1.0000 0	48.000	0.600	1.000	0.1500 00	-4.320
	Deduction for MS Pipe	1.0000	40.000	0.900	1.200	0.1500 00	-6.480
	Total	V					1640.994
		100		To	otal Quantity	y in cum	1640.994
2.003	100.2.2		e-PLATEOR	M GOD THE M	ANAGEMENT		
	Excavation work to foundation trenched including dressing out the excavated of 50m, in Mediur	es or drain of sides a soil and d	s (not exceed and ramming isposal of sur	ding 1.5m in of bottoms, plus excavat	width or 10r lift up to 1.5r ted soils as d	n2 on plan m, includi	n), ing getting
	Earth work exca	vation in	medium rock	5%			
	200 mm DI K9	1.0000	4109.000	0.800	1.150	0.0500 00	189.014
	250 mm DI K9	1.0000	5407.000	0.900	1.200	0.0500 00	291.978
	150 mm DI K9	1.0000	2286.000	0.600	1.050	$0.0500 \\ 00$	72.009
	DEDUCTION for MS Pipe 200 mm	1.0000 0	72.000	0.800	1.150	0.0500 00	-3.312
	DEDUCTION for MS Pipe 150mm	1.0000 0	80.000	0.600	1.050	0.0500 00	-2.520
	DEDUCTION for MS Pipe 100mm	1.0000 0	48.000	0.600	1.000	0.0500 00	-1.440
	Deduction for MS Pipe	1.0000	40.000	0.900	1.200	0.0500	-2.160

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Total						543.569					
				To	tal Quantity	y in cum	543.569					
2.004	100.1.13					-						
	Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Hard Rock where Blasting is Prohibited.											
	Earth work exc	cavation in	Hard Rock	5%								
	200 mm DI K9	1.0000	4109.000	0.800	1.150	0.0500 00	189.014					
	250 mm DI K9	1.0000	5407.000	0.900	1.200	0.0500 00	291.978					
	150 mm DI K9	1.0000	2286.000	0.600	1.100	$0.0500 \\ 00$	75.438					
	DEDUCTION for MS Pipe 200 mm	1.0000 0	72.000	0.800	1.150	0.0500 00	-3.312					
	DEDUCTION for MS Pipe 150mm	1.0000 0	80.000	0.600	1.050	0.0500 00	-2.520					
	DEDUCTION for MS Pipe 100mm	1.0000	48.000	0.600	1.000	0.0500 00	-1.440					
	Deduction for MS Pipe	1.0000	40.000	0.900	1.200	0.0500	-2.160					
	Total						546.998					
				To	tal Quantity	y in cum	546.998					
2.005	100.8.1											
	Fencing one side of in vertical casuaring						aution tape					
	Fencing											
		1.0000	20341.00 0				20341.00 0					
	Total											
				Tota	al Quantity	in metre	20341.00					
2.006	100.59.1											

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	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, traffic 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.									
	Cutting the bitum	inous roac	ds							
		1.0000 0	1850.000				1850.000			
	Total						1850.000			
				Tot	al Quantity	in metre	1850.000			
2.007	OD196216/2023-2	2024								
	Dismantling manually / by mechanical means and disposal of material within 50 metres lead as per direction of Engineer -in-Charge: Bituminous road									
	Dismantling of fle	xible pave	ement							
		1.0000 0	1850.000	0.600	0.200		222.000			
	Total						222.000			
		100		To	otal Quantit	y in sqm	222.000			
2.008	15.2.1		e-PLATEGE	M EOD THE M	ANAGEMENT					
	Demolishing ceme material within 50 concrete 1:3:6 or r	metres le	ad as per dir	ection of Eng	gineer - in-Cl					
	CC demolition	1 0000								
		1.0000	850.000	0.600	0.150		76.500			
	Total						76.500			
				To	otal Quantity	y in cum	76.500			
2.009	100.12.9									
	Conveying and fix refilling etc., but e diameter nominal	xcluding								
	100 mm GI pipe 1	057+48m	n MS							
		1.0000	1057.000 +48				1105.000			
	Total				•		1105.000			
				Tot	al Quantity	in metre	1105.000			
2.010	100.12.11									
	Conveying and fix refilling etc., but e diameter nominal	xcluding								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	150 mm GI pipe						
	Poopara booster - Erachilpara	1.0000	6117.000				6117.000
	Erachilpara booster - Thodimala GLSR	1.0000	1317.000				1317.000
	Total						7434.000
				Tot	al Quantity	in metre	7434.000
2.011	OD196370/2023-2	024					
	Testing 100mm G	I/MS pipe	line with pot	able water to	the required	d test press	sure
	Testing 100mm G	I/MS pipe	eline				
		1.0000	1105.000				1105.000
	Total						1105.000
			(3)	Tot	al Quantity	in metre	1105.000
2.012	OD196371/2023-2	024					
	Testing 150mm G	I/MS pipe	line with pot	able water to	the required	d test press	sure
	Testing 150mm G	I/MS pipe	line	3 -16			
		1.0000	7434.000	M FOR THE N	ANAGEMENT		7434.000
	Total		OF PUBLIC	WORKS			7434.000
				Tot	al Quantity	in metre	7434.000
2.013	100.14.2						
	Conveying and lay to IS: 8329 exclud K-9 Pipes.						
	laying 150mm D	·Ι					
	Jamespadi booster - Puthadi top	1.0000	2286.000				2286.000
	Total						2286.000
				Tot	al Quantity	in metre	2286.000
2.014	18.30.4						
	Providing flanged testing of joints:15			d C.I./ D.I p	ipes and spec	cials, inclu	ıding
	flanged joints 150						
		15.000					15.000
	Total	2.0	I		·		15.000
					Total Quant	ity in no	15.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
2.015	18.70.2	-				-			
	Providing push - or Pipes including tempipes								
	150 mm dia								
		425.00 000					425.000		
	Total						425.000		
				To	tal Quantity	y in joint	425.000		
2.016	OD167295/2023-2	2024				·			
	Labour for cutting pipe	Ductile Ir	on pipe with	steel saw.1:	50 mm diam	eter Ducti	le Iron.		
	200 mm DI								
		40.000		W.			40.000		
	Total		AH)	TALL.			40.000		
			with the second		Total Quant	tity in no	40.000		
2.017	100.35.2			210					
	Testing 150mm D 150 mm dia Observed Data der					test press	ure		
	150 mm	1.0000	2286.000				2286.000		
		0	2200.000						
	Total						2286.000		
				Tot	al Quantity	in metre	2286.000		
2.018	100.14.3 Conveying and lay to IS: 8329 exclud K-9 Pipes.	ving S&S (Centrifugally f pipes and s	y Cast (Spun pecials: 200) / Ductile Ir mm diameter	on Pipes c Ductile I	conforming ron Class		
	laying 200 mm D	ρΙ							
	CWR- Puthadi Jamespadi	1.0000	4109.000				4109.000		
	Total						4109.000		
	Total Quantity in metre 410								
2.019	18.30.5								
	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:200 mm diameter pipe								
	200 mm DI								
		15.000 00					15.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						15.000
				ı	Total Quant	ity in no	15.000
2.020	18.70.3					-	
	Providing push - o Pipes including tes pipes						
	200 mm dia	7.60.00					
		760.00 000					760.000
	Total						760.000
				To	tal Quantity	y in joint	760.000
2.021	OD167296/2023-2	2024					
	Labour for cutting	DI pipe w	vith steel sav	v 200 mm di	ameter of DI	Pipe	
	200 mm DI		A	le/\			
		26.000 00					26.000
	Total		Sho.	Silling.			26.000
				Total (Quantity in E	Each Cut	26.000
2.022	100.35.3	X					
	Testing 200mm D 200 mm dia Observed Data der	rived from			-	test pressi	ure
	Testing 200 mm				Ι	<u> </u>	
		1.0000	4109.000				4109.000
	Total						4109.000
				Tot	al Quantity	in metre	4109.000
2.023	100.14.4						
	Conveying and lay to IS: 8329 exclud K-9 Pipes.						
	Laying 250 mm D	I Pipe					
		1.0000	5407.000				5407.000
	Total						5407.000
				Tot	al Quantity	in metre	5407.000
2.024	18.30.6						
	Providing flanged testing of joints:25			ed C.I./ D.I p	ipes and spec	cials, inclu	ıding
	flanged joint						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		7.0000					7.000
	Total	<u> </u>					7.000
	1 0 0002				Total Quant	ity in no	7.000
2.025	18.70.4					•	
	Providing push - or Pipes including test pipes	on-joints to sting of joi	Centrifugal	lly (Spun) Ca uding the co	ast Iron Pipes st of rubber g	or Ductil asket:250	e Iron mm dia
	Push-on-Joints						
		990.00					990.000
	Total						990.000
				To	tal Quantity	in joint	990.000
2.026	OD167297/2023-2	2024		Radio Control			
	Labour for cutting	DI pipe w	ith steel sav	v 250 mm di	ameter DI Pi	pe	
	cutting		411	NOT THE			
		20.000					20.000
	Total	100		<u> </u>			20.000
	_						
			e-PLATFOR	Total (Quantity in E	Cach Cut	20.000
2.027	100.35.4		e-PLATFOR OF PUBLIC	Total (Quantity in F	Cach Cut	20.000
2.027	100.35.4 Testing 250mm D 250 mm dia Observed Data der		ne with pota	able water to	the required		
2.027	Testing 250mm D 250 mm dia	rived from	ne with pota	able water to	the required		
2.027	Testing 250mm D 250 mm dia Observed Data der	rived from	ne with pota	able water to	the required		
2.027	Testing 250mm D 250 mm dia Observed Data der	rived from DI Pipe 1.0000	ne with pota	able water to	the required		ure . 5407.000
2.027	Testing 250mm D 250 mm dia Observed Data der Testing 250 mm D	rived from DI Pipe 1.0000	ne with pota	able water to	the required	test pressi	ure . 5407.000
	Testing 250mm D 250 mm dia Observed Data der Testing 250 mm D	rived from DI Pipe 1.0000	ne with pota	able water to	the required	test pressi	5407.000 5407.000
	Testing 250mm D 250 mm dia Observed Data der Testing 250 mm D	rived from DI Pipe 1.0000 0 of M.S. pictory and conveyandel work with	ne with pota item no.102 5407.000 pes of size 1 ce charges of	Tot Omm (I.D.) of M.S. plate ore coat delu	the required DATA al Quantity using 8mm, all fabrication all fabrication and the surface of th	in metre	5407.000 5407.000 5407.000 c. plate s, charges
	Testing 250mm D 250 mm dia Observed Data der Testing 250 mm D Total Total In situ fabrication including cost and of painting the stee	rived from DI Pipe 1.0000 0 of M.S. pictory and conveyandel work with	ne with pota item no.102 5407.000 pes of size 1 ce charges of	Tot Omm (I.D.) of M.S. plate ore coat delu	the required DATA al Quantity using 8mm, all fabrication all fabrication and the surface of th	in metre	5407.000 5407.000 5407.000 c. plate s, charges
	Testing 250mm Di 250 mm dia Observed Data der Testing 250 mm Di Total Total 100.37.5.1 In situ fabrication including cost and of painting the stee even shade over an	rived from DI Pipe 1.0000 0 of M.S. pictory and conveyandel work with	ne with pota item no.102 5407.000 pes of size 1 ce charges of	Tot Omm (I.D.) of M.S. plate ore coat delu	the required DATA al Quantity using 8mm, all fabrication all fabrication and the surface of th	in metre	5407.000 5407.000 5407.000 c. plate s, charges
	Testing 250mm Di 250 mm dia Observed Data der Testing 250 mm Di Total Total 100.37.5.1 In situ fabrication including cost and of painting the stee even shade over an	of M.S. pictonveyanel work win under-co	pes of size 1 ace charges of the two or meat of primer	Tot Omm (I.D.) of M.S. plate ore coat delu	the required DATA al Quantity using 8mm, all fabrication all fabrication and the surface of th	in metre	5407.000 5407.000 5407.000 c. plate s, charges to give an
	Testing 250mm Di 250 mm dia Observed Data der Testing 250 mm Di Total Total 100.37.5.1 In situ fabrication including cost and of painting the stee even shade over an MS pipe 100 mm	of M.S. pictonveyanel work win under-co	pes of size 1 ace charges of the two or meat of primer	Tot Omm (I.D.) of M.S. plate ore coat delu etc., comple	the required DATA al Quantity using 8mm, all fabrication all fabrication and the surface of th	in metre thick M.Son charges	5407.000 5407.000 5407.000 5. plate s, charges to give an

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate cost and conveyance charges of M.S. plate, all fabrication charges, charges the steel work with two or more coat deluxe multi surface paint to give an ever an under-coat of primer etc., complete: For pipes fabricated with 8mm plates.							
	MS flange	· · · · · · · · · · · · · · · · · · ·		T				
		20.000					20.000	
	Total							
	Total Quantity in no							
2.030	100.37.5.3							
	Cutting 100mm (Including cost of gabricated with 8m cutting	gas, all lab	our and hire					
	jeuting	24.000	THE STATE OF				24.000	
	Total	001	470				24.000	
				316	Total Quant	ity in no	24.000	
2.031	100.37.5.4	N/		T II				
	Welding 100mm (welding machine i tools etc., complet	ncluding	cost of gas a	nd welding r	ods, all labou	ır and hire		
	welding	24.000						
		24.000					24.000	
	Total						24.000	
					Total Quant	ity in no	24.000	
2.032	100.37.5.5							
	Grinding cut and vincluding all labou 8mm thick M.S. p.	ır and hire						
	Grinding							
		48.000 00					48.000	
	Total						48.000	
	Total Quantity in no							
2.033	33 100.37.6.1							
	In situ fabrication of M.S. pipes of size 150mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. 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.							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	MS pipe 150mm											
		1.0000	80.000				80.000					
	Total						80.000					
				Tot	al Quantity	in metre	80.000					
2.034	100.37.6.2											
	cost and conveyan the steel work with	Fabricating M.S. flanges of diameter 150mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. 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 M.S.										
	MS flange											
		30.000					30.000					
	Total		Л	le/\			30.000					
			a Ki		Total Quant	ity in no	30.000					
2.035	100.37.6.3											
	Cutting 150mm (I. including cost of g fabricated with 8m cutting	gas, all lab	our and hire	charges of to								
		40.000	OF PUBLIC	WORKS			40.000					
	Total						40.000					
				1	Total Quant	ity in no	40.000					
2.036	100.37.6.4					-						
	Welding 150mm (welding machine i tools etc., complet	including	cost of gas ar	nd welding r	ods, all labou	ır and hire	as/electric charges of					
	Welding				Ι	· ·						
		40.000					40.000					
	Total						40.000					
				ı	Total Quant	ity in no	40.000					
2.037	100.37.6.5											
	including all labou 8mm thick M.S. p	ır and hire			pipes during f mplete: For p							
	including all labou	ır and hire										

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						80.000
				ı	Total Quant	ity in no	80.000
2.038	100.37.7.1					-1	
	In situ fabrication including cost and of painting the stee even shade over an	conveyar el work w	ice charges of the two or me	of M.S. plate, ore coat delu	, all fabricati xe multi surf	on charge	s, charges
	MS pipe 200mm						
		1.0000	72.000				72.000
	Total	•					72.000
				Tot	al Quantity	in metre	72.000
2.039	100.37.7.2						
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge n two or n	s of M.S. pla nore coat del	te, all fabrica uxe multi su	ation charges rface paint to	s, charges give an e	of painting ven shade
	MS flange	20.000		711			
		30.000	CORL ATECOS	M EOR THE N	ANAGEMENT		30.000
	Total		OF PUBLIC	WORKS			30.000
					Total Quant	ity in no	30.000
2.040	100.37.7.3						
	Cutting 200mm (I. including cost of g fabricated with 8m	as, all lab	our and hire	king bends a charges of to	nd other spectools etc., con	cials by ganglete: For	as cutting r pipes
	Cutting		•				
		36.000 00					36.000
	Total	•					36.000
				ı	Total Quant	ity in no	36.000
2.041	100.37.7.4					<i>y</i>	
	Welding 200mm (welding machine i tools etc., complet	ncluding	cost of gas a	nd welding r	ods, all labou	ir and hire	
	Welding						
		36.000 00					36.000
	Total						36.000
					Total Quant	ity in no	36.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
2.042	100.37.7.5	-							
	Grinding cut and vincluding all labou 8mm thick M.S. p	ır and hire	s of 200mm of charges of t	(I.D.) M.S. p ools etc., coi	ipes during f nplete: For p	abrication ipes fabri	work with		
	Grinding								
		72.000					72.000		
	Total						72.000		
	Total Quantity in no								
2.043	100.37.8.1								
	In situ fabrication including cost and of painting the stee even shade over an	conveyan	ice charges of the two or me	of M.S. plate, ore coat delu	all fabrication xe multi surf	on charges	s, charges		
	Fabrication 250 m	ım MS Pij	be	W.		Т			
		1.0000	40.000	9 419			40.000		
	Total		- dill				40.000		
	Total Quantity in metre								
2.044	100.37.8.2	M	12				40.000		
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates.	ce charges n two or m	s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade		
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coar	ce charges n two or m	s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade		
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates.	ce charges n two or m	s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade		
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates.	ce charges n two or m t of primer	s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade thick M.S.		
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates. MS flange	ce charges n two or m t of primer	s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur ete: For pipe	2mm thick Mation charges	I.S. plate in the first place in	including of painting ven shade thick M.S.		
	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates. MS flange	ce charges n two or m t of primer	s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur ete: For pipe	2mm thick Mation charges face paint to s fabricated v	I.S. plate in the first place in	including of painting ven shade thick M.S. 14.000		
	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates. MS flange Total	two or material to the control of two or material to the control of the control o	s of M.S. pla nore coat del r etc., comple pipes for ma our and hire	Omm using 1 te, all fabrica uxe multi surete: For pipe	2mm thick Mation charges face paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 14.000 14.000 14.000 as cutting		
	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates. MS flange Total 100.37.8.3 Cutting 250mm (Lincluding cost of g	two or material to the control of two or material to the control of the control o	s of M.S. pla nore coat del r etc., comple pipes for ma our and hire	Omm using 1 te, all fabrica uxe multi surete: For pipe	2mm thick Mation charges face paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 14.000 14.000 14.000 as cutting		
	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates. MS flange Total 100.37.8.3 Cutting 250mm (I including cost of g fabricated with 8m	two or material to the control of two or material to the control of the control o	s of M.S. pla nore coat del r etc., comple pipes for ma our and hire	Omm using 1 te, all fabrica uxe multi surete: For pipe	2mm thick Mation charges face paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 14.000 14.000 14.000 as cutting		
	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates. MS flange Total 100.37.8.3 Cutting 250mm (I including cost of g fabricated with 8m	two or met of primer 14.000 00 00 00 00 00 00 00 00 00 00 00 00	s of M.S. pla nore coat del r etc., comple pipes for ma our and hire	Omm using 1 te, all fabrica uxe multi surete: For pipe	2mm thick Mation charges face paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 14.000 14.000 14.000 as cutting r pipes		
	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates. MS flange Total 100.37.8.3 Cutting 250mm (Lincluding cost of g fabricated with 8m cutting	two or met of primer 14.000 00 00 00 00 00 00 00 00 00 00 00 00	s of M.S. pla nore coat del r etc., comple pipes for ma our and hire	Omm using 1 te, all fabrica uxe multi sure ete: For pipe	2mm thick Mation charges face paint to s fabricated v	ity in no	including of painting ven shade thick M.S. 14.000 14.000 14.000 as cutting r pipes		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Welding 250mm (welding machine tools etc., complet	including of	cost of gas a	nd welding r	ods, all labou	ır and hire	gas/electric e charges of				
	tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 18.000 00										
							18.000				
	Total						18.000				
	Total Quantity in no										
2.047	100.37.8.5										
	Grinding cut and vincluding all labou 8mm thick M.S. p	ır and hire									
	grinding				Т	· · · · · · · · · · · · · · · · · · ·					
		36.000 00		lo?			36.000				
	Total		TK.				36.000				
					Total Quant	ity in no	36.000				
2.048	18.68.1	× 2									
	Providing and lay IS: 9523:Upt 600	ing D.I spo) mm dia	ecials of clas	s K - 12 suit	able for push	- on joint	ing as per				
	Providing and laying D.I specials of class K - 12 suitable for push - on jointing IS: 9523: Upt 600 mm dia D.I specials										
	200*90 bend	4.0000				0.3200 00	1.280				
	200*45 bend	17.000 00				0.2600 00	4.420				
	200*22.5 bend	21.000				0.2300 00	4.830				
	200*11.25 bend	32.000 00				0.2100 00	6.720				
	250*90 bend	4.0000				0.4800 00	1.920				
	250*45 bend	4.0000				0.3600 00	1.440				
	250*22.5 bend	4.0000				0.3200 00	1.280				
	250*11.25 bend	4.0000				0.3000 00	1.200				
	150*90 bend	6.0000				0.2000	1.200				
	150*45 bend	14.000 00				0.1600 00	2.240				
	150*22.5 bend	20.000				0.1500 00	3.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	150*11.25 bend	35.000 00				0.1400 00	4.900
	100*90 bend	2.0000				0.1100 00	0.220
	100*45 bend	3.0000				0.1000 00	0.300
	100*22.5 bend	4.0000				0.0900 00	0.360
	100*11.25 bend	6.0000				0.0900 00	0.540
	200*150 TEE	20.000				0.3600	7.200
	200*100 TEE	12.000				0.3100	3.720
	150*100 TEE	10.000	J	lan.		0.2200	2.200
	250*TP	2.0000	AS			0.3200	0.640
	200mm TP	10.000	200			0.2000	2.000
	150mm TP	10.000	1-	Z IL		0.1400	1.400
	100mm TP	2.0000	e-PLATFOR OF PUBLIC	M FOR THE N WORKS	ANAGEMENT	0.0900	0.180
	Total	- 1					53.190
				Tota	l Quantity ir	quintal	53.190
2.049	18.69.1						
	Providing and layi per IS: 9523:Upto	ng D.I Spo o 600 mm	ecials of Cla dia	ıss K - 12 sui	table for med	chanical jo	inting as
	MJ collar			T	T		
	100 mm M J Collar	2.0000				0.1300 00	0.260
	150 mm M J Collar	20.000				0.2000 00	4.000
	200 mm M J Collar	9.0000				0.2700 00	2.430
	250 mm MJ collor	8.0000				0.3600 00	2.880
	Total						9.570
				Tota	l Quantity ir	quintal	9.570
2.050	100.31.1.4						
	Conveying and fix insertions etc., con will be paid separa	nplete, but	t excluding t	he cost of th			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	150 mm						
		3.0000					3.000
	Total						3.000
				I	Total Quant	ity in no	3.000
2.051	100.31.1.2						
	Conveying and fix insertions etc., cor will be paid separa	nplete, bu	t excluding t	he cost of the			
	sluice valve	,					
	100 mm	1.0000					1.000
	Total						1.000
				Ru Po	Total Quant	ity in no	1.000
2.052	100.31.1.5		- 6				
	Conveying and fix insertions etc., cor will be paid separa	nplete, bu	t excluding t	he cost of the			
	sluice valve	100		711			
	200 mm valve for scour arrangements	2.0000	e-PLATFOR OF PUBLIC	M FOR THE N WORKS	ANAGEMENT		2.000
	Total						2.000
				ı	Total Quant	ity in no	2.000
2.053	100.31.1.6						
	Conveying and fix insertions etc., corwill be paid separa	nplete, bu	t excluding t	he cost of the	providing be valve (tail p	olts, nuts, pieces, if i	rubber equired,
	250 mm sluice val	ve			T		
		1.0000					1.000
	Total						1.000
				ı	Total Quant	ity in no	1.000
2.054	100.32.1						
	Conveying and fix nuts, rubber insert required, will be p	ions etc., o	complete, bu	t excluding t	he cost of air	valve (ta	
	Air valve 25 mm				Г	T	
		22.000 00					22.000
	Total						22.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				,	Total Quant	ity in no	22.000			
2.055	100.32.2									
	Conveying and fix nuts, rubber insert required, will be p	ions etc., o	complete, bu	t excluding t	he cost of air	valve (ta				
	Air valve									
	40mm	20.000					20.000			
	Total						20.000			
				,	Total Quant	ity in no	20.000			
2.056	2.6.1									
	Earth work in exca over areas (exceed including disposal earth to be levelled	ling 30 cm of excava	in depth, 1 ted earth, lea	5 m in width ad up to 50 n	as well as 10 and lift up	on sqm	plan)			
	Excavation	7,0000								
	for valve chamber	7.0000	1.600	1.600	1.500		26.880			
	Total						26.880			
				To	otal Quantit	y in cum	26.880			
2.057	4.1.3		e-PLATFOR OF PUBLIC	M FOR THE M WORKS	IANAGEMENT					
	Providing and layi of centering and sl (zone-III) : 4 grade	nuttering -	All work up	to plinth lev	vel:1:2:4 (cer					
	PCC and Anch	or Block								
	Basement	7.0000	1.600	1.600	0.100		1.792			
	Anchor Block	200.00	0.600	0.600	0.600		43.200			
	Total						44.992			
				To	otal Quantit	y in cum	44.992			
2.058	5.1.2									
	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size									
	RCC	Г			Г					
	Cover slab	21.000 00	0.500	1.500	0.250		3.938			
	base slab	7.0000	1.500	1.500	0.150		2.363			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	side wall long	14.000 00	1.500	0.250	1.000		5.250			
	side wall Short	14.000 00	1.000	0.250	1.000		3.500			
	Total						15.051			
				To	tal Quantity	y in cum	15.051			
2.059	5.22.4									
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelHot rolled deformed bars									
	Steel reinforcen	nent								
	@60 kg/cum for valve chamber	15.051 00				60.000 000	903.060			
	@20 kg/cum for AB	43.200 00				20.000 000	864.000			
	Total		1				1767.060			
			AJK (Total Q	uantity in k	ilogram	1767.060			
2.060	5.9.2		100	15 (Jan 20)						
	Centering and shut thickness) includir	ng attached								
	Centering and sl		e-PLATFOR	M FOR THE M	ANAGEMENT					
	side wall(out side)	7.0000	1.5*4	WORKS	1.000		42.000			
	side wall(in side)	7.0000	1*4		1.000		28.000			
	anchor block	200.00 000	0.6*4		0.600		288.000			
	Total						358.000			
				To	otal Quantity	y in sqm	358.000			
2.061	5.9.3									
	Centering and shufloors, roofs, landi					orm for:S	uspended			
	Centering and sh	uttering								
	cover slab-side wall	21.000 00	4.000		0.250		21.000			
	Total						21.000			
				To	tal Quantity	y in sqm	21.000			
3	Construction of 0.	5 LL Capa	city steel sto	rage tank Ne	ear Magna Pe	eak				
3.001	2.31									
	Clearing jungle ind saplings of girth up removal of rubbish	p to 30 cm	measured at	t a height of	1 m above gi	round leve	el and			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Clearing jungle		-					
		1.0000	6.000	6.000			36.000	
	Total						36.000	
				To	otal Quantit	y in sqm	36.000	
3.002	2.6.1							
	Earth work in exca over areas (exceed including disposal earth to be levelled	ling 30 cm of excava	in depth, 1.5 ited earth, lea	5 m in wiďth ad up to 50 m	as well as 10 and lift up 1	0 sqm on j	plan)	
	Earth work	Г		1				
	for ring beam	1.0000	3.14*4.85 5*4.855		0.450	0.2500 00	8.326	
	cutting and levelling	1.0000	5.500	5.500	0.750		22.688	
	Total		T K				31.014	
				To	tal Quantity	y in cum	31.014	
3.003	4.1.8							
	Providing and layi of centering and sl sand : 8 graded sto	nuttering -	All work up	to plinth lev	pecified grad rel:1:4:8 (1 c	de excludi ement : 4	ng the cost coarse	
	PCC 1:4:8							
	For ring beam	1.0000	3.14*4.85 5*4.855		0.200	0.2500	3.701	
	Total						3.701	
				To	tal Quantit	y in cum	3.701	
3.004	5.2.2							
	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up tot floor five level excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3(1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)							
	RCC 1:1.5:3				=			
	For ring beam	1.0000	3.14*4.85	0.450	0.450		3.087	
	Total						3.087	
				To	tal Quantity	y in cum	3.087	
3.005	5.9.3							
	Centering and shu floors, roofs, landi					form for:S	uspended	
	Formwork							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Outer area	1.0000	3.14*5.30 5		0.450		7.496
	Inner area	1.0000	3.14*4.40		0.450		6.224
	Total						13.720
				T	otal Quantity	y in sqm	13.720
3.006	5.22.6						
	Steel reinforcemer in position and bin bars of grade Fe-5	nding all co	omplete upto				
	@120 kg/cun	n					
		3.0870				120.00 0000	370.440
	Total						370.440
			_A	Total (Quantity in k	ilogram	370.440
			- LV-	W- 43			
3.007	2.25		1478	2441			
3.007	Filling available expoundation etc. in layer by ramming	layers not and water	exceeding 20 ing, lead up t	cm in dept	h, consolidat	ing each o	
3.007	Filling available exfoundation etc. in	layers not and water compacti	exceeding 20 ing, lead up tong	cm in dept o 50 m and	h, consolidat lift up to 1.5	ing each o	
3.007	Filling available expoundation etc. in layer by ramming	layers not and water	exceeding 20 ing, lead up t	cm in dept	h, consolidat lift up to 1.5	ing each o	
3.007	Filling available expoundation etc. in layer by ramming	layers not and water compacti	exceeding 20 ing, lead up t	o cm in dept o 50 m and	h, consolidat lift up to 1.5	ing each o	leposited
3.007	Filling available enfoundation etc. in layer by ramming Earth filling and	layers not and water compacti	exceeding 20 ing, lead up t	2.202	h, consolidat lift up to 1.5	ing each o	deposited 4.568
	Filling available enfoundation etc. in layer by ramming Earth filling and	layers not and water compaction 3.1400 0	exceeding 20 ing, lead up t	2.202	h, consolidat lift up to 1.5 0.300	ing each o	4.568 4.568
	Filling available exfoundation etc. in layer by ramming Earth filling and Total	layers not and water compacting 3.1400 0	exceeding 20 ing, lead up to ng 2.202	2.202 To	h, consolidat lift up to 1.5 0.300	y in cum	4.568 4.568 4.568
	Filling available exfoundation etc. in layer by ramming Earth filling and Total OD167298/2023-2 Supply of Sand incharges as per	layers not and water compacting 3.1400 0	exceeding 20 ing, lead up to ng 2.202	2.202 To	h, consolidat lift up to 1.5 0.300	y in cum	4.568 4.568 4.568
	Filling available exfoundation etc. in layer by ramming Earth filling and Total OD167298/2023-2 Supply of Sand incharges as per the direction of de	layers not and water compacting 3.1400 0	exceeding 20 ing, lead up to ng 2.202	2.202 To	h, consolidat lift up to 1.5 0.300	y in cum	4.568 4.568 4.568
	Filling available exfoundation etc. in layer by ramming Earth filling and Total OD167298/2023-2 Supply of Sand incharges as per the direction of de	layers not and water compacting 3.1400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	exceeding 20 ing, lead up to ng 2.202 ading, unload	2.202 To	0.300 otal Quantity ortation and o	y in cum	4.568 4.568 4.568 ental
	Filling available exfoundation etc. in layer by ramming Earth filling and Total OD167298/2023-2 Supply of Sand incharges as per the direction of de Sand filling	layers not and water compacting 3.1400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	exceeding 20 ing, lead up to ng 2.202 ading, unload	2.202 Telling, transpo	0.300 otal Quantity ortation and o	y in cum	4.568 4.568 4.568 4.548 4.548

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply, installation manufactured steethickness of 0.6						
	mm, in multiple la multiplelayered	yers as re	quired for th	e capacity an	d height of t	he tank ar	nd
	PE sheet/membran		inner contair	ment liner. 7	The Tank She	ell / Body	
	& amp; amp; amp; the material shall be mustandards. The Tar	nanufactu					
	outlets, drains and fittings, overfl to the	ow and d	rain, high an	d low water l	evel indicato	ors. All co	nnections
	tanks shall be with	flanged	or threaded n	ozzles, place	ed to the KW	A water n	nains
	:The roof of the tar	nk shall b	e of corrugat	ed Galvalum	e sheet steel	and shall	be domed,
	heavy- duty Hot-d	ip Galvan	ized truss fra	ame for supp	ort, and capa	ble of sup	porting 4-5
	for maintenance ar roof, for	nd cleanin	ng and tank s	hall have an	access hatch	with cove	er, on the
	operation and Mai galvanized	ntenance	TANK COV	ER :Tank co	vers shall be	of approv	ved
	vermin proof cons tape or other					•	C
	material, to preven the top		e-PLATFOR	M FOR THE M	ANAGEMENT		
	edge of the tank w with Hotdip	_					_
	Galvanized ladder appropriately designith relevant						
	spill level, air gap and bolts	and overf	low requiren	nents relative	e to Effective	Capacity	. All nuts
	used for the panels hardened.	shall be	a minimum o	of 12mm size	and hot-dip	galvanize	ed/Case
	The tank shall hav at the top,	e a circula	ar angle fixe	d around the	total circumf	erence of	the tanks,
	of minimum 2 mm prior to being						
	brought into servic 4.855m in						
	diameter and 2.9m years.	C				C	
	TANK CONNECT Flanged valve						
	ii) Overflow conne maximize		_			_	
	the overflow capac of the	•		, , ,			
	tank with isolation purposedesigned						
	and manufactured ANSI/NSF 61 - 20						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	furnished by the manufacturer of the tanks. Tank liners shall: i) Be factory manufactured to onepiece construction, fabricated from multi-layer PE sheet, certified for potable drinking water, to										
	(ANSI/ NSF 61) and duly UV Stabilized. ii) Be of PE (polyethylene) in multi-layer construction for strength, reinforced with woven scrim industrial fabric to prevent elongation and										
	enhance				_	_					
	tensile strength. Tl The tensile										
	strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing strength of										
	2056 N v) All the liner welded lap joints shall be strengthened with Metallocene encapsulating										
	tape welded over the overlap. vi) The Metallocene tape shall cover and protect the exposed material at the edges of the liner joints to further prevent the ingress of water into the										
	scrim. vii)		ū	Sa/N	C						
	Liners shall be pos circumference	•	(LIK)	(DALL)	•						
	of the tank to prev liners on										
	tanks over 2m in h										
	(or other material) corresponding		e-PLATFOR	M FOR THE M	ANAGEMENT						
	to the level of each secured to the steel shell at each 1										
	eliminate possibility of failu				J						
	secondary corrosion protection										
	anodes, their location around the	•	C	C							
	replacement frequency of five y				•						
	apron with their location										
	guarantee includes shel l,Ste	el wall,ste	eel domed ro	of,Zinc Alun	n steel&	amp;39;,0	Cost for				
	Poly ethylene infinity						_				
	liner ,Geo syntheti Support Arrangem ladder,Cost of	c Fibre w ents,Cost	ith food grad for Fabricat	le plastics are ed items,atta	e used for ins chments and	side coatir accessori	ng and es like steel				
	Fabricated nozzles bolts, Freight Char	over flov ges,Erecti	v nozzles and on Installation	d drain arrang on and comm	gements, Cos sissioning of	st for HD0 tank com	G nut and ponents.				
	Steel Tank										
	Magna peak	1.0000 0	50000.00 0				50000.00 0				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						50000.00 0			
				То	tal Quantity	in Litre	50000.00 0			
3.010	OD167300/2023-2	2024								
	Dowel bars - Supp (1m in rock and 11 gap with cement g	n in conci	ete) includin							
	Dowel bar									
		38.000 00					38.000			
	Total						38.000			
		ity in no	38.000							
4	Construction of 2.6LL Capacity steel storage tank at Thondimala									
4.001	2.31									
	saplings of girth u	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared								
	Clearing jungle			J						
		1.0000	11.000	11.000	ANAGEMENT		121.000			
	Total		OF POSCIC	WORKS			121.000			
				To	otal Quantit	y in sqm	121.000			
4.002	2.1.1									
	Earth work in surf width as well as 10 lift up to 1.5 m, di	on 1 sqm	olan includin	g disposal of	f excavated e	arth up to	50 m and			
	For site levelling									
	Thodimala	1.0000	11.000	11.000			121.000			
	steel tank for PCC	1.0000	4.360	4.360		3.1400 00	59.690			
	Total						180.690			
				To	otal Quantit	y in sqm	180.690			
4.003	2.7.3									
	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. Hard rock (blasting prohibited)									
	Hard rock		Т							
		1.0000	10.000	10.000	0.300		30.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						30.000			
				To	otal Quantity	y in cum	30.000			
4.004	4.1.3									
	Providing and layi of centering and sh (zone-III): 4 grade	nuttering -	All work up	to plinth lev	el:1:2:4 (cen	le excludi nent : 2 co	ing the cost parse sand			
	PCC-1:2:4									
		1.0000	4.594	4.594	0.200	3.1400 00	13.254			
	Total		13.254							
		y in cum	13.254							
4.005	5.1.2									
	excluding the cost to plinth level:1:1: nominal size	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size								
	RCC Ring Beam	1 0000	Sep.	CONTRACT.		2 1 400				
		1.0000	8.739	0.450	0.450	3.1400 00	5.557			
	Total						5.557			
			e-PLATFOR OF PUBLIC	M FOR THE M WORKS T	otal Quantity	y in cum	5 . 557			
4.006	5.9.1									
	Centering and shur footings, bases of				removal of f	orm for:F	oundations,			
	Centering and Shu	uttering								
	Outside	1.0000	9.189		0.450	3.1400 00	12.984			
	Inside	1.0000	8.289		0.450	3.1400 00	11.712			
	Total						24.696			
				To	otal Quantit	y in sqm	24.696			
4.007	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									
	Reinforcement @100kg/cum									
	For ring beam 5.5570 120.00 0000									
	Total									
	Total Quantity in kilogram									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Filling available extends foundation etc. in layer by ramming	layers not	exceeding 2	0 cm in dept	h, consolidat	ing each o					
	Earth filling and c	compacting	g								
		1.0000 4.140 4.140 0.300 3.1400 00									
	Total						16.146				
	Total Quantity in cum										
4.009	OD167301/2023-2	2024									
	Supply of Sand incharges as per the direction of de	Ü	<u>O</u> v	ding, transpo	ortation and o	ther incid	ental				
	sand filling										
		1.0000	4.140	4.140	0.150	3.1400 00	8.073				
	Total		a K				8.073				
			(E.)	To	otal Quantity	y in cum	8.073				
4.010	OD167302/2023-2	2024									

e-PLATFORM FOR THE MANAGEMENT OF PUBLIC WORKS

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Supply, installation manufactured steel thickness of 0.6	n and con I storage \	nmissioning Water Tank l	of a pre-enginaving a capa	neered, pre-facity of 2600	abricated, 00 L(1No	factory s.)		
	mm, in multiple la multiplelayered	yers as re	quired for th	e capacity an	d height of t	he tank ar	nd		
	PE sheet/membran the Liner	e for the	inner contair	ment liner. 7	The Tank Sho	ell / Body			
	material shall be m standards. The Tar outlets, drains								
	and fittings, overfl	ow and d	rain, high an	d low water l	evel indicate	ors. All co	nnections		
	tanks shall be with flanged or threaded nozzles, placed to the KWA water mains TANK ROOF								
	:The roof of the tank shall be of corrugated Galvalume sheet steel and shall be domed, with								
	heavy- duty Hot-dipersons	ip Galvan	ized truss fra	ame for supp	ort, and capa	ble of sup	porting 4-5		
	for maintenance ar roof, for	nd cleanin	ng and tank s	hall have an	access hatch	with cove	er, on the		
	operation and Maingalvanized	ntenance	TANK COV	ER :Tank co	vers shall be	of approv	ved		
	vermin proof constape or other	truction. I	Roof ends sh	all be fitted v	vith suitable	vermin-p	roofing		
	material, to preven the top		e-PLATFOR	M FOR THE M	ANAGEMENT		•		
	edge of the tank w with Hotdip	ith galvar	nized bolts ar	nd nuts. LAD	DERS :Tank	ks shall be	provided		
	Galvanized ladders appropriately designith relevant								
	spill level, air gap and bolts	and overf	low requiren	nents relative	to Effective	Capacity	. All nuts		
	used for the panels hardened.	shall be	a minimum o	of 12mm size	and hot-dip	galvanize	ed/Case		
	The tank shall have at the top,	e a circula	ar angle fixed	d around the	total circumf	erence of	the tanks,		
	of minimum 2 mm prior to being	thicknes	s. Tanks shal	l be properly	flushed out	with clear	n water		
	brought into servic 8.739m in								
	diameter and 4.3m years.	C				Ü			
	TANK CONNECT Flanged valve		·			,			
	ii) Overflow conne maximize		_			_			
	the overflow capac of the	•		, , ,					
	tank with isolation purposedesigned								
	and manufactured ANSI/NSF 61 - 20	and shall 08, Section	comply to A on 5 Certification	S/NZS 4020 ates of comp	(Appendix A liance to abo	A)of 2005 ve standar	and and shall be		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	furnished by the manufactured to or construction, fabri to	nepiece			,	•	nking water,		
	(ANSI/ NSF 61) a construction	nd duly U	V Stabilized	. ii) Be of PE	E (polyethyle	ne) in mu	lti-layer		
	for strength, reinfo				•	Ū			
	tensile strength. The tensile								
	strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing strength of 2056 N v) All the liner welded lap joints shall be strengthened with Metallocene								
	encapsulating tape welded over the overlap. vi) The Metallocene tape shall cover and protect the								
	exposed material at the edges of the liner joints to further prevent the ingress of water into the								
	scrim. vii) Liners shall be positively and continuously attached to the top outer edge of the circumference								
	of the tank to prevent entry of water from the runoff from the roof structure. viii) All liners on								
	tanks over 2m in height shall have a continuous intermediate liner support designed out of nylon (or other material)cord, around the circumference of the tank, at vertical intervals								
	corresponding to the level of each		e-PLATFOR	M FOR THE M	ANAGEMENT				
	secured to the steel shell at each leliminate	level, to p	revent stress	on the liner	welded joint	s, and the	reby		
	possibility of failu secondary	re CORR	OSSION PR	OTECTION	. The tank str	ructure sh	all have a		
	corrosion protection anodes, their	•	C	C					
	location around the replacement frequency of five y				`				
	apron with their location								
	guarantee includes shel l,Ste			•			•		
	Poly ethylene infinity liner ,Geo synthetic Fibre with food grade plastics are used for inside coating and								
	Support Arrangements, Cost for Fabricated items, attachments and accessories like steel ladder, Cost of								
	Fabricated nozzles, over flow nozzles and drain arrangements, Cost for HDG nut and bolts, Freight Charges, Erection Installation and commissioning of tank components.								
	GLSR at Thodima								
	Dia- 8.739m, ht- 4.3m	26000 0.0000 0					260000.0 00		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						260000.0 00			
				To	tal Quantity	in Litre	260000.0 00			
4.011	OD167303/2023-2	2024				•				
	Dowel bars - Supp (1m in rock and 1r gap with cement g	n in concr	ete) includin	IS dowel bar ng drilling ho	s of size 16m les of 20mm	nm dia of dia and fi	2m long illing the			
	Dowel Bars- 16m	m dia				г				
		60.000 00								
	Total	60.000								
		60.000								
5	Construction of 2.9									
5.001	2.1.1		-13.							
	Earth work in surf width as well as 10 lift up to 1.5 m, dis	o sqm on p	olan includin	g disposal of	f excavated e	arth up to	50 m and			
	For Site Levell	ing								
	Puthadi top GLSR	1.0000	12.500	12.500	ANAGEMENT		156.250			
	For site leveling	1.0000	3.14*12.1 02*12.10 2			0.2500 00	114.970			
	Total						271.220			
				To	otal Quantit	y in sqm	271.220			
5.002				To	otal Quantit	y in sqm				
5.002		nuttering -	All work up	concrete of so	specified grad	de excludi	271.220 ng the cost			
5.002	4.1.3 Providing and layi of centering and sh	nuttering -	All work up	concrete of so	specified grad	de excludi	271.220 ng the cost			
5.002	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade	nuttering -	All work up	concrete of so	specified grad	de excludi ment : 2 co	271.220 ng the cost			
5.002	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade For PCC Puthadi top	nuttering - ed stone a	All work up	concrete of so to plinth leve mm nominal	specified grad vel:1:2:4 (cer size)	de excludi nent : 2 co	ng the cost parse sand			
5.002	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade For PCC Puthadi top GLSR	nuttering - ed stone a	All work up	concrete of so to plinth lever mm nominal	specified grad vel:1:2:4 (cer size)	de excludi ment : 2 co 3.1400 00	ng the cost parse sand 17.245			
5.002	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade For PCC Puthadi top GLSR Total	nuttering - ed stone a	All work up	concrete of so to plinth lever mm nominal	specified grad vel:1:2:4 (cer size) 0.150	de excludi ment : 2 co 3.1400 00	271.220 Ing the cost parse sand 17.245 17.245			
	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade For PCC Puthadi top GLSR Total	1.0000 ong in posi	All work upggregate 20 me and the specifie ng, shutterin	concrete of so to plinth lever mm nominal 6.051 To d grade of reg, finishing seconds.	opecified grad yel:1:2:4 (cer size) 0.150 Otal Quantity inforced cereand reinforced	de excludinent : 2 co	271.220 Ing the cost parse sand 17.245 17.245 17.245 ete, l work up			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		1.0000	11.652	0.450	0.450	3.1400	7.409
	Total	- 1	'	'			7.409
				To	tal Quantity	y in cum	7.409
5.004	5.9.1						
	Centering and shu footings, bases of	ttering inc	luding strutti etc for mass	ing, etc. and concrete	removal of f	orm for:F	oundations,
	Centering and Sh						
	Outside	3.1400	12.102		0.450		17.100
	Inside	3.1400	11.202		0.450		15.828
	Total						32.928
				To	tal Quantit	y in sqm	32.928
5.005	5.22.6						
	Steel reinforcements in position and bir bars of grade Fe-5	ding all co	omplete upto	iding straigh plinth level	tening, cuttir Thermo - Me	ng, bendin echanicall	g, placing y Treated
	Steel Reinforcer	nent					
	@120 kg/cum	1.0000	7.409	M FOR THE M	ANAGEMENT	120.00 0000	889.080
	Total		0 0.000				889.080
				Total Q	Quantity in k	ilogram	889.080
5.006	2.25						
	Filling available en foundation etc. in layer by ramming	layers not and water	exceeding 20 ing, lead up t	0 cm in deptl	n, consolidat	ing each d	
	Earth filling and (Compactin	g				
		3.1400	5.601	5.601	0.300		29.552
	Total						29.552
				To	tal Quantit	y in cum	29.552
5.007	OD167304/2023-2	2024					
	Supply of Sand incharges as per the direction of de			ding, transpo	rtation and o	ther incid	ental
	Sand Filling	г	Т				
		3.1400	5.601	5.601	0.150		14.776
	Total						14.776
				To	tal Quantity	y in cum	14.776

I	Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
I	5.008	OD167305/2023-2	2024					



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Supply, installation manufactured steel thickness of 0.6						factory		
	mm, in multiple la multiplelayered	•	•		C		nd		
	PE sheet/membran & the	he Liner							
	material shall be m standards. The Tar outlets, drains	ık shall be	e supplied wi	th access poi	ints, penetrat	ions for i	nlets,		
	and fittings, overflow and drain, high and low water level indicators. All connections to the								
	tanks shall be with flanged or threaded nozzles, placed to the KWA water mains TANK ROOF								
	:The roof of the tar		C				·		
	heavy- duty Hot-di persons	-		la/h	-	-			
	for maintenance ar roof, for		(LIK)	9 /4511					
	operation and Main galvanized			T. September					
	vermin proof constape or other					•	Ü		
	material, to preven the top		e-PLATFOR	M FOR THE M	ANAGEMENT		•		
	edge of the tank w with Hot dip	_					_		
	Galvanized ladders appropriately designith relevant	gned Hot-	dip galvaniz	ed Steel cons	truction. Tar	nks shall c	comply		
	spill level, air gap and bolts		•						
	used for the panels hardened.	s shall be a	a minimum c	of 12mm size	and hot-dip	galvanize	ed/Case		
	The tank shall have at the top,	e a circula	ar angle fixed	d around the	total circumf	ference of	the tanks,		
	of minimum 2 mm prior to being			1 1 2					
	brought into service 11.652m in diametellife of 40	ter and 2.9	DIMENSIO	NS: The dim DESIGN LII	ensions of th FE: The tank	ne Tank sh as shall ha	nall be of ve a design		
	years. TANK CONNECT	ΓΙΟΝS: S	tandard desig	gn valve outl	et connection	n : i) suita	ble size CI		
	Flanged valve ii) Overflow conne maximize	ection incl	luding an Int	ernal approve	ed bell-mout	h shaped	bends to		
	the overflow capac of the	city. One	no. 100 mm,	iii) One (1) s	scour drain o	outlet from	the floor		
	tank with isolation purposedesigned	valve. O	ne No. 100m	m.TANK LI	NERS:Tank	liners sha	ll be		
	and manufactured ANSI/NSF 61 - 20								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
51 NO	furnished by the manufactured to or construction, fabri to (ANSI/ NSF 61) a construction for strength, reinforenhance	nanufactur ne piece cated from	rer of the tand n multi-layer	ks. Tank line PE sheet, ce	ertified for portion	e factory otable drin ene) in mu	nking water, lti-layer		
	tensile strength. The total liner material thickness shall be no less than 0.6 mm thick. The tensile strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing strength of 2056 N v) All the liner welded lap joints shall be strengthened with Metallocene encapsulating tape welded over the overlap. vi) The Metallocene tape shall cover and protect the exposed								
	material at the edges of the liner joints to further prevent the ingress of water into the scrim. vii) Liners shall be positively and continuously attached to the top outer edge of the circumference of the tank to prevent entry of water from the runoff from the roof structure. viii) All liners on tanks over 2m in height shall have a continuous intermediate liner support designed out of nylon								
	(or other material)cord, around the circumference of the tank, at vertical intervals corresponding to the level of each ring. ix) The intermediate liner support cords shall be firmly secured to the steel shell at each level, to prevent stress on the liner welded joints, and thereby eliminate possibility of failure CORROSSION PROTECTION. The tank structure shall have a secondary corrosion protection system using sacrificial magnesium anodes. The number of								
	anodes, their location around the tank and the mass of each anode shall be designed for anode replacement frequency of five years. The anodes shall be installed external to the tank and concrete apron with their location marked with a suitably label-Cost for Tank steel with 10years guarantee includes shel l,Steel wall,steel domed roof,Zinc Alum steel&39;,Cost for Poly ethylene infinity								
	liner, Geo synthetic Fibre with food grade plastics are used for inside coating and Support Arrangements, Cost for Fabricated items, attachments and accessories like steel ladder, Cost of Fabricated nozzles, over flow nozzles and drain arrangements, Cost for HDG nut and bolts, Freight Charges, Erection Installation and commissioning of tank components. Steel Tank								
		29000 0.0000 0					290000.0 00		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						290000.0 00			
				To	tal Quantity	in Litre	290000.0 00			
5.009	OD167306/2023-2	2024								
	Dowel bars - Supp (1m in rock and 1r gap with cement g	n in conci	rete) includir							
	Dowel bars 16mm	n dia								
		90.000					90.000			
	Total						90.000			
				,	Total Quant	ity in no	90.000			
6	Construction of 4	LL Sump	cum Pump h	ouse at Poop	para					
6.001	2.31	31								
	saplings of girth u	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and aplings of girth up to 30 cm measured at a height of 1 m above ground level and emoval of rubbish up to a distance of 50 m outside the periphery of the area cleared								
	Cleaning jungle									
		1.0000	16.000	10.000	ANAGEMENT		160.000			
	Total		OF PUBLIC	WURRS			160.000			
				To	otal Quantit	y in sqm	160.000			
6.002	2.8.1									
	Earth work in exca in foundation trend including dressing out the excavated of 50 m.All kinds	ches or dra of sides a soil and d	ains (not exc and ramming	eeding 1.5 m of bottoms,	in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting			
	Earth work									
	For levelling sump	1.0000 0	15.100	9.100	0.400	0.2500 00	13.741			
	Compound wall	1.0000 0	49.000	0.300	0.300	0.2500 00	1.103			
	Total						14.844			
	Total Quantity in cum 14.844									
6.003	2.7.3									
	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. Hard rock (blasting prohibited)									
	Excavation									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	for levelling sump	1.0000	9.100	15.100	0.400	0.7500 00	41.223			
	Compound wall	1.0000	49.000	0.300	0.300	0.7500 00	3.308			
	Total						44.531			
				To	tal Quantity	y in cum	44.531			
6.004	OD167312/2023-2	2024								
	:DOWEL BARS_ Supplying and providing MS dowel bars of size 16 mm dia, 200 cm long including drilling holes of 20 mm dia to a depth of 100 cm in rock and filling the gap with cement grout (0.100kg/hole) etc complete									
	Dowel bar			1		<u> </u>				
		200.00		. 6			200.000			
	Total						200.000			
					Total Quant	ity in no	200.000			
6.005	4.1.3			The state of the s						
	Providing and layi of centering and sl (zone-III) : 4 grade	nuttering - ed stone ag	All work up ggregate 20 r	to plinth leven nominal	el:1:2:4 (cen	de excludi nent : 2 co	ng the cost parse sand			
	PCC upto plin		OF PUBLIC V	NORKS						
	Sump	1.0000	15.100	9.100	0.150		20.612			
	Footing PCC	8.0000	1.300	1.300	0.100		1.352			
	compound wall	1.0000	49.000	0.300	0.100		1.470			
	Deduction for Footing	8.0000	1.300	1.300	0.150		-2.028			
	Total						21.406			
				To	tal Quantity	y in cum	21.406			
6.006	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									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Base slab	1.0000	14.500	8.500	0.250		30.813
	Foundation	8.0000	1.200	1.200	1.200		13.824
	compound wall plinth beam	1.0000	49.000	0.300	0.300		4.410
	Deduction- footing	8.0000 0	1.200	1.200	0.250		-2.880
	Total						46.167
				To	tal Quantity	y in cum	46.167
6.007	5.33.2						
	25 grade cement consists as per approved de excluding the cost admixtures in reconscrete, improve direction of Engine 330 kg/ cum. Exceseparately.All wor	esign mix, of centeri mmended workabili eer - in-ch ess or less	including puting, shuttering proportions ty without in large. Note:-cement used	imping of cog, finishing as per IS: 91 apairing streated Cement contage per designation	ncrete to site and reinforce 03 to accelength and dur- tent consider and mix is paya	of laying ment, inc rate, retar ability as ed in this	g but luding d setting of per item is @
		olinth leve					
	Side wall	1.0000	45.000	0.250	3.750		42.188
	Haunch	1.0000	44.000	0.700	0.400	0.5000 00	6.160
	Haunch vertical	4.0000 0	0.500	0.500	3.750	$0.5000 \\ 00$	1.875
	Cover slab of sump	1.0000	15.100	9.100	0.150		20.612
	Cover slab of sump (floor of PH)	1.0000	6.300	3.300	0.050		1.040
	Beam under roof slab- Long beam	2.0000	14.500	0.300	0.330		2.871
	Beam under roof slab- Short beam	4.0000 0	7.400	0.300	0.330		2.930
	Column inside sump	8.0000	3.670	0.300	0.300		2.642
	Roof slab of PH	1.0000	6.700	3.700	0.120		2.975
	Shade for pump house	1.0000	21.600	0.600	0.075		0.972
	Lintel	1.0000	15.700	0.200	0.150		0.471

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	PH Beam under roof slab	7.0000	2.700	0.300	0.200		1.134
	Column PH	6.0000	0.300	0.300	2.800		1.512
	Deduction- Manhole cover	8.0000	0.455	0.610	0.200		-0.44
	Total			•			86.93
				To	tal Quantity	y in cum	86.93
6.008	5.34.1						
	specified cement of grade concrete ins in M-30 is @ 340 Extra for ric	tead of Makes/cum).	-25 grade BM 44.637+8	MC/RMC. (N	ote:- Cemen	t content	considered
		0	6.938				
	Total		- Silver	The barren			131.57
					4 1 0 4 4	•	
6.009	22.23.1 Providing and app			ne slurry of h		n nature fo	or
6.009		ge deck etce slurry: 2 e slurry: 1 ye (internativements nerete by astant to 10 able of sel t all comp	he RCC structums, reservice., prepared by parts water) part water) for side with the sas specified is more than 90% bar hydrost. If-healing of specified as per	ne slurry of hetures like report, sewage & by mixing in for vertical sfor horizonta he help of syin ACI-212-30% compared atic pressure cracks up to be decification and arry guarante	tydrophilic in taining walls amp; water the ratio of 5 surfaces and I surfaces and thetic fiber BR-2010 i.e. but with contro on negative a width of 0 and the direct of the for 10 year	n nature for soft the bastreatment is: 2 (5 pa 3: 1 (3 pa d applyin brush. The py reducired concrete side. The side. The side of the side	rts arts g the ne material g as per crystalline he work
6.009	Providing and app waterproofing trea water tanks, roof s tunnels / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremeability of co DIN 1048 and resistantly shall be capshall be carried out engineerincharge. The produ	ge deck etce slurry: 2 e slurry: 1 ve (internativements nerete by istant to 10 able of selt all compatible com	he RCC structums, reservice., prepared by parts water) part water) for side with the sas specified is more than 90% bar hydrost. If-healing of specified as per	ne slurry of hetures like report, sewage & by mixing in for vertical sfor horizonta he help of syin ACI-212-30% compared atic pressure cracks up to be decification and arry guarante	tydrophilic in taining walls amp; water the ratio of 5 surfaces and I surfaces and thetic fiber BR-2010 i.e. but with contro on negative a width of 0 and the direct of the for 10 year	n nature for soft the bastreatment is: 2 (5 pa 3: 1 (3 pa d applyin brush. The py reducired concrete side. The side. The side of the side	or sement, plant, rts arts g the material g e as per crystalline he work
6.009	Providing and app waterproofing trea water tanks, roof s tunnels / subway and bridg integral crystalline integral crystalline same from negative shall meet the requipermeability of co DIN 1048 and resis slurry shall be cap shall be carried out engineerincharge. The produte leakage. For vertical	the timent to to the labs, poding edeck etce slurry: 2 edeck etce slurry: 1 edeck etce slurry	he RCC structums, reservice., prepared by parts water) part water) for side with the sas specified is more than 90% bar hydrost. If-healing of specified as per	ne slurry of hetures like report, sewage & by mixing in for vertical sfor horizonta he help of syin ACI-212-30% compared atic pressure cracks up to be decification and arry guarante	tydrophilic in taining walls amp; water the ratio of 5 surfaces and I surfaces and thetic fiber BR-2010 i.e. but with contro on negative a width of 0 and the direct of the for 10 year	n nature for soft the bastreatment is: 2 (5 pa 3: 1 (3 pa d applyin brush. The py reducired concrete side. The side. The side of the side	or sement, plant, rts arts g the ne material g as per crystalline he work
6.009	Providing and app waterproofing trea water tanks, roof s tunnels / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremeability of co DIN 1048 and resist slurry shall be cap shall be carried out engineerincharge. The produte leakage. For vertical surface	ge deck etce slurry: 2 e slurry: 1 re (interna irements ncrete by istant to 10 able of selt all comport performal surface	he RCC structums, reservice., prepared by parts water) part water) fully side with the subject of the part water of the	ne slurry of hetures like report, sewage & by mixing in for vertical sfor horizonta he help of syin ACI-212-30% compared atic pressure cracks up to be decification and arry guarante	ydrophilic in taining walls amp; water to the ratio of 5 surfaces and I surfaces and I surfaces and thetic fiber BR-2010 i.e to I with contro on negative a width of 0, and the direct	n nature for soft the bastreatment is: 2 (5 pa 3: 1 (3 pa d applyin brush. The py reducired concrete side. The side. The side of the side	or sement, plant, rts arts g the material g e as per crystalline he work
6.009	Providing and app waterproofing trea water tanks, roof stunnels / subway and bridgintegral crystalline integral crystalline same from negative shall meet the requipermeability of co DIN 1048 and resistancy shall be carried out engineerincharge. The produte leakage. For vertical vertical surface Side wall column inside	timent to tallabs, podilibs, podilib	he RCC structums, reservice., prepared by parts water) part water) part water) fill side with the as specified in more than 90 between the as per specified as	ne slurry of hetures like report, sewage & by mixing in for vertical sfor horizonta he help of syin ACI-212-30% compared atic pressure cracks up to be decification and arry guarante	the ratio of 5 surfaces and l surfaces and l surfaces and l surfaces and l surfaces and the contro on negative a width of 0 and the direct e for 10 year qm	n nature for soft the bastreatment is: 2 (5 pa 3: 1 (3 pa d applyin brush. The py reducired concrete side. The side. The side of the side	or sement, plant, rts arts g the ne material of experience as per crystalline he work any

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & Discourse and 3 in the ratio of 5 in 2 (5 parts integral crystalline slurry in 2 parts water) for vertical surfaces and 3 in 1 (3 parts integral crystalline slurry in 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any								
	leakage.For horizo					rs against	any		
	Horizontal surface	; 		1.00					
	base slab	1.0000	14.500	8.500			123.250		
	Total		(1)				123.250		
				To	otal Quantit	y in sqm	123.250		
6.011	5.9.1								
	Centering and shut footings, bases of	ttering inc	luding strutt etc for mass	ing, etc. and concrete	removal of f	orm for:F	oundations,		
	Form work Base s	slab	-						
	Base slab for sump	1.0000	46.000		0.250		11.500		
	Column Foundation	8.0000 0	4.800		1.200		46.080		
	Total						57.580		
				To	otal Quantit	y in sqm	57.580		
6.012	5.9.2								
	Centering and shutthickness) including								
	Form work	Sump- wa	all, pump ho	use,Compour	nd wall				
	Sump- wall outside	1.0000	46.000		4.000		184.000		
	Sump- wall inside	1.0000	44.000		4.000		176.000		
	Lintel	2.0000	15.700		0.150		4.710		
	Compound wall	2.0000	49.000		0.300		29.400		
	Total						394.110		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
				To	otal Quantit	y in sqm	394.110		
6.013	5.9.3								
	Centering and shut floors, roofs, landing				removal of f	orm for:S	uspended		
	Form work								
	Cover slab of sump	1.0000	15.100	9.100			137.410		
	deduction for wall	1.0000	45.000	0.250			-11.250		
	Side of cover slab	1.0000	48.400		0.120		5.808		
	Cover slab- PH	1.0000	6.700	3.700			24.790		
	Side of cover slab- PH	1.0000	20.800	0.120			2.496		
	deduction for wall PH	1.0000	18.400	0.200			-3.680		
	Long beam Sump	2.0000	14.000	1.300	ᆫ		36.400		
	Short beam Sump	4.0000 0	7.400	1.200	ANAGEMENT		35.520		
	Column sump	8.0000	1.200		3.250		31.200		
	Column PH	6.0000	1.200		2.700		19.440		
	Beam PH	6.0000	2.700		0.600		9.720		
	Beam PH	1.0000	2.700		0.800		2.160		
	sunshade	1.0000	21.600		0.600		12.960		
	sunshade side	1.0000	21.600		0.075		1.620		
	haunch	1.0000	44.000		0.800		35.200		
	Total						339.794		
				To	otal Quantit	y in sqm	339.794		
6.014	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								
	Reinforcement	@120kg	/cum						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Sump	131.57 500				120.00 0000	15789.00 0
	Compound wall	4.4100 0				20.000 000	88.200
	Total						15877.20 0
				Total Q	Quantity in k	kilogram	15877.20 0
6.015	50.6.1.2						
	Solid block mason or nearest availabl floor two level this complete.	e size con ekness 20d	firming to IS	2185 part I	of 1979 for s	super struc	cture up to
	Solid block mas			I			
	wall PH	1.0000	18.400	0.200	2.700		9.936
	Deduction- RS	1.0000	2.400	0.200	2.700		-1.296
	Deduction- Window	5.0000	1.500	0.200	1.500		-2.250
	Deduction for column width	6.0000	0.300	0.200	2.700		-0.972
	Total						5.418
				To	tal Quantit	y in cum	5.418
6.016	50.6.1.8						
	Solid block mason or nearest availabl floor two level wit complete	e size con	firming to IS	2185 part I	of 1979 for s	super struc	cture up to
	Compound wall a	nd parape	t wall				
	Compound wall	1.0000	49.000	0.200	1.500		14.700
	Parapet	1.0000	20.000	0.150	0.600		1.800
	Total						16.500
				To	tal Quantit	y in cum	16.500
6.017	13.7.1						
	12 mm cement pla cement : 3 fine sar		ed with a flo	ating coat of	neat cement	of mix:1	:3 (1
	Plastering						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		1.0000					1.000
	Base slab for sump	1.0000	46.000		0.250		11.500
	Sump- wall outside	1.0000	46.000		3.750		172.500
	Sump- wall inside	1.0000 0	44.000		3.750		165.000
	Cover slab of sump top	1.0000	15.100	9.100			137.410
	deduction for wall	1.0000	45.000	0.250			-11.250
	Side of cover slab	1.0000	48.400		0.120		5.808
	Cover slab- PH top	1.0000	6.700	3.700			24.790
	Side of cover slab- PH	1.0000	20.800	0.120			2.496
	deduction for wall PH	1.0000	18.400	0.200	ΞE		-3.680
	Column sump	8.0000	1.200	M FOR THE M WORKS	3.250		31.200
	Column PH	6.0000	1.200		2.700		19.440
	sunshade top	1.0000	21.600		0.600		12.960
	sunshade side	1.0000	21.600		0.075		1.620
	wall PH	$2.0000 \\ 0$	18.400		2.700		99.360
	Compound wall	1.0000	49.000		3.200		156.800
	Parapet	$2.0000 \\ 0$	20.000		0.600		24.000
	haunch	1.0000	44.000		0.800		35.200
	Total						886.154
	Deduction Plaste	ring					
	Rolling shutter	2.0000	2.400		2.700		-12.960

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Window	10.000 00	1.500		1.500		-22.500
	Manhole cover	8.0000 0	0.455	0.610			-2.220
	Total						-37.680
				To	otal Quantit	y in sqm	848.474
6.018	13.16.1						
	6 mm cement plast	ter of mix	:1:3 (1 ceme	ent : 3 fine sa	nd)		
	6mm cement plas	ter					
	Cover slab of sump bottom	1.0000	15.100	9.100			137.410
	deduction for wall	1.0000	45.000	0.250			-11.250
	Cover slab- PH bottom	1.0000	6.700	3.700			24.790
	deduction for wall PH	1.0000	18.400	0.200	ΞE		-3.680
	Long beam Sump	2.0000	14.000	1.300	ANAGEMENT		36.400
	Short beam Sump	4.0000 0	7.400	1.200			35.520
	Beam PH	6.0000 0	2.700		0.600		9.720
	Beam PH	1.0000	2.700		0.800		2.160
	sunshade bottom	1.0000	21.600		0.600		12.960
	Total						244.030
				To	otal Quantit	y in sqm	244.030
6.019	13.47.1						
	Finishing walls wi required shade:Ne- including priming	w work (7	wo or more	coats applied	d @ 1.43 ltr/	10 sqm o	
	Painting						
	Rolling shutter	2.0000	2.400		2.700	_	-12.960
	Window	10.000	1.500		1.500		-22.500

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Manhole cover	8.0000	0.455	0.610			-2.220
	Base slab for sump	1.0000	46.000		0.250		11.500
	Sump- wall outside	1.0000 0	46.000		3.750		172.500
	deduction for wall	1.0000	45.000	0.250			-11.250
	Side of cover slab	1.0000	48.400		0.120		5.808
	Side of cover slab- PH	1.0000 0	20.800	0.120			2.496
	deduction for wall PH	1.0000	18.400	0.200			-3.680
	Column PH	6.0000 0	1.200	9411	2.700		19.440
	sunshade top	1.0000	21.600	3-10	0.600		12.960
	sunshade side	1.0000	21.600	M FOR THE M	0.075		1.620
	wall PH	2.0000	18.400	WORKS	2.700		99.360
	Compound wall	2.0000	49.000		1.500		147.000
	Parapet	2.0000	20.000		0.450		18.000
	deduction for wall	1.0000	45.000	0.250			-11.250
	Cover slab- PH bottom	1.0000	6.700	3.700			24.790
	deduction for wall PH	1.0000	18.400	0.200			-3.680
	Beam PH	6.0000	2.700		0.600		9.720
	Beam PH	1.0000	2.700		0.800		2.160
	sunshade bottom	1.0000	21.600		0.600		12.960
	Total						472.774
				To	otal Quantity	in sqm	472.774

Sl No	Specification	No	Length	Width	Depth Cf	Quantity
6.020	13.44.1					
	Finishing walls wir or more coats appl				equired shade:New	work (Two
	water proofing c	ement pai	nt			
	Sump- wall inside	1.0000	44.000		3.350	147.400
	Long beam Sump	2.0000	14.000	1.300		36.400
	Short beam Sump	4.0000 0	7.400	1.200		35.520
	Column sump	8.0000	1.200		3.250	31.200
	haunch	1.0000	44.000		0.800	35.200
	Total		.0	n .		285.720
			- 683	To	tal Quantity in sqr	n 285.720
6.021	13.71		(41)	\$3[JB]		
	Lettering with blac	k Japan p	int of approv	ed brand and	l manufacture	
	Lettering		1			
		100.00	e-PLATFORM	A FOR THE MA	ANAGEMENT	100.000
	Total		OF PUBLIC V	VORKS		100.000
			Total Quan	tity in per I	etter per cm heigh	100.000
6.022	10.25.2					
	in position and app	nd 14 as ito in built u plying a pr	em 14.74 p sections/fra iming coat o	med work, i f approved s	ncluding cutting, ho teel primer using str railings, brackets, g	uctural steel
	For Ladder,gat	e and han	d rail			
		950.00 000				950.000
	Total					950.000
				7	Total Quantity in k	g 950.000
6.023	100.41.34					
	Supplying and fixi (low duty) charges				455mm x 610mm vetc., complete.	vith frame
	Man hole cover		Т		1	
		8.0000				8.000
	Total					8.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				-	Total Quant	ity in no	8.000
6.024	9.48.2						
	Providing and fixing M.S. flats, square all complete. Fixed	or round b	oars etc. inclu	ıding primin	g coat with a	pproved s	etc. with teel primer
	M.S Grill						
		150.00 000					150.000
	Total						150.000
				ı	Total Quant	ity in kg	150.000
6.025	10.6.1						
	laths, interlocked t end locks, mounter arrangements for including the cost	d on speci nside and of providi	ially designe outside lock ing and fixin	d pipe shaft ing with pus g necessary 2	with brackets h and pull op 27.5 cm long	s, side guid peration co wire sprii	des and omplete, ngs
	end locks, mounted arrangements for i	d on speci nside and of providi n high ten op cover o	ially designe outside lock ing and fixin sile steel wir of required the cover	d pipe shaft ing with pus g necessary are of adequatinickness for a	with brackets h and pull op 27.5 cm long e strength co- colling shutte	s, side guid peration co wire sprin nforming	des and omplete, ngs to IS: 4454 5 mm M.S.
	end locks, mounter arrangements for it including the cost manufactured from - part 1 and M.S. to laths with 1.25 mm Rolling shutter	d on speci nside and of providi n high ten op cover on thick top	ially designe outside lock ing and fixin sile steel wir of required th	d pipe shaft ving with pus g necessary 2 e of adequatickness for a	with brackets h and pull op 27.5 cm long e strength co- colling shutte	s, side guid peration co wire sprin nforming	des and omplete, ngs to IS: 4454 5 mm M.S.
	end locks, mounter arrangements for it including the cost manufactured from part 1 and M.S. to laths with 1.25 mm	d on speci nside and of providi n high ten op cover on thick top	ially designe outside lock ing and fixin sile steel wir of required the cover	d pipe shaft ving with pus g necessary 2 e of adequatickness for a	with brackets h and pull op 27.5 cm long e strength cor colling shutte	s, side guid peration co wire sprin nforming rs.80x1.2:	des and omplete, ngs to IS: 4454 5 mm M.S. 6.480
6.026	end locks, mounter arrangements for it including the cost manufactured from part 1 and M.S. to laths with 1.25 mm. Rolling shutter Total	d on specinside and of providing high ten op cover on thick top	ially designe outside lock ing and fixin sile steel wir of required the cover	d pipe shaft ving with pus g necessary 2 e of adequatickness for a	with brackets h and pull op 27.5 cm long e strength co- colling shutte	s, side guid peration co wire sprin nforming rs.80x1.2:	des and omplete, ngs to IS: 4454 5 mm M.S.
6.026	end locks, mounter arrangements for it including the cost manufactured from part 1 and M.S. to laths with 1.25 mm. Rolling shutter Total	d on specinside and of providing high ten op cover on thick top 1.0000 0	ially designe outside lock ing and fixin sile steel wir of required the cover 2.400	d pipe shaft ving with pus g necessary 2 e of adequatrickness for many the control of the contro	with brackets h and pull op 27.5 cm long e strength cor colling shutte 2.700	y in sqm	des and omplete, ngs to IS: 4454 5 mm M.S. 6.480 6.480
6.026	end locks, mounter arrangements for it including the cost manufactured from part 1 and M.S. to laths with 1.25 mm. Rolling shutter Total OD167313/2023-2 :Providing suitable per the	d on specinside and of providing high ten op cover on thick top 1.0000 0	ially designe outside lock ing and fixin sile steel wir of required the cover 2.400	d pipe shaft ving with pus g necessary 2 e of adequatrickness for many transfer of the control o	with brackets h and pull op 27.5 cm long e strength cor colling shutte 2.700	y in sqm	des and omplete, ngs to IS: 4454 5 mm M.S. 6.480 6.480
6.026	end locks, mounter arrangements for it including the cost manufactured from - part 1 and M.S. to laths with 1.25 mm Rolling shutter Total OD167313/2023-2 :Providing suitable per the direction of depart	d on specinside and of providing high ten op cover on thick top 1.0000 0	ially designe outside lock ing and fixin sile steel wir of required the cover 2.400	d pipe shaft ving with pus g necessary 2 e of adequatrickness for many transfer of the control o	with brackets h and pull op 27.5 cm long e strength cor colling shutte 2.700	y in sqm	des and omplete, ngs to IS: 4454 5 mm M.S. 6.480 6.480
6.026	end locks, mounter arrangements for it including the cost manufactured from - part 1 and M.S. to laths with 1.25 mm Rolling shutter Total OD167313/2023-2 :Providing suitable per the direction of depart	d on specinside and of providing high ten op cover on thick top 1.0000 0	ially designe outside lock ing and fixin sile steel wir of required the cover 2.400	d pipe shaft ving with pus g necessary 2 e of adequatrickness for many transfer of the control o	with brackets h and pull op 27.5 cm long e strength cor colling shutte 2.700	y in sqm	des and omplete, ngs to IS: 4454 5 mm M.S. 6.480 6.480 cowls as
6.026	end locks, mounter arrangements for it including the cost manufactured from - part 1 and M.S. to laths with 1.25 mm Rolling shutter Total OD167313/2023-2 :Providing suitable per the direction of depart Vent cowl	d on specinside and of providing high ten op cover on thick top 1.0000 0	ially designe outside lock ing and fixin sile steel wir of required the cover 2.400	d pipe shaft ving with pus g necessary 2 e of adequatrickness for many december of the control o	with brackets h and pull op 27.5 cm long e strength cor colling shutte 2.700	y in sqm	des and omplete, ngs to IS: 4454 5 mm M.S. 6.480 6.480 6.480 2.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and fixing with extruded buil sections of approved fasteners of requirements i.e. at top, bottom. Aluminium section mechanically when glazing /paneling, drawings and the confasteners to be paid For fixed portion micron).	t up stand ed make c ed dia and and sides as shall be rever requ C.P. brass directions d for sepa	ard tubular s conforming to I size, includ with required s smooth, rus ired includir s/ stainless st of Engineer- rately):	ections/ appropriate in the section of the section	ropriate Z sec d IS: 1285, f y filling up the ber/ neoprenent, mitred and e, Aluminniu all complete a dazing, panel	ctions and ixing with the gaps at e gasket ed jointed m snap be as per archling and d	other dash junctions, tc. eading for nitectural ash
	Aluminium works	1.0000	12.000				12.000
	Total	U					12.000
	1000		A	W\	Total Quant	ity in kg	12.000
6.028	21.1.2.2		a Ki	3/41)			
	of EPDM rubber/separately)Powder micron) Aluminium for shu	coated al	uminium (m	<mark>ini</mark> mum thicl	kness of pow	der coatin	12.000
	Total						12.000
					Total Quant	ity in kg	12.000
6.029	Providing and fixing partitions etc. with architectural drawn aluminium snap be thickness Glass for shutter	EPDM ruings and t	ubber / neopi he directions	ene gasket e of Engineer	tc. complete - in -Charge	as per the . (Cost of ass panes	of 4.0 mm 6.750
	Total						6.750
				To	otal Quantit	y in sqm	6.750
6.030	Providing and fixing aluminium window minimum thickness Fastners for window	ws with ness 50 micr	ecessary nece	essary screws			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		10.000					10.000
	Total	00					10.000
	10001				Total Quant	tity in no	10.000
6.031	18.26.1					<i>y</i> ₁	
	Providing and layi caps etc., suitable						lars, tapers,
	Providing and layi			•			
	250mm wall casting pipes for inlet, overflow etc	2.0000	·			0.4700	0.940
	100mm wall casting pipes for outlet,scour etc	2.0000				0.2000	0.400
	Total			la/\			1.340
			a ik	Tota	l Quantity i	n quintal	1.340
6.032	100.36.1						
	height not less tha and other applienc Filling water	400.00		c. complete.	np set, nire	for tanker	400.000
		000					
	Total			TD 4 14			400.000
6.022	OD 1 6701 4 2000 6	2024		Total (Quantity in 1	Kilo litre	400.000
	OD167314/2023-2 Supplying and pro 2mm thi 160mm PVC pipe thread for connect Level indicator	viding wa ck MS pla for guidir ing float a	ate with in th ng the float,&	e frame wor alt;br>ned	k of suitable cessary pullie	size MS s es, suitable	quare tube,
		1.0000					1.000
	Total						1.000
				To	otal Quantity	y in each	1.000
7	Construction of 0.4	4LL Sumլ	cum Pump	house at Era	chilpara		
7.001	2.31						
	Clearing jungle inc saplings of girth ur removal of rubbish	p to 30 cm	n measured a	t a height of	1 m above g	round leve	el and
	Cleaning jungle						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Tank & Pump house	1.0000	10.000	8.000			80.000		
	Total	<u> </u>	I.	L			80.000		
				To	otal Quantit	y in sqm	80.000		
7.002	2.8.1				-				
	Earth work in exca in foundation trend including dressing out the excavated of 50 m.All kinds	ches or dra of sides a soil and di	nins (not exce nd ramming	eeding 1.5 m of bottoms,	in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting		
	Earth work								
	For levelling- Sump	1.0000	8.000	10.000	0.400		32.000		
	For compound wall	1.0000	40.000	0.300	0.300		3.600		
	For water tank	1.0000	7.100	5.100	0.150		5.432		
	Footing for pcc	1.0000	1.300	1.300	0.350		0.592		
	Total			<i></i>			41.624		
				To	tal Quantit	y in cum	41.624		
7.003	Earth work in exca over areas (exceed including disposal earth to be levelled	ing 30 cm of excava	in depth, 1.5 ted earth, lea	means (Hydro 5 m in width and up to 50 m	as well as 10 and lift up	o sqm on to 1.5 m, o	plan)		
	Levelling		,	,		,			
	for levelling sump	1.0000	6.000	4.000	0.500		12.000		
	For Footing	1.0000	1.300	1.300	0.950		1.606		
	Total						13.606		
				To	tal Quantit	y in cum	13.606		
7.004	OD167307/2023-2	2024							
	:DOWEL BARS_ Supplying and providing MS dowel bars of size 16 mm dia, 200 cm long including drilling holes of 20 mm dia to a depth of 100 cm in rock and filling the gap with cement grout (0.100kg/hole) etc complete								
	Dowel bar	Г	Т	Т					
		80.000					80.000		
	Total						80.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				ŗ	Fotal Quant	ity in no	80.000			
7.005	4.1.3									
	Providing and layi of centering and sl (zone-III): 4 grade	nuttering -	All work up	to plinth lev	el:1:2:4 (cen					
	PCC									
	For water tank 1.0000 7.100 5.100 0.150									
	Footing for pcc 1.0000 1.300 1.300 0.100									
	Compound wall 1.0000 40.000 0.300 0.100									
	Deduction for footing	1.0000	1.300	1.300	0.100		-0.169			
	Total		6				6.632			
				To	tal Quantity	y in cum	6.632			
7.006	7.1.1		- outil	THE PARTY OF						
	Random rubble ma up with cement co 20 mm nominal si sand)	ncrete 1:6	:12 (1 cemer	nt : 6 coarse s	sand : 12 gra	ded stone	aggregate			
	RR masonry					-				
	sump basement	1.0000	6.700	4.700	0.700		22.043			
	compound wall	1.0000	40.000	0.300	0.400		4.800			
	deduction for column	1.0000	1.200	1.200	0.700		-1.008			
	Total						25.835			
				To	tal Quantity	y in cum	25.835			
7.007	5.33.1									
	Providing and layi 25 grade cement c as per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	oncrete for esign mix, of centering mmended workabilitieer - in-chess or less	r reinforced including pung, shuttering proportions ty without in arge. Note:-cement used	cement concumping of cog, finishing as per IS: 91 as per Is strenger in the confidence of the confiden	rete work, us ncrete to site and reinforce 03 to accelerate and duratent consider	of laying ment, inc rate, retar- ability as ed in this	nt content g but luding d setting of per item is @			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Water tank Base slab	1.0000	6.500	4.500	0.200		5.85
	Water tank Footing	1.0000	1.200	1.200	1.200		1.72
	compound wall	1.0000	40.000	0.200	0.200		1.60
	Total						9.17
				To	tal Quantity	y in cum	9.17
7.008	5.33.2						
	25 grade cement cas per approved de excluding the cost admixtures in recoconcrete, improve direction of Engine 330 kg/ cum. Exceseparately.All wor	esign mix, of centeri mmended workabili eer - in-ch ess or less	including pung, shuttering proportions ty without in large. Note:-cement used	amping of cog, finishing a as per IS: 91 as pairing street Cement contast per desig	ncrete to site and reinforce 03 to accelerate and dura tent consider n mix is paya	e of laying ement, incomment, rate, retar ability as ed in this	g but luding d setting o per item is @
	RCC M-2	5 Above	olinth level	AND STATES			
	tank Side wall	1.0000	21.000	0.250	2.500		13.12
	Haunch	1.0000	20.000	0.700	0.400	0.5000 00	2.80
	Column tank	1.0000	0.300	0.300	2.400		0.21
	Cover slab of sump	1.0000	6.900	4.900	0.200		6.76
	long Beam tank	1.0000	6.000	0.250	0.250		0.37
	short Beam tank	1.0000	3.700	0.250	0.250		0.23
	Cover slab of PH	1.0000	4.900	3.780	0.120		2.22
	Lintel	1.0000	14.960	0.200	0.100		0.29
	Beam PH	1.0000	2.980	0.250	0.130		0.09
	Deduction- Manhole cover	4.0000	0.455	0.610	0.200		-0.22
	1	_	0.455	0.610	0.200		-0.22 25.90

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Extra for providing specified cement c grade concrete inst in M-30 is @ 340	ontent use tead of M-	d is payable/	recoverable	separately.F	Providing	M-30	
	Richer mixe							
	tank Side wall	1.0000	21.000	0.250	2.500		13.125	
	Haunch	1.0000	20.000	0.700	0.400	0.5000	2.800	
	Column tank	1.0000	0.300	0.300	2.400		0.216	
	Cover slab of sump	1.0000	6.900	4.900	0.200		6.762	
	Base slab	1.0000	6.500	4.500	0.200		5.850	
	long Beam tank	1.0000	6.000	0.250	0.250		0.375	
	short Beam tank	1.0000	3.700	0.250	0.250		0.231	
	Cover slab of PH	1.0000	4.900	3.780	0.120		2.223	
	Lintel	1.0000	14.960	0.200	0.100		0.299	
	Beam PH	1.0000	2.980	0.250	0.130		0.097	
	Deduction- Manhole cover	4.0000	0.455	0.610	0.200		-0.222	
	Total						31.756	
				Tot	tal Quantity	y in cum	31.756	
7.010	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement water tanks, roof slabs, podiums, reservior, sewage & Discourse and Structures and Structures like retaining walls of the basement water tanks, roof slabs, podiums, reservior, sewage & Discourse and Structures and Structures like retaining walls of the basement water tanks, roof slabs, podiums, reservior, sewage & Discourse and Structures like retaining walls of the basement water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5:2 (5 parts integral crystalline slurry: 2 parts water) for vertical surfaces and 3:1 (3 parts integral crystalline slurry: 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The mate shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystal slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @0.70 kg per sqm							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Integral crystallin	e slurry						
	tank Side wall	1.0000	21.000		2.500		52.500	
	Column tank	1.0000	1.200		2.200		2.640	
	Total						55.140	
				To	otal Quantit	y in sqm	55.140	
7.011	22.23.2							
	waterproofing treatment to the RCC structures like retaining walls of the baser water tanks, roof slabs, podiums, reservior, sewage & Discourse and 3 to 1 (3 parts integral crystalline slurry: 2 parts water) for vertical surfaces and 3:1 (3 parts integral crystalline slurry: 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The reshall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The cryslurry shall be capable of self-healing of cracks up to a width of 0.50mm. The shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any							
	leakage.For horizo		ce one cour	21.10 kg pc1	. sqiii.			
	Water tank Base slab	1.0000	6.500	4.500	0.200		5.850	
	Total						5.850	
				To	otal Quantit	y in sqm	5.850	
7.012	50.6.1.2					•		
	Solid block mason or nearest availabl floor two level this complete.	e size con	firming to IS	2185 part I	of 1979 for s	uper struc	cture up to	
	Brick masonry		1	1				
	Long wall $\begin{vmatrix} 2.0000 \\ 0 \end{vmatrix}$ 4.500 0.200 3.000							
	Short wall	2.0000	2.980	0.200	3.000		3.576	
	Deduction- Rolling shutter	1.0000	2.400	0.200	2.700		-1.296	
	Deduction-	_						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Deduction of lintel	1.0000	14.960	0.200	0.150		-0.449		
	Total						5.881		
				To	tal Quantity	y in cum	5.881		
7.013	50.6.1.8								
	Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x1 or nearest available size confirming to IS 2185 part I of 1979 for super structure floor two level with thickness 15cm in: CM 1:6 (1 cement : 6 coarse sand etc complete								
	Compound wall a	ınd parape	et wall						
	Compound wall	1.0000 0	40.000	0.150	1.500		9.000		
	Parapet wall	1.0000 0	15.600	0.150	0.750		1.755		
	Total		- 68				10.755		
			(AL)	To	tal Quantity	y in cum	10.755		
7.014	5.9.1			Charles .					
	Centering and shut footings, bases of c				removal of f	orm for:F	oundations,		
	Form work		e-PLATFOR	M FOR THE M	ANAGEMENT				
	Base slab for tank	1.0000	21.000	VV-07-0-1	0.200		4.200		
	column Foundation	1.0000	4.800		1.200		5.760		
	Compound wall	2.0000	40.000		0.200		16.000		
	Total						25.960		
				To	tal Quantit	y in sqm	25.960		
7.015	5.9.2								
	Centering and shut thickness) including								
	Centering and S					ı			
	Tank- side wall outside	1.0000	22.000		2.500		55.000		
	Tank-side wall inside	1.0000	20.000		2.500		50.000		
	1	1.0000	1.200		2.200		2.640		
	column	0							
	Total	0					107.640		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Centering and shut floors, roofs, landing				emoval of f	orm for:S	uspended	
	Centering and Shuttering							
	Tank cover slab	1.0000	7.100	5.100			36.210	
	Tank cover slab sides	1.0000	24.400		0.200		4.880	
	beams	1.0000	10.000		0.500		5.000	
	Cover slab- PH	1.0000	4.900	3.780			18.522	
	Side of cover slab -PH	1.0000	17.360		0.120		2.083	
	PH-Beam	2.0000	2.850	0.560			3.192	
	Sun shade	3.0000	1.800	0.600			3.240	
	sunshade side	3.0000	3.000		0.075		0.675	
	lintel	2.0000	11.980	₹ 10	0.100		2.396	
	Total		e-PLATFORA	A FOR THE MA	NAGEMENT		76.198	
	Total		e-PLATFORA OF PUBLIC V	UDDVE	tal Quantity	y in sqm	76.198 76.198	
7.017	Total 5.22.6		C-PLATFORM OF PUBLIC V	UDDVE		y in sqm		
7.017		ding all co	omplete upto	To	tal Quantity	ıg, bendin	76.198 g, placing	
7.017	5.22.6 Steel reinforcemen in position and bine	ding all co	omplete upto ore	To	tal Quantity	ıg, bendin	76.198 g, placing	
7.017	5.22.6 Steel reinforcemen in position and bind bars of grade Fe-50	ding all co	omplete upto ore	To	tal Quantity	ıg, bendin	g, placing y Treated	
7.017	5.22.6 Steel reinforcemen in position and bind bars of grade Fe-50	ding all co 00D or mo at @120kg 35.084	omplete upto ore	To	tal Quantity	ng, bendin echanically	g, placing y Treated	
7.017	5.22.6 Steel reinforcemen in position and bin-bars of grade Fe-50 Reinforcemen	ding all co 00D or mo at @120kg 35.084	omplete upto ore	To ding straight plinth levelT	tal Quantity	ng, bendin echanically 120.00 0000	g, placing y Treated 4210.080	
	5.22.6 Steel reinforcemen in position and bin-bars of grade Fe-50 Reinforcemen	ding all co 00D or mo at @120kg 35.084	omplete upto ore	To ding straight plinth levelT	tal Quantity ening, cuttir Thermo - Me	ng, bendin echanically 120.00 0000	76.198 g, placing y Treated 4210.080 4210.080	
	5.22.6 Steel reinforcemen in position and bind bars of grade Fe-50 Reinforcemen Total	ding all co 00D or mo at @120kg 35.084 00	omplete upto ore g/cum	To ding straight plinth levelT	tal Quantity ening, cuttire Thermo - Me	120.00 0000	76.198 g, placing y Treated 4210.080 4210.080	
	5.22.6 Steel reinforcemen in position and bind bars of grade Fe-50 Reinforcemen Total 13.7.1 12 mm cement plas	ding all co 00D or mont at @120kg 35.084 00 ster finish d)	omplete upto ore g/cum	To ding straight plinth levelT	tal Quantity ening, cuttire Thermo - Me	120.00 0000	76.198 g, placing y Treated 4210.080 4210.080	
	5.22.6 Steel reinforcemen in position and bindbars of grade Fe-50 Reinforcemen Total 13.7.1 12 mm cement placement: 3 fine san	ding all co 00D or mont at @120kg 35.084 00 ster finish d)	omplete upto ore g/cum	To ding straight plinth levelT	tal Quantity ening, cuttire Thermo - Me	120.00 0000	76.198 g, placing y Treated 4210.080 4210.080	
	5.22.6 Steel reinforcemen in position and bind bars of grade Fe-50 Reinforcemen Total 13.7.1 12 mm cement placement: 3 fine san Plastering in Side wall outer	ding all co 00D or mont at @120kg 35.084 00 ster finish d) CM 1:3 1.0000	omplete upto ore g/cum ed with a floa	To ding straight plinth levelT	ening, cuttir Thermo - Me	120.00 0000	76.198 g, placing y Treated 4210.080 4210.080 4210.080	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	column	1.0000	1.200		2.400		2.880
	roof slab	2.0000	7.100	5.100			72.420
	roof slab side	1.0000	24.400		0.200		4.880
	PH wall outer	1.0000	15.760		3.000		47.280
	PH wall inner	1.0000	14.160		3.000		42.480
	PH slab	2.0000	3.780	4.900			37.044
	PH slab side	2.0000	17.360		0.120		4.166
	parapet	2.0000	16.960	la/\	0.450		15.264
	parapet top	1.0000	16.960		0.150		2.544
	manhole side	4.0000	2.130		0.200		1.704
	Deduction windows	3.0000	1.500	M FOR THE M	1.500		-6.750
	Deduction RS	1.0000	2.400		2.700		-6.480
	Compound wall	1.0000	40.000		3.150		126.000
	Total						468.832
				To	otal Quantity	y in sqm	468.832
7.019	Finishing walls wi required shade:Ne including priming Painting	w work (T	wo or more	coats applied	d @ 1.43 ltr/	10 sqm o	additives of ver and
	Side wall outer and base slab	1.0000	22.000		2.700		59.400
	roof slab	2.0000	7.100	5.100			72.420
	roof slab side	1.0000	24.400		0.200		4.880
	PH wall outer	1.0000	15.760		3.000		47.280
	PH wall inner	1.0000	14.160		3.000		42.480

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	PH slab	2.0000	3.780	4.900			37.044	
	PH slab side	2.0000	17.360		0.120		4.166	
	parapet	2.0000	16.960		0.450		15.264	
	manhole side	4.0000 0	al /alijul		0.200		1.704	
	Deduction for windows 3.0000		1.500		1.500		-6.750	
	Deduction for RS	1.0000	2.400		2.700		-6.480	
	Compound wall	1.0000	40.000	w.D	3.150		126.000	
	Total			** \$2-2-			397.408	
			紅彩	To	tal Quantit	y in sqm	397.408	
7.020	13.71		27/6/2	The state of the s				
	Lettering with blac	k Japan p	int of approv	ed brand and	d manufactu	re		
	Lettering							
		80.000		M FOR THE M WORKS	ANAGEMENT		80.000	
	Total						80.000	
			Total Quan	itity in per I	Letter per ci	m height	80.000	
7.021	10.25.2							
	Item Shifted to Sul Item Shifted to hea Steel work welded in position and app etc. as required.In similar works	nd 14 as it in built u olying a pr	em 14.74 p sections/fra riming coat o	amed work, i f approved s	teel primer u	ising struc	ctural steel	
	Steel for ladder	1 0000	1			500.00		
		1.0000				600.00	600.000	
	Total						600.000	
				7	Total Quant	ity in kg	600.000	
7.022	Supplying and fixi						th frame	
	(low duty) charges including all cost, labour charges etc., complete.							
	Man hole cover	4.0000						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Total						4.000				
		tity in no	4.000								
7.023	9.48.2										
	Providing and fixing M.S. flats, square all complete. Fixed	or round b	ars etc. inclu	ıding primin	g coat with a	pproved s					
	MS Grill 70.0000 70.000 70.000 70.000 70.000 70.000 70.000 70.000 70.000 70.0000 70.000 70.000 70.000 70.000 70.000 70.0000 70.000 70.000 70.000 70.000 70.000 70.000 70.000 70.000 70.000 70.000 70.000 70.0										
		70.000									
	Total	70.000									
		70.000									
	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.80x1.25 mm M.S. laths with 1.25 mm thick top cover										
	Rolling shutter										
		1.0000	2.400	WORKS	3.000		7.200				
	Total						7.200				
				To	otal Quantit	y in sqm	7.200				
7.025	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminnium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately): For fixed portionPowder coated aluminium (minimum thickness of powder coating 50 micron) Aluminium works 1.0000 12.000 12.000										
	Total	0			l	ı	12.000				
					Total Quant	ity in kg					
7.026	21.1.2.2										

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	For shutters of doo pivots and making of EPDM rubber/separately)Powder micron)	ed includi for	ng the cost						
	Aluminium for sl	nutters			Γ	T T			
		1.0000	10.000				10.000		
	Total						10.000		
	Total Quantity in kg								
7.027	21.3.1								
	Providing and fixing partitions etc. with architectural drawn aluminium snap be thickness	EPDM ruings and the	ubber / neopr he directions	rene gasket e of Engineer	tc. complete - in -Charge	as per the . (Cost of) [
	Glass for shutter	2 0000				1.2500			
		3.0000	1.500	1.500		1.2500	8.438		
	Total	V _I		3-16			8.438		
		×		T	otal Quantit	v in sam	8.438		
7.028	OD167308/2023-2	2024	e-PLATFOR OF PUBLIC	M FOR THE N	IANAGEMENT	<i>y</i> 111 8 9 111	0,100		
	Supply conveyanc street/Yard light of protection with LE 0.95 at full load, in powder coated hou greater than 0.98 F compartment shou Certificate from N manufacturer)	ut put greated chip maternal surasing acry ROHS com	ater than 105 ake cree/Lur ge protection liccover com upliant duly varately access	lumen/watts milled/Niche n up to 8 kv a pplete with T wired up for sible for mai	4000-6000k a with power and allumini HD less thar use on 230v ntanance(LM	X with IP6 rfactor greum preasun 10% pov AC supply 179&	eater than are die cast ver factor y.Driver		
	LED								
		4.0000					4.000		
	Total	0							
	Total			1	Total Ower	tity in no	4.000		
7.020	OD167200/2022 0	0024			Total Quant	nty in no	4.000		
7.029	OD167309/2023-2024 Taking new electrical connection from KSEBL								
	Taking new electric	icai conne	ction from K	SEBL					
		1.0000					1.000		
	T-4-1	0							
	Total				. 10		1.000		
				To	tal Quantity	in 1 nos	1.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
7.030	OD167310/2023-2	2024				-					
	Charges for Suppl Raw water pump I sensor and 30m vi 10m,Rack, 500VA	nouses wh sion, 5 M	ich includes P or Higher l	providing 21	Nos 5 MP car	mera with	motion				
	CCTV	·	•								
		1.0000					1.000				
	Total										
	Total Quantity in 1 nos										
7.031	18.26.1										
	Providing and laying flanged C.I. Standard specials such as tees, bends, collars, tapers caps etc., suitable for flanged jointing as per IS: 1538: Upto 300 mm dia										
	Providing and layi	ng C.I sta	ndard specia	ls	Г	Г					
	150mm wall casting pipes for inlet, overflow etc	2.0000	A.S.			0.4700 00	0.940				
	100mm wall casting pipes for outlet,scour etc	2.0000		3-16		0.2000	0.400				
	Total						1.340				
			OF PUBLIC	Tota	l Quantity in	n quintal	1.340				
7.032	100.36.1										
	Filling water with of 5 km (average) height not less tha and other applience	to the resendence to the total	ervoir site an ng 5 HP dies	d pumping the el engine pur	he water into	the reserv	voir of				
	Filling water										
		40.000 00					40.000				
	Total						40.000				
				Total (Quantity in 1	Kilo litre	40.000				
7.033	OD167311/2023-2										
	Supplying and providing water level indicator to the tank using scale fabricated out of 2mm thick MS plate with in the frame work of suitable size MS square tube, 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure,										
	Level indicator										
		1.0000					1.000				
	Total						1.000				
				To	tal Quantity	y in each	1.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
8	Construction of 31	LL Sump	cum Pump h	ouse at Jame	es padi		
8.001	2.31						
	Clearing jungle ind saplings of girth up removal of rubbish	p to 30 cm	n measured a	t a height of	1 m above g	round leve	el and
	clearing jungle						
	clearing jungle	1.0000	12.000	10.000			120.000
	Total						120.000
				To	otal Quantit	y in sqm	120.000
8.002	2.8.1						
	Earth work in exca in foundation trend including dressing out the excavated so of 50 m.All kinds	ches or dra of sides a soil and di	ains (not exc and ramming	eeding 1.5 m of bottoms,	in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting
	Earth work by	mechanic	al				
	Earth work by mechanical	1.0000	11.000	10.000	0.300		33.000
	Total	V					33.000
			e-PLATFOR	M FOR THET	otal Quantit	y in cum	33.000
8.003	2.7.2		OF POBUL	WORKS			
	Earth work in exca over areas (exceed including disposal earth to be levelled	ing 30 cm of excava	in depth, 1. ited earth, le	5 m in width ad up to 50 n	as well as 10 and lift up	0 sqm on to 1.5 m,	plan)
	excavation abov	e 30 cm					
	excavation above 30 cm	1.0000	11.000	10.000	0.300		33.000
	Earth work for footing	3.0000	1.400	1.400	0.600		3.528
	Total						36.528
				To	otal Quantit	y in cum	36.528
8.004	OD167331/2023-2	2024					
	Dowel bars - Supp (1m in rock and 1r gap with cement g	n in concr	ete) includir				
	Dowel bars	Г					
	Dowel bars	150.00 000					150.000
	Total						150.000
	Ī				Total Quant	• .	150.000

	Specification	No	Length	Width	Depth	Cf	Quantity				
8.005	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 (zone-III) : 4 graded stone aggregate 20 mm nominal size)										
	PCC		38 8								
	PCC	1.0000	10.600	8.600	0.150		13.674				
	compound wall	1.0000	44.000	0.200	0.100		0.880				
	Total						14.554				
				To	tal Quantity	y in cum	14.554				
8.006	5.33.1										
	excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	ommended workabili eer - in-ch ess or less	proportions ty without in arge. Note:- cement used	as per IS: 91 npairing strei Cement cont	03 to accelerate and durate to the considerate of the considerate to the considerate to the considerate and the considerate to	rate, retar ability as ed in this	d setting of per item is @				
	M25 MIx		e-PLATFOR	M FOR THE M	ANAGEMENT						
	M25 MIx for footing 3.0000 1.200 0.500										
		0	+				2.160				
	Base slab	1.0000	10.500	8.500	0.200		17.850				
	Base slab	_	10.500	8.500 1.200	0.200		17.850				
		3.0000					17.850 -0.864				
	deduction	3.0000		1.200		y in cum	17.850 -0.864 19.140				
8.007	deduction	3.0000		1.200	0.200	y in cum	17.850 -0.864 19.140				
8.007	Total 5.33.2 Providing and layi 25 grade cement c as per approved de excluding the cost admixtures in recoconcrete, improve direction of Engin 330 kg/ cum. Exce	ng in posi oncrete for esign mix, of centeri ommended workabili eer - in-ch	tion machine r reinforced concluding pung, shuttering proportions ty without imarge. Note:-cement used	1.200 To batched and cement concumping of cog, finishing a as per IS: 91 as per IS: 91 cement contust as per design	0.200 I machine mirete work, us nerete to site and reinforce 03 to accelerate and duratent consideration mix is paya	ixed designing ceme of laying ment, increase, retarability as ed in this	17.850 -0.864 19.140 19.140 gn mix M- nt content g but luding d setting of per item is @				
8.007	Total 5.33.2 Providing and layi 25 grade cement c as per approved de excluding the cost admixtures in reco concrete, improve direction of Engine	ng in posi oncrete for esign mix, of centerion mended workabilitieer - in-chess or less ik above position	tion machine r reinforced concluding pung, shuttering proportions ty without imarge. Note:-cement used	1.200 To batched and cement concumping of cog, finishing a as per IS: 91 as per IS: 91 cement contust as per design	0.200 I machine mirete work, us nerete to site and reinforce 03 to accelerate and duratent consideration mix is paya	ixed designing ceme of laying ment, increase, retarability as ed in this	17.850 -0.864 19.140 19.140 gn mix M- nt content g but luding d setting of per item is @				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	side wall 2	2.0000	8.000	0.250	4.000		16.000
	Haunch	1.0000	36.000	0.400	0.700	0.5000	5.040
	tank cover slab	1.0000	11.100	9.100	0.200		20.202
	tank beam short	1.0000	8.000	0.250	0.100		0.200
	tank beam long	1.0000	10.000	0.250	0.100		0.250
	column inside tank	3.0000	0.300	0.250	3.900		0.878
	PH Column	1.0000	0.300	0.250	3.000		0.225
	PH lintel	1.0000	18.620	0.200	0.100		0.372
	PH shade	3.0000	1.800	0.600	0.075		0.243
	PH cover slab	1.0000	5.780	4.730	0.120		3.281
	PH beam	2.0000	4.400	0.250	0.130		0.286
	deduction for manhole	6.0000 0	0.455	0.610	0.150		-0.250
	Total						67.727
				To	otal Quantity	y in cum	67.727
8.008	5.34.1						
	Extra for providing specified cement c grade concrete insi in M-30 is @ 340	ontent use tead of M	ed is payable	/ recoverable	e separately.F	Providing	M-30
	M30 enrich						
	side wall 1	2.0000	10.500	0.250	4.000		21.000
	side wall 2	2.0000	8.000	0.250	4.000		16.000
	Haunch	1.0000	36.000	0.400	0.700	0.5000	5.040
	tank cover slab	1.0000	11.100	9.100	0.200		20.202
	Base slab	1.0000	10.500	8.500	0.200		17.850
	tank beam short	1.0000	8.000	0.250	0.100		0.200

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	tank beam long	1.0000	10.000	0.250	0.100		0.250
	column inside tank	3.0000	0.300	0.250	3.900		0.878
	PH Column	1.0000	0.300	0.250	3.000		0.225
	PH lintel	1.0000	18.620	0.200	0.100		0.372
	PH shade	3.0000	1.800	0.600	0.075		0.243
	PH cover slab	1.0000	5.780	4.730	0.120		3.281
	PH beam	2.0000	4.400	0.250	0.130		0.286
	deduction for manhole	6.0000	0.455	0.610	0.150		-0.250
	Total						85.577
				200			05 575
8.009	50.6.1.3 Solid block masor or nearest available	le size conf	irming to IS	olocks (Facto 2185 Part I o	f 1979 for su	size 40x2 uper struc	20x20cm cture above
8.009	Solid block masor or nearest available floor two level up coarse sand) etc co	le size conf to floor V omplete	irming to IS	olocks (Facto 2185 Part I o	ry made) of f 1979 for si	size 40x2 uper struc	20x20cm cture above
8.009	Solid block masor or nearest available floor two level up	le size conf to floor V omplete onry 2.0000	irming to IS	olocks (Facto 2185 Part I o	ry made) of f 1979 for si	size 40x2 uper struc	20x20cm cture above cement :6
8.009	Solid block masor or nearest available floor two level up coarse sand) etc coarse sand	le size conf to floor V omplete	irming to IS a	blocks (Facto 2185 Part I o ss 20cm and	ry made) of f 1979 for st above in: Cl	size 40x2 uper struc	20x20cm cture above cement :6
8.009	Solid block masor or nearest available floor two level up coarse sand) etc coarse sand block masor long wall	le size conf to floor V omplete onry 2.0000 0 2.0000	irming to IS is level thickness.	olocks (Facto 2185 Part I o ss 20cm and	ry made) of f 1979 for st above in: Cl	size 40x2 uper struc	20x20cm cture above cement :6 6.480
8.009	Solid block masor or nearest available floor two level up coarse sand) etc coarse sand block masor long wall	le size conf to floor V omplete onry 2.0000 0 2.0000	irming to IS 2 level thickness 5.400 4.000	olocks (Facto 2185 Part I o ss 20cm and 0.200	ry made) of f 1979 for st above in: Cl 3.000	size 40x2 uper struc	20x20cm cture above cement :6 6.480 4.800
8.009	Solid block masor or nearest available floor two level up coarse sand) etc coarse sand block masor long wall short wall	le size conf to floor V omplete onry 2.0000 0 2.0000 0 1.0000 0	5.400 4.000 3.000	0.200 0.200	ry made) of f 1979 for st above in: Cl 3.000 3.000 2.700	size 40x2 uper struc	cture above
8.009	Solid block masor or nearest available floor two level up coarse sand) etc coarse sand) etc coarse sand block masor long wall short wall	le size conf to floor V omplete onry 2.0000 0 2.0000 0 1.0000 0	5.400 4.000 3.000	0.200 0.200 0.200	ry made) of f 1979 for st above in: Cl 3.000 3.000 2.700	size 40x2 uper struc M 1:6 (1	20x20cm eture above cement :6 6.480 4.800 -1.620
	Solid block masor or nearest available floor two level up coarse sand) etc coarse sand) etc coarse sand block masor long wall short wall	le size conf to floor V omplete onry 2.0000 0 2.0000 0 1.0000 0	5.400 4.000 3.000	0.200 0.200 0.200	ry made) of f 1979 for st above in: Cl 3.000 3.000 2.700	size 40x2 uper struc M 1:6 (1	20x20cm eture above cement :6 6.480 4.800 -1.620 -1.350
	Solid block masor or nearest available floor two level up coarse sand) etc	le size conf to floor V omplete nry 2.0000 0 2.0000 0 1.0000 0 3.0000 0 ary using properties of the floor five	5.400 4.000 3.000 1.500	0.200 0.200 0.200 0.200 Tot	ry made) of f 1979 for st above in: Cl 3.000 3.000 2.700 1.500 al Quantity ry made) of f 1979 for st	size 40x2 uper struc M 1:6 (1	20x20cm eture above cement :6 6.480 4.800 -1.620 -1.350 8.310 20x15 cm eture above

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	parapet	1.0000	20.900	0.150	0.450		1.411
	compound wall	1.0000	44.000	0.150	1.500		9.900
	Total						11.311
				To	otal Quantity	y in cum	11.311
8.011	21.1.1.2						
	Providing and fixi with extruded buil sections of approv fasteners of requirite. at top, bottom Aluminium section mechanically when glazing /paneling, drawings and the offasteners to be paid For fixed portion Provided p	t up stand ed make ced dia and sides and sides rever requestions directions differ coales.	ard tubular s conforming to I size, includ with required c smooth, rus ired includired s/ stainless st of Engineer- rately):	ections/ appro IS: 733 and ing necessary d EPDM rubbst free, straigling cleat angle eel screws, a in-charge.(G	ropriate Z sec d IS: 1285, fi y filling up the ber/ neoprenent, mitred and e, Aluminniu all complete a dazing, panel	ctions and ixing with ne gaps at e gasket ed jointed m snap be as per archling and d	other dash junctions, etc. eading for nitectural lash coating 50
	Total		e-PLATFOR	M FOR THE M	ANAGEMENT		12.000
	Total		e-PLATFOR	WORKS	Total Quant	ity in kg	
8.012	Total 21.1.2.2		e-PLATFOR	WORKS		ity in kg	
8.012		provision neoprene	ws & ventila for fixing o	ntors including f fittings who	Total Quant ng providing erever require shall be paid	and fixing ed includi for	12.000 g hinges / ing the cost
8.012	21.1.2.2 For shutters of doo pivots and making of EPDM rubber/separately)Powdermicron) Aluminium for Sh	provision neoprene coated al	ws & ventila for fixing o	ntors including f fittings who	Total Quant ng providing erever require shall be paid	and fixing ed includi for der coatin	g hinges / ing the cost ng 50
8.012	21.1.2.2 For shutters of doc pivots and making of EPDM rubber/separately)Powder micron)	provision neoprene coated al	ws & ventila for fixing o	ntors including f fittings who	Total Quant ng providing erever require shall be paid	and fixing ed includi for	g hinges / ing the cost ng 50
8.012	21.1.2.2 For shutters of doo pivots and making of EPDM rubber/separately)Powdermicron) Aluminium for Shaluminium for	provision neoprene coated al nutters	ws & ventila for fixing o	ntors including f fittings who	Total Quant ng providing erever require shall be paid	and fixing ed includi for der coatin	g hinges / ing the cost ing 50
8.012	21.1.2.2 For shutters of doo pivots and making of EPDM rubber/separately)Powdermicron) Aluminium for Shaluminium for Shaluminium for Shutters	provision neoprene coated al nutters	ws & ventila for fixing o	ntors including f fittings who red (Fittings inimum thicl	Total Quant ng providing erever require shall be paid	and fixing ed includi for eder coating 3.0000	12.000 g hinges / ing the cost ng 50 9.000 9.000
	21.1.2.2 For shutters of doo pivots and making of EPDM rubber/separately)Powdermicron) Aluminium for Shaluminium for Shutters Total	provision neoprene coated al nutters 3.0000 0	ws & ventila for fixing o gasket requinuminium (m	ntors including f fittings whered (Fittings inimum thick	Total Quant ng providing erever require shall be paid kness of pow	and fixing ed includi for eder coating 3.0000 00	9.000 9.000 9.000
	21.1.2.2 For shutters of doc pivots and making of EPDM rubber/separately)Powder micron) Aluminium for Shaluminium for Shutters Total	neoprene grouted al nutters 3.0000 0 ng glazing a EPDM raings and the	ws & ventila of for fixing of gasket requir uminium (m	ators including fittings who red (Fittings inimum thick inimum thick inimum door, wind rene gasket experience)	rotal Quant ag providing erever require shall be paid kness of pow Total Quant dow, ventilat tc. complete - in -Charge	and fixing ed includi for der coating 3.0000 00 city in kg	9.000 9.000 9.000 9.000
	21.1.2.2 For shutters of doo pivots and making of EPDM rubber/ separately)Powder micron) Aluminium for Shaluminium for Shutters Total 21.3.1 Providing and fixing partitions etc. with architectural draw aluminium snap be	neoprene grouted al nutters 3.0000 0 ng glazing a EPDM raings and the	ws & ventila of for fixing of gasket requir uminium (m	ators including fittings who red (Fittings inimum thick inimum thick inimum door, wind rene gasket experience)	rotal Quant ag providing erever require shall be paid kness of pow Total Quant dow, ventilat tc. complete - in -Charge	and fixing ed includi for der coating 3.0000 00 city in kg	9.000 9.000 9.000 9.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						8.438
				To	tal Quantit	y in sqm	8.438
8.014	5.9.1						
	Centering and shur footings, bases of				removal of f	orm for:F	oundations,
	Shuttering for b	ase and fo	oting				
	shuttering for footing	3.0000	4.800	0.500			7.200
	shuttering for base slab	1.0000	36.000	0.200			7.200
	Total						14.400
				To	otal Quantit	y in sqm	14.400
8.015	5.9.3						
	Centering and shufloors, roofs, landi	ttering inc ngs, balco	luding struttionies and acc	ng, etc. and ess platform	removal of f	orm for:S	uspended
	shutterin	g and forn	n works	KALM			
	sidewall outside	2.0000	10.500	4.000			84.000
	sidewall outside	2.0000	8.500	4.000			68.000
	sidewall inside	2.0000	10.000	3.600	ANAGEMENT		72.000
	sidewall inside	2.0000	8.000	3.600			57.600
	cover slab	1.0000	11.100	9.100			101.010
	cover slab side	1.0000	38.400	0.200			7.680
	long beam	1.0000	10.000	0.500			5.000
	cross beam	1.0000	8.000	0.500			4.000
	column side 1	3.0000	1.100		3.900		12.870
	column PH	1.0000	1.100		2.850		3.135
	pump house lintel	2.0000	18.680	0.100			3.736
	pump house cover slab	1.0000	5.780	4.730			27.339
	pump house slab side	1.0000	21.020	0.120			2.522

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	pump house beam	2.0000	4.330	0.750			6.495
	pump house shade	2.0000	1.800	0.600			2.160
	pump house shade side	2.0000	3.000	0.075			0.450
<u> </u>	Haunch	1.0000	36.000	0.800			28.800
	side for Man hole	6.0000 0	2.130	0.150			1.917
1	deduction for manhole	6.0000	0.610	0.455			-1.665
	deduction for beams	1.0000	17.500	0.250			-4.375
	Total	·		25			482.674
				To	tal Quantit	y in sqm	482.674
8.016	5.22.6		- 1000	(September 2)			
	Steel reinforcement in position and bin bars of grade Fe-50	ding all co	omplete upto	plinth levelT	ening, cuttir 'hermo - Me	echanically	g, placing Treated
	Reinforcement	06.070				120.00	1040476
	Steel	86.873 00				120.00 0000	10424.76 0
	Total						10424.76 0
				Total Q	uantity in k	ilogram	10424.76 0
8.017	13.7.1						
	12 mm cement pla		ed with a floa	ating coat of	neat cement	of mix:1:	2 (1
	cement: 3 fine san	ıd)					3 (1
	Plastering		ck				3 (1
			28.000	4.200			159.600
	Plastering Outside wall and	1.0000					`
	Plastering Outside wall and basement inside wall of	1.0000 0 1.0000	38.000	4.200			159.600
	Plastering Outside wall and basement inside wall of tank	1.0000 0 1.0000 0 1.0000	38.000 36.000	4.200	3.700		159.600 129.600

slab side f manhole rall outside rall inside	1.0000 0 6.0000 0 1.0000 0	38.000 2.130 19.420	0.150			5.700
all outside	1.0000 0					1.917
	0	19.420				
all inside	1.0000		3.000			58.260
	0	17.820	3.000			53.460
et	2.0000	20.720		0.450		18.648
ab Top and	2.0000	5.780	4.730			54.679
de of slab	1.0000	21.020	0.120			2.522
	2.0000	4.400	0.750			6.600
n	1.0000	1.100	2.750			3.025
ade top and	4.0000	1.800	0.600			4.320
ade side	2.0000	3.000	0.075	Ш		0.450
tion for g shutter	1.0000	3.000	A FOR THE MA VORKS	2.700		-8.100
tion for	3.0000	1.500		1.500		-6.750
ound wall	1.0000	44.000		3.150		138.600
	•		•	•		842.041
			Tot	al Quantity	in sqm	842.041
t	shutter ion for w	shutter 0 1.0000 0 3.0000 0 0 0 0 0 0 0 0 0 0 0 0 0	1.0000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 44.000 3.000 44.000	1.0000 3.000 shutter 1.0000 3.000 1.500 1.500 1.500 1.0000	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.0000 3.000 2.700 2.700 3.000 for w 3.0000 1.500 1.500 1.500 3.150

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and app waterproofing trea water tanks, roof s tunnels / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremeability of co DIN 1048 and resis slurry shall be capishall be carried ou engineerincharge. The production	tment to the labs, poding edeck et es slurry: 2 es slurry: 1 to (internative ments increte by stant to 10 able of set all comparents of the labs of set all comparents to 10 t	the RCC structums, reservi- c., prepared (2 parts water) part water) l) side with t as specified more than 90 6 bar hydrost lf-healing of blete as per sp	ctures like re or, sewage & by mixing in for vertical for horizonta he help of sy in ACI-212- 0% compared tatic pressure cracks up to pecification a	the ratio of a surfaces and a surface a surface a width of 0 and the direct	s of the battreatment 5:2 (5 pa 3:1 (3 pa d applyin brush. The by reducir ol concrete side. The .50mm. T tion of the	rts arts g the ne material ng e as per crystalline he work
	leakage.For vertica						
	Integral crystallir			(-0)		I I	
	side wall 1	2.0000	10.500		4.000		84.000
	side wall 2	2.0000	8.000		4.000		64.000
	column inside tank	3.0000	1.200		3.900		14.040
	Total		e-PLATFOR	M FOR THE M	ANAGEMENT		162.040
			OF PUBLIC	WORKS T	otal Quantit	y in sqm	162.040
8.019	22.23.2					-	
	Providing and app waterproofing trea water tanks, roof s tunnels / subway and bridg integral crystalline integral crystalline same from negative shall meet the requipermeability of co DIN 1048 and resistalline same from same from negative shall be capeable to compare the compare of the compare of the production of th	tment to the labs, poding edeck et es slurry: 2 es slurry: 1 to (internative ments increte by stant to 10 able of set all comportal surface	the RCC structums, reserving the RCC structums, reserving the construction of the RCC structure of the RCC structure of the construction of the co	ctures like re or, sewage & by mixing in for vertical for horizonta he help of sy in ACI-212- 0% compared tatic pressure cracks up to pecification a	the ratio of a surfaces and al surfaces and al surfaces and al surfaces and anothetic fiber 3R-2010 i.e. I al with control on negative a width of 0 and the direct	s of the battreatment 5:2 (5 pa 3:1 (3 pa d applyin brush. The by reducir ol concrete side. The .50mm. T	rts arts g the ne material ng e as per crystalline he work
		1.0000					
	Base slab	0.0000	10.500	8.500			89.250
	Total						89.250
				Te	otal Quantit	y in sqm	89.250

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
8.020	13.47.1		-	-								
	required shade:Ne	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)										
	Premium Acryli	c Exterio	Paint									
	Outside wall and basement	1.0000	38.000	4.200			159.600					
	cover slab side	1.0000	38.000	0.150			5.700					
	side of manhole	6.0000	2.130	0.150			1.917					
	PH wall outside	1.0000	19.420	3.000			58.260					
	PH wall inside	1.0000	17.820	3.000			53.460					
	parapet	2.0000	20.720		0.450		18.648					
	PH slab Top and Bottom	2.0000	5.780	4.730			54.679					
	PH side of slab	1.0000	21.020	0.120	Œ		2.522					
	Beam	2.0000	4.400	0.750	ANAGEMENT		6.600					
	column	1.0000	1.100	2.750			3.025					
	sunshade top and bottom	4.0000 0	1.800	0.600			4.320					
	sunshade side	2.0000	3.000	0.075			0.450					
	deduction for rolling shutter	1.0000	3.000		2.700		-8.100					
	deduction for window	3.0000	1.500		1.500		-6.750					
	Compound wall	1.0000	44.000		3.150		138.600					
	Total						492.931					
				To	tal Quantit	y in sqm	492.931					
8.021	13.71											
	Lettering with blace	ck Japan p	int of approv	ed brand and	d manufactu	re						
	Lettering					,						
	Lettering	80.000 00					80.000					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						80.000
			Total Quar	ntity in per l	Letter per cı	n height	80.000
8.022	10.25.2						
	Item Shifted to Su Item Shifted to her Steel work welded in position and app etc. as required.In similar works	ad 14 as ito in built u olying a pr	em 14.74 p sections/fr riming coat o	amed work,	steel primer u	sing struc	ctural steel
	Ladder etc						
	Ladder etc	850.00 000					850.000
	Total						850.000
				,	Total Quant	ity in kg	850.000
8.023	100.41.34		A	M			
	Supplying and fixi (low duty) charges						th frame
	Man hole cover		- 45				
	Man hole cover	6.0000	P	1			6.000
	Total		e-PLATFOR	M FOR THE M	IANAGEMENT		6.000
			OF PUBLIC	WURRS	Total Quant	ity in no	6.000
8.024	10.6.1						
	Supplying and fixilaths, interlocked tend locks, mounte arrangements for including the cost manufactured fron part 1 and M.S. tlaths with 1.25 mm	ogether the don specinside and of providing tensor to be covered to be c	arough their of ally designed outside lock ng and fixing sile steel wir of required the	entire length d pipe shaft v ing with pusing necessary 2 e of adequate	and jointed t with brackets h and pull op 27.5 cm long e strength con	ogether at , side guideration co wire sprin nforming	t the end by des and omplete, ngs to IS: 4454
	Rolling shutter					r	
	Rolling shutter	1.0000	3.000		2.700		8.100
	Total						8.100
				To	otal Quantit	y in sqm	8.100
8.025	9.48.2						
	Providing and fixi M.S. flats, square all complete.Fixed	or round b	ars etc. inclu	uding primin	g coat with a	pproved s	
	MS Grill	· · · · · ·					
	IMB OIIII						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						80.000
					Total Quant	ity in kg	80.000
8.026	18.26.1					-	
	Providing and layi caps etc., suitable						lars, tapers,
	Providing and layi	ng C.I sta	ndard specia	ls	Г		
	200mm wall casting pipes for inlet, overflow etc	2.0000				0.4700 00	0.940
	100mm wall casting pipes for outlet, scour etc	2.0000				0.2000	0.400
	Total						1.340
				Tota	l Quantity in	n quintal	1.340
8.027	OD167332/2023-2	2024	-63			-	
	thread for connect Level indicator	1.0000		M FOR THE M		structure,	1.000
	Total	0					1.000
	10001			To	otal Quantity	v in each	1.000
8.028	100.36.1				•	,	
	Filling water with of 5 km (average) height not less tha and other applience	to the rese n 3 m usir	ervoir site an ng 5 HP diese	d pumping to el engine pur	he water into mp set , hire i	the reserv	voir of
	Filling water				T	T	
		300.00 000					300.000
	Total						300.000
				Total (Quantity in 1	Kilo litre	300.000
9	Road restoration c	harges PV	VD/SH/NH				
9.001							
	Excavation for roa including cutting a accordance with re the embankment le	and loadin equiremen	g in tippers, ts of lines, g	trimming bo rades and cr	ttom and side	e slopes, i	n
	Excavation						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Berm PWD	1.0000	100.000	0.900	0.150		13.500
	Berm SH/NH	1.0000	200.000	0.600	0.150		18.000
	CC Pavement PWD/SH	1.0000	1485.000	0.900	0.300		400.950
	CC Pavement NH	1.0000 0	4800.000	0.600	0.300		864.000
	Tar cut NH/SH	1.0000 0	250.000	0.600	0.300		45.000
	Tar cut PWD	1.0000	100.000	0.900	0.300		27.000
	Total						1368.450
				To	otal Quantit	y in cum	1368.450
9.002	4.2.A.1			left.			
	layers with a motor rotavator at OMC, density, complete a Method	and comp	pacting with	a vibratory r	oller to achie	eve the de	sired
	GSB						
	Berm PWD	1.0000	100.000	0.900	0.150		13.500
	Berm SH/NH	1.0000	200.000	0.600	0.150		18.000
	CC Pavement PWD/SH	1.0000	1485.000	0.900	0.150		200.475
	CC Pavement NH	1.0000	4800.000	0.600	0.150		432.000
	Tar cut NH/SH	1.0000 0	250.000	0.600	0.150		22.500
	Tar cut PWD	1.0000	100.000	0.900	0.150		13.500
	Total						699.975
				To	otal Quantit	y in cum	699.975
9.003	4.12 Providing, laying, Macadam specifica mechanical mix platayers with paver is with vibratory roller.	ation inclu ant carrias n sub- bas	iding premix ge of mixed se / base cou	king the Mate Material by t rse on well p	erial with wa sipper to site,	ter at OM laying in	C in uniform
	WMM						
	Tar cut NH/SH	1.0000	250.000	0.600	0.150		22.500

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Tar cut PWD	1.0000	100.000	0.900	0.150		13.500				
	Total			•	•		36.000				
				To	tal Quantity	y in cum	36.000				
9.004	5.1.a										
	Providing and applying primer coat with bitumen emulsion (SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means.										
	Primer coat										
	Tar cut NH/SH	1.0000	250.000	1.500			375.000				
	Tar cut PWD	1.0000	100.000	1.350			135.000				
	Total						510.000				
				To	otal Quantit	y in sqm	510.000				
9.005	5.2.b		AH	9 /11/1							
	Providing and applying tack coat with bitumen emulsion (RS) using emulsion pressure distributor at the rate of 0.25 - 0.30 kg per sqm on the prepared Granular Surface cleaned with mechanical broom.										
	Tack coat										
	Tar cut NH/SH	1.0000		1.500	ANAGEMENT		375.000				
	Tar cut PWD	1.0000	100.000	1.350			135.000				
	Total						510.000				
				To	otal Quantit	y in sqm	510.000				
9.006	5.3.2.a										
	Providing and laying bituminous macadam with 80-100 TPH hot mix plant pr an average output of 75 tonnes per hour using crushed aggregates of specified premixed with a bituminous binder (VG 30), transported to the site, laid over previously prepared surface with paver finisher to the required grade, level, ar alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired cor For Grading II - (19 mm nominal size)										
	BM	Г									
	BM	1.0000	250.000	1.500	0.050		18.750				
	Total						18.750				
				To	tal Quantity	y in cum	18.750				
9.007	5.2.a										
	Providing and app distributor at the ra cleaned with mech	ate of 0.20	- 0.30 kg pe								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	tack coat								
	Tar cut NH/SH	1.0000	250.000	1.500			375.000		
	Total						375.000		
				To	otal Quantit	y in sqm	375.000		
9.008	5.6.2.a								
	Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with a bituminous binder(NRMB) @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects For Grading - II (13.2 mm Nominal Size)								
	Tar cut NH/SH		11.250						
	Total								
				To	otal Quantit	y in cum	11.250		
9.009	5.7.1	N/							
	Providing, laying a thickness compose grade bitumen (V course on a previo appropriate capaci wheeled roller 8-1	ed of 11.2 G - 30) to usly prepa ty not less	mm to 0.09 the required base, income than 75 ton	mm (Type-A line, grade, s cluding mixin nes/hour., lay	A) aggregates and level to ng in a suitab ying and roll	using vis serve as wole HMP of ing with a	cosity yearing of Smooth		
	Close graded pre	mix							
	TAR CUT PWD	1.0000	100.000	1.350			135.000		
	Total						135.000		
				To	otal Quantit	y in sqm	135.000		
9.010									
	Providing and layi stone aggregates o prepared surface a 19 mm nominal ch	f specified nd rolling	d size on a la with 8-10 to	yer of bitum	inous binder	(VG 30)	laid on the		
	Seal coat					Γ			
	TAR CUT PWD	1.0000	100.000	1.350			135.000		
	Total								
				To	otal Quantit	y in sqm	135.000		
9.011	12.4								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Plain cement conc 40 mm nominal siz vibration including	ze mechar	nically mixed						
	PCC 40mm								
	CC Pavement PWD/SH	1.0000	1485.000	0.900	0.100		133.650		
	CC Pavement NH	1.0000	4800.000	0.600	0.100		288.000		
	Total								
				To	tal Quantity	y in cum	421.650		
9.012	12 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing an Technical Specifications PCC Grade M20								
	Wearing Coat								
	CC Pavement PWD/SH	1.0000	1485.000	0.900	0.075		100.238		
	CC Pavement NH	1.0000	4800.000	0.600	0.075		216.000		
	Total			3-10			316.238		
				To	tal Quantity	y in cum	316.238		
10	Dood restoration a	bours I	CDLATEOR	M FOR THE M	ANAGEMENT				
10	Road restoration c	narges -L	SGD	WORKS	NO 40-00-0141-014-1				
10.00		narges -L.	SGD	WOOKE					
	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with rethe embankment lospecification Clau	using Hy dwork in nd loadin equiremen	draulic Exca soil with hyo g in tippers, ts of lines, g	vator and Tip Iraulic excav trimming bot rades and cro	opers with di ator of 0.9 cu tom and side	am bucket slopes, it and transp	t capacity n porting to		
10.00	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with rethe embankment lo	using Hy dwork in and loadin equiremen ocation wi se 302.3	draulic Exca soil with hyo g in tippers, ts of lines, g	vator and Tip Iraulic excav trimming bot rades and cro	opers with di ator of 0.9 cu tom and side	am bucket slopes, it and transp	t capacity n porting to		
10.00	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with rethe embankment lospecification Clau	using Hy dwork in and loadin equirement ocation with se 302.3	draulic Exca soil with hyo g in tippers, ts of lines, g	vator and Tip Iraulic excav trimming bot rades and cro	opers with di ator of 0.9 cu tom and side	am bucket slopes, it and transp	t capacity n porting to		
10.00	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with re the embankment lo Specification Clau Excavation	using Hy dwork in nd loadin equiremen ocation wi se 302.3	draulic Exca soil with hyd g in tippers, ts of lines, g th a lift upto	vator and Tip Iraulic excav trimming bot rades and cro 1.5 m and le	opers with di ator of 0.9 cu tom and side oss-sections, ead upto 1000	am bucket slopes, it and transp	t capacity n porting to Technical		
10.00	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with re the embankment lo Specification Clau Excavation Tar Road For Concrete	using Hy dwork in and loadin equirement ocation with se 302.3	draulic Exca soil with hyd g in tippers, ts of lines, g th a lift upto	vator and Tiplraulic excavitrimming both rades and cross and less	oppers with di ator of 0.9 cu tom and side oss-sections, ead upto 1000	am bucket slopes, it and transp	t capacity n porting to Technical		
10.00	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with rethe embankment lospecification Clau Excavation Tar Road For Concrete Road	using Hy dwork in and loadin equirement ocation with se 302.3	draulic Exca soil with hyd g in tippers, ts of lines, g th a lift upto	vator and Tiplraulic excave trimming both rades and cross and less	oppers with di ator of 0.9 cu tom and side oss-sections, ead upto 1000	am bucket e slopes, in and transp o m as per	t capacity n porting to Technical 45.000 82.500		
10.00	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with re the embankment lo Specification Clau Excavation Tar Road For Concrete Road Total	using Hy dwork in and loadin equirement ocation with se 302.3	draulic Exca soil with hyd g in tippers, ts of lines, g th a lift upto 250.000	vator and Tiplraulic excave trimming both rades and cross and less and less and less and less are considered as a constant of the constant of	opers with di ator of 0.9 cu tom and side oss-sections, and upto 1000 0.300 0.300	um bucket e slopes, in and transp) m as per	45.000 82.500 127.500		
10.00	3.5.3 Excavation in Soil Excavation for roa including cutting a accordance with rethe embankment lospecification Clau Excavation Tar Road For Concrete Road Total	using Hy dwork in and loadin equirement ocation with se 302.3 1.0000 0 1.0000 0 with Weltion of gram layers rotavator I density,	draulic Excasoil with hyder gin tippers, ts of lines, geth a lift upto 250.000 550.000	vator and Tiplraulic excave trimming both rades and cross and cross and cross and cross and constant of the constant of the compacting value of the compacting trader on predictions and the compacting trader on predictions are compacting trader on predictions and the compacting trader on predictions are constant or constant	opers with diator of 0.9 cutom and side oss-sections, and upto 1000 0.30	y in cum By Mix i ded mater e, mixing h wheel ro	t capacity n porting to Technical 45.000 82.500 127.500 127.500 n Place rial, by mix in coller to		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Tar Road	1.0000	250.000	0.600	0.150		22.500			
	For Concrete Road	1.0000	550.000	0.500	0.150		41.250			
	Total						63.750			
				To	tal Quantity	y in cum	63.750			
10.00	4.9	¥ 1								
3	Wet Mix Macadam Providing, laying, spreading and compacting graded sto aggregate to wet mix macadam specification including premixing the materia water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by site, laying in uniform layers in sub-base/base course on a well prepared sub-compacting with smooth wheel roller of 80 to 100kN weight to achieve the d density including lighting, barricading and maintenance of diversion, etc as p 400.11 & 400.12 and Technical Specification Clause 406. By Mechanical N with 1 km lead									
	WMM Tar road	1.0000	250.000	0.600	0.150		22.500			
	Total									
		_		To	tal Quantity	v in cum	22.500 22.500			
10.00	5.1.1a	X				,				
4	Prime Coat :- Low emulsion (SS-1) of surface and spraying per Technical Spect Prime coat	n prepared ng primer	l surface of g at the rate of	ranular base	including cl	eaning of	road			
	for tar road	1.0000	250.000	1.000			250.000			
	Total						250.000			
				To	tal Quantity	y in sqm	250.000			
	5.2.3a									
5	Tack Coat Provid emulsion distribute surfaces treated wi Specification Clau	or at the raith primer	ate of 0.25 to	0.30 kg per	sqm on the p	repared g	ranular			
	Tack coat									
	for tar road	1.0000	250.000	1.000			250.000			
	Total									
				To	tal Quantity	y in sqm	250.000			
10.00 6	5.9.1.2a									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	20mm thick Open- grade/modified bit open-graded prem aggregates either u and level to serve in a suitable plant, capacity, finished Type A or Type B Manual Means (I	tumen) Bin ix carpet of asing peneral as wearing laying an to required or Type O	nder - Bitum of 20 mm this tration grade g course on a d rolling wit d level and g C as per Tech	en S-65 Prockness compe bitumen or a previously plant a three who rades to be for	oviding, layir osed of 13.2 emulsion to prepared base eel 80-100 kl ollowed by s	ng and rol mm to 5. required le, includir N static ro eal coat o	6 mm ine, grade ng mixing iller f either	
	OGPC							
	for tar road	1.0000	250.000	1.350			337.500	
	Total						337.500	
				To	otal Quantit	y in sqm	337.500	
	fall using Type A, By Manual Means Seal coat for tar road Total	Type B a :- Case -	nd Type C as III : Type C 250.000	(II) Bitume	cal Specifican n (S-65)	tion Claus	337.500 337.500	
				To	otal Quantit	y in sqm	337.500	
10.00	Providing concrete drawings and tech M 20 (i) Nominal	nical spec	ifications Cla	oncrete in op ause 802, 803	pen foundations, 1202 & 12	ons compl	ete as per C.C. grade	
	Cement concrete for concrete road	1.0000	550.000	0.900	0.150			
	for concrete road			0.900	0.150		74.250	
						v in cum	74.250 74.250	
11	for concrete road	1.0000	550.000	To	otal Quantit		74.250 74.250 74.250	

	Specification	No	Length	Width	Depth	Cf	Quantity		
	(G).CAPACITOR Supply, erection, teapacitor for the all confirm to IS 2834 (H).VALVE:- Supfanged sluice valve shall include propes suction pump set s repair works. Press < br> < br&Supply and fitting mm for a total lenguize foot valve and suitable flanges, not the pump with 18 m (approx), valor	sting and bove mote & & lt; br & g ply of suite and Nor er RCC su luice valves ure gauge gt; (I). SUre of suitable at of 8 m l connectiut and bol 150mm M	or to get unit gt; table size be return valve apport especive should be e on both suc CTION ANI e size best quaprox). Sung the suction ts IR sheet els pipe of this	Marked Cating.fittings. In case of very sides NECTIONS not less poset and so and valving the delant for a total	I double g of valves of positive for easy NS:- s than 8 suitable re with livery side al length of				
	pump sets			W					
		2.0000					2.000		
	Total		2000				2.000		
				_	Total Quant	tity in no	2.000		
11.00	OD167334/2023-2	2024							
	Supply & conveyance installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required. 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD less than 10%, power factor greater than 0.98, RoHS compliant, high lumen tube								
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w	ectly on wing connected conformal ection of the confor	rall or ceiling ction with re ning to releva- electronic bal	mm thickness with PVC required length ant ISS and g llast suitable	ss complete vound block in of 16/0.20n giving connection for continuo	with all acceptable all acceptance and acceptance all acceptance a	cessories ited to suit copper equired. on with		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w	ectly on wing connected conformal ection of the confor	rall or ceiling ction with re ning to releva- electronic bal	mm thickness with PVC required length ant ISS and g llast suitable	ss complete vound block in of 16/0.20n giving connection for continuo	with all acceptable all acceptance and acceptance all acceptance a	cessories ited to suit copper equired. on with		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 109	ectly on wing connected conformal ection of the confor	rall or ceiling ction with re ning to releva- electronic bal	mm thickness with PVC required length ant ISS and g llast suitable	ss complete vound block in of 16/0.20n giving connection for continuo	with all acceptable all acceptance and acceptance all acceptance a	cessories ited to suit copper equired. on with		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 109	ectly on wing connected conformath APF 66, power 16.0000	rall or ceiling ction with re ning to releva- electronic bal	mm thickness with PVC required length ant ISS and g llast suitable	ss complete vound block in of 16/0.20n giving connection for continuo	with all acceptable all acceptance and acceptance all acceptance a	cessories ted to suit copper equired. on with lumen tube		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 10%. Led Tube set	ectly on wing connected conformath APF 66, power 16.0000	rall or ceiling ction with re ning to releva- electronic bal	mm thickness with PVC required length ant ISS and glast suitable r than 0.98, I	ss complete vound block in of 16/0.20n giving connection for continuo	with all acceptable and acceptable acceptabl	cessories ted to suit copper equired. on with lumen tube		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 10%. Led Tube set	ectly on wing connected conformation of the co	rall or ceiling ction with re ning to releva- electronic bal	mm thickness with PVC required length ant ISS and glast suitable r than 0.98, I	ss complete vound block in of 16/0.20n giving connection for continuo RoHS comple	with all acceptable and acceptable acceptabl	cessories ted to suit copper equired. on with lumen tube 6.000		
11.00	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 10% Led Tube set	ectly on wing connected conformation of the co	rall or ceiling ction with rening to relevable ctronic balfactor greate	mm thickness with PVC required length ant ISS and glast suitable rethan 0.98, I	ss complete vound block in of 16/0.20n giving connection continuo RoHS complete Control Quanta surface or in	with all acceptable pain and a corections as rous operations, high	cessories ted to suit copper equired. on with lumen tube 6.000 6.000		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 109. Led Tube set Total OD167335/2023-2	ectly on wing connected conformation of the co	all or ceiling ction with rening to relevable ctronic balfactor greate a X 5 mm cog. As per Data	mm thickness with PVC required length ant ISS and glast suitable rethan 0.98, I	ss complete vound block in of 16/0.20n giving connection continuo RoHS complete Control Quanta surface or in	with all acceptable pain and a corections as rous operations, high	cessories ted to suit copper equired. on with lumen tube 6.000 6.000		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 10% . Led Tube set Total OD167335/2023-2 Providing and fixit connections etc. as	ectly on wing connected conformation of the co	all or ceiling ction with rening to relevable ctronic balfactor greate a X 5 mm cog. As per Data	mm thickness with PVC required length ant ISS and glast suitable rethan 0.98, I	ss complete vound block in of 16/0.20n giving connection continuo RoHS complete Control Quanta surface or in	with all acceptable pain and a corections as rous operations, high	cessories ted to suit copper equired. on with lumen tube 6.000 6.000		
	and lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 10% . Led Tube set Total OD167335/2023-2 Providing and fixit connections etc. as	ectly on wing connected conformation of the APF of the conformation of the conformatio	all or ceiling ction with rening to relevable ctronic balfactor greate a X 5 mm co. As per Data for earthing	mm thickness with PVC required length ant ISS and glast suitable rethan 0.98, I	ss complete vound block in of 16/0.20n giving connection continuo RoHS complete Control Quanta surface or in	with all acceptable pain and a corections as rous operations, high	cessories ted to suit copper equired. on with lumen tube 6.000 6.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
11.00	OD167336/2023-2	2024								
4	25mm PVC Conductions and the same in a Electrical-1.21.2.	n accessori	es in surface	/ recessinclu	ding cutting	the wall a	nd making			
	25 mm pvc condu	it								
		1.0000	6.000				6.000			
	Total						6.000			
				Tota	al Quantity	in metre	6.000			
11.00	OD167337/2023-2	2024								
5	Wiring with 3x 4 s drawing following the existing surface databook DAR Ele	g sizes of F e / recessed ectrical-1.	RLS PVC in d steel/ PVC	isulated copp	per conducto	r, single c	ore cable in			
	From Main DB to	1.0000	AN							
		1.0000	6.000				6.000			
	Total			3-10			6.000			
				Tota	al Quantity	in metre	6.000			
11.00	OD167338/2023-2	2024	e-PLATFOR	M FOR THE M	ANAGEMENT					
6	12 Way MCB DB neutral, sheet steel tinned copper bus painted including Double door. As p	l, MCB dis bar, neutra earthing et	stribution bo al bus bar, ea c. as require	ard, 240 V, c arth bar, din l d. (But with	on surface/red oar, intercont out MCBIRC	cess, comp nections, p	olete with bowder			
	12 way MCB DB									
		1.0000					1.000			
	Total	, , , , , , , , , , , , , , , , , , ,					1.000			
				r	Total Ouant	ity in no	1.000			
11.00	OD167339/2023-2									
7	SPN 5-32A MCB- " C" cu following poles in commissioning etc Electrical-2.10.2.	Supplying arve, miniathe existing	ature circuit of MCB DB	breaker suita complete wi	ble forinduction	tive load ones, testing	of g and			
	MCB 5 -32 A									
	1MCD 3 -32 A									
	WCD 3 -32 A	2.0000					2.000			
	Total						2.000 2.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
11.00	OD167340/2023-2	2024				-			
8	DP Isolator 40A - isolator in the exis commissioning etc	ting MCB	DB comple	te withconne	ections, testin	g and			
	DP Isolator 40A								
		1.0000					1.000		
	Total			•			1.000		
				!	Total Quant	ity in no	1.000		
11.00	OD167341/2023-2	2024							
9	RCCB DP 40A - S neutral), 240 volts current circuitbrea the existing MCB required. 40 amps As per Databook I RCCB DP 40A	, residual ker (RCC DB comp	B), having a lete with cor	sensitivity connections, tes	urrent upto 3	00 milliar	nperes in		
	INCODE TOTAL	1.0000					1.000		
	Total			711			1.000		
					Total Quant	ity in no	1.000		
11.01	OD167342/2023-2024								
0	Wiring for light p FRLS PVC insulated coppered conduit, with modular switt sq.mm. FRLS PVC insulated cop Databook DAR El	onductor sich, modul	ingle core ca ar plate, suit	able in surfac	e / recessed i	medium c	lass PVC		
	Wiring light/fan p	oints with	1.5 sqmm v	wire					
		14.000 00					14.000		
	Total						14.000		
				To	tal Quantity	in point	14.000		
11.01	OD167343/2023-2	2024							
1	Earthing with coppaccessories, and prarrangement and vrequired. As per D	per earth providing n	nasonry encl ipe of 2.7 me	osure with ce etre long etc.	over plate ha	ving locki	ng		
	Earting with copp								
		2.0000					2.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Total						2.000		
				ŗ	Fotal Quant	ity in set	2.000		
	OD167344/2023-2	2024							
2	Expenses of gettin service charges, er				3 including d	ocumenta	tion fee,		
	Electrical connecti	on expen	ses						
		1.0000					1.000		
	Total								
				7	Total Quanti	ty in job	1.000		
11.01	1 OD167345/2023-2024								
3	Supply, conveyand 300/305mm sweet good the damages	in metal	frame worki	ng on 230V	A/C 300 swe	ep includ			
	Exhaust Fan for Pl	Н	- 68						
		2.0000					2.000		
	Total			316			2.000		
		M		< 11.	Total Quant	ity in no	2.000		
11.01	OD167346/2023-2	2024	e-PLATFOR	M FOR THE M	IANAGEMENT	-			
4	Supply conveyanc street/Yard light of protection with LE 0.95 at full load, in powder coated hou greater than 0.98 F compartment shou Certificate from N manufacturer)	ut put greated the chip maternal sure acry acry 80HS com	ater than 105 take cree/Lurge protection liccover compliant duly varately access	lumen/watts milled/Niche n up to 8 kv a pplete with T wired up for sible for mai	4000-6000K a with power and alluminion (HD less than use on 230v ntanance(LM	With IP6 factor greum preasunt 10% pow AC supply 179&	6 eater than ere die cast ere factor y.Driver		
	Yard Light			<u> </u>	Г	Г			
		4.0000 0					4.000		
	Total						4.000		
				1	Total Quant	ity in no	4.000		
11.01	OD167347/2023-2	2024							
5	Supply, delivery a working on single conditions for lifting supplied with one per the instruction	girder wing the chest of cran	th overhead temicals, Chlone slings with	travelling tro orine, pumps h GI D shack	lley and clea etc and fitt tle and clamp	r lift as pe ing as requ	er site uired,		
					I				
		1.0000					1.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total		1.000							
		ity in no	1.000							
12	Electrification works and Supply erection testing and commissioning of pump sets at Poopara									
12.00	OD167315/2023-2	2024								



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
51110	Supply, erection & marked centrifuga maximum efficien stainless steel shaf suitable fully Autocurrent protection lamps, voltmeter, a set including neces return & amp; sluic regulations & amp;	camp; com l pumpset cy workin t, CI/SS p omatic sta relay, MS ammeter, ssary copp ce valves,	nmissioning having a 15 ag at 230/415 aump casing a ter with dry banel board change over ber cable for suction & am	of best qualicates of best qualicates of the LPS discharates of the LPS discharates of the LPS discharged of t	ty KWA app ge against 14 1450 rpm wi type base pl oltage, over 18 8, ELCB, Cap uitable for the ting, suitable connections e	roved mal 45 M head th bronze ate, include voltage & pacitor, In e above m size GM/ etc as per 1	ke ISI l at its impeller, ding amp; over dicator lotor pump CI non ISI and IE
	per the direction of documentation is received, testing with Bronze/SS implate with coupling for coupling the puincluding providing metal etc complete 145m, Speed -1460	f dept. off required, t and commander, S g ,coupling amp and r g suitable e the duty	hat should be nissioning of S shaft and Og guard foun motor above c concrete for condition is	ears of free be arranged by Kirloskar re I pump casi dation bolts the base< and ation incl	maintenance, y the supplier puted make ng with suita and nuts etc. or>plate e uding cost of	If any r.A). PUM centrifugable type complete tc complete f cement,	IP:- Supply all pumpsets of base suitable ste sand and
	(B). MOTOR:- supmake horizontal sofor the above pumy V / 3300 V. The reproviding suitable complete. Flexible (C). STARTER:- Swound auto transfer thick steel sheath cassociated with infor controlling fun above motor - L&a	pply, erecollid shaft p working notor shall concrete coupling upply, erecormer have dust and vertically out cable ctions of amp;T or	ction, testing foot mounted 3 phase 50 ld confirm to foundation in shall be used ection, testing 40,60,80 formin proof entry boxes the the fully equivalent residuals.	I TEFC squa IZ AC suppl IE2/IE3 as p cluding cost d for coupling g and commi by taping mo floor mounted for accommo automatic au eputed co. ma	ral cage indu y, working y er IS 12615- t of cement, s g of pumps a assioning of counded with p ed control culodating the fo to transformake MNX 22	action mot voltage&l 2018 inclusion and and rand motor dry type copowder copowder copowder copowder copowing per starter. 5 contactors	for suitable t;br>415 uding metal etc s opper oated 2 mm el oarameters suitable for or unit -1
	supervisory trip re single phasing pre- trip &	lay 1 No oventer AV se indication with 2 stragg; ARD :- So fabricate a suitable or inter contact.	OV/UV cont /F digital me on lamps, Di 5 x 4mm PV upply, erection d dust and ver rating of 3 p	rol relays Mitter 1 No and gital or num C sleeve instance on, testing and ermin proof coole MCCB appears and the min proof coole min proof coole MCCB appears and the min proof coole MCCB appears a	nilac or equi selector swi erical motor ulated copped d commission common cont as incomer production in the production incomer production in the p	valent Co tch - 1 set protection r bar and 2 ning of cu trol panel roviding s n 3 Nos of	make ON/Off or relay 2.5 sq.mm bical type board uitable size indicator
	complete and prov practice. the panel (E).CAl suitable size Alum panel board to star accessories from s (F). EARTHING: Supply of all mate wall /column/floor/buri motor,starter,panel	ided with shall be f BLING W inium conter and so tarter to n - rial and p ed (Appx	duplicate ea fitted on a cor /ORK:- Supp nductor armoutable size con notor.consider roviding dup	rth point as p mmon base foly, laying, to oured cables to able through ering energy licate earthing	per CEA regularization on suit esting and confor the above PVC pipe, conservation by 25 x 3r giving double	alation and able found mmission pump set flexible has <br&g mm coppe</br&g 	d code of dation ing of t from lose and et; r strip on

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	 (G).CAPACITOR Supply,erection,te; capacitor for the al confirm to IS 2834 (H).VALVE:- Sup fanged sluice valve shall include propes suction pump set se repair works. Press (I).SUCTION AN suitable size best of 8 m (approx). suita connecting the suct and bolts IR sheet 150mm MS pipe of vales and suitable	sting and bove mote 4 & lt; br& poly of suite and Nor er RCC subluice valvesure gauge D DELIV quality Mable for the tion pipe etc. compof thickness	or to get unit gt; table size be return valve apport especive should be e on both successive of thicker above puriof size 200m of size 200m of size and constant in the siz	y p st quality hea e with suitable ally for Non in suction as ction and del CONNECTION kness not less in set and suitan MS and venting the dan an 8 mm for	avy duty ISI le pressure ra return valves well as delivivery side &l DNS:- Supply ss than 8 mm itable size for alve with suilelivery side a total length	Marked Cating.fitting.fitting.s. In case type sides type and fitting for a total tot	I double g of valves of positive for easy clt;br> ng of l length of nd ges, nut np with
	Poopara to Erach	ilpara	- E				
		2.0000		A STAN			2.000
	Total			316			2.000
		V		< 1L	Total Quant	ity in no	2.000
12.00 2	OD167316/2023-2	2024	e-PLATFOR OF PUBLIC	M FOR THE M WORKS	ANAGEMENT		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
Sl No	Supply, erection & marked centrifugal maximum efficien stainless steel shaf suitable fully Autocurrent protection lamps, voltmeter, a set including neces return & amp; sluid regulations & amp; per the direction of documentation is r Supply, erection, pumpsets with Brobase plate with consuitable for coupling including providing metal etc completed 180m, Speed - 1460 (B). MOTOR: - supply and with a supply with a suitable for completed 180m, Speed - 1460 (B). MOTOR: - supply with a supply w	camp; conditional pumpset cy working to the cy working and the pumpset of the cy working and the cy working and the cy working notor shall concrete coupling upply, errormer have to the cy working and the	nmissioning having a 3 Ing at 230/415 pump casing reter with dry panel board change over per cable for suction & andard and efficers and 2 years and a commission peller, SS supling guard mp and moto concrete for condition is eight before the foundation in shall be use ection, testing foundation in shall be use ection, testing 40,60,80 permin proof entry boxes the the fully equivalent recommendation of the foundation of the fully equivalent recommendation of the fully equivalent recommendation in the full equivalent recommendation in the f	of best quality. PS discharg V at 50 Hz, with suitable run, under volume with MCCE switch etc swiring, earth ap; delivery of rected & amprears of free period arranged by oning of Kirl shaft and CI foundation for above the bundation inclused for coupling and commisting and commistend and commisting and commistant and commisting and commisting and com	ty KWA appe e against 180 1450 rpm wintype base plottage, over to a ELCB, Capitable for the sing, suitable connections experience of the supplier oskar reputed pump casing bolts and nutrous each transform of Kral cage indury, working year IS 12615-cof cement, so gof pumps a ssioning of counded with ped control curodating the fot to transformake MNX 22 ctor unit- 2 N nilac or equiselector swi	roved male of M head at the bronze ate, include voltage & pacitor, In eabove mand size GM/etc as per lenducted for any r. A). Put d make ce with suitas etc. compatible at the following set and and read motor dry type copowder cobical paner of the sand and read motor dry type	ke ISI at its impeller, ding amp; over dicator notor pump (CI non ISI and IE for 7days as UMP:- entrifugal able type of aplete complete sand and lead - eputed for suitable t;br>415 uding metal etc s opper oated 2 mm el parameters suitable for or unit -1 and make ON/Off
	above motor - L&a No L&T or ed supervisory trip re- single phasing pre- trip & 3 phas Power Circuit wiri	amp;T or quivalent lay 1 No (venter AV se indicati ng with 2	equivalent re Co make MI OV/UV cont /F digital me on lamps, Di	eputed co. ma NX 95 contact rol relays Miter 1 No and gital or num	ake MNX 22 ctor unit- 2 N nilac or equi selector swi erical motor	5 contactors to Timer valent Cotch - 1 set protection	or unit -1 and make ON/Off n relay
	control wiring <. (D).PANNEL BO. floor mounted MS consisting of 1 No Aluminium bus ba lamps, 1 No. volt i complete and prov practice. the panel (E).CAl suitable size Alum panel board to star accessories from s (F). EARTHING:	sbr> ARD:-So fabricate . suitable r inter con neter with ided with shall be f BLING W inium con ter and so tarter to n	upply, erection d dust and volume arting of 3 punnect the about the about the about the duplicate eartited on a column armoultable size of the duplicate armoultable size of the dust of t	on, testing and ermin proof coole MCCB at ove MCCB at itch, 1 No. A rth point as pummon base foly, laying, to oured cables table through	d commission common contact incomer production of fitted with meter with the cer CEA regularization on suit esting and cofor the above PVC pipe,	ning of cu trol panel roviding s a 3 Nos of a selector alation and able found mmission pump set flexible h	abical type board uitable size f indicator switch etc. d code of dation ing of t from
	Supply of all mate wall /column/floor/buri motor,starter,panel	rial and p ed (Appx	. 20 mtrs) in	ground and g	giving double	e earthing	to

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	 (G).CAPACITOR Supply,erection,ter capacitor for the al confirm to IS 2834 (H).VALVE:- Sup fanged sluice valve shall include propes suction pump set s repair works. Press (I).SUCTION AN suitable size best of 8 m (approx). suita connecting the suction and bolts IR sheet 150mm MS pipe of vales and suitable	sting and bove mote & & lt; br & poly of suite and Nor er RCC suluice valvesure gauge D DELIV puality Matter for the etc. compost thickness	or to get unity gt; table size be a return valve apport especi e should be e on both suc ERY PIPE Co pipe of thic e above pum of size 200m olete and con ss not less the	y pst quality head with suitable ally for Nonin suction as etion and deliconnection with the set and suitant MS and vecting the dan 8 mm for	e pressure ra return valves well as delivivery side &l DNS:- Supply st than 8 mm table size for alve with sui elivery side a total lengt	Marked Cating.fitting. In case of the cate at the cate	I double g of valves of positive for easy elt; br> ag of l length of ad ges, nut ap with
	Poopara to Magna	n Peak	-6				
	Toopara to magne	2.0000		04171			2.000
	Total	0					2.000
		M			Total Quant	ity in no	2.000
	Supply, conveyand following types mand lamps etc. dire the fitting and givi conductor flex wir 1x28wT5 fitting w THD less than 109	ade of CR ectly on wang connected the conformation of the conforma	CA with 0.5 all or ceiling ction with reading to relevable ctronic bal	mm thicknes with PVC required length ant ISS and g last suitable	es complete very sound block in a of 16/0.20m giving connection continuo	with all accently pain 3 corections as reus operations.	cessories ted to suit copper equired. on with
	Led Tube set						
	Lea Tube Set	6.0000					
	7D 4 1						6.000
	Total						6.000
10.00		2024		,	Total Quant	ity in no	
12.00	OD167318/2023-2 Providing and fixing connections etc. as	ng 25 mm	X 5 mm co _l . As per Data	oper strip on	surface or in	recess for	6.000
	OD167318/2023-2 Providing and fixing	ng 25 mm s required oper strip	. As per Data	oper strip on	surface or in	recess for	6.000
	OD167318/2023-2 Providing and fixing connections etc. as	ng 25 mm s required	. As per Data	oper strip on	surface or in	recess for	6.000
	OD167318/2023-2 Providing and fixing connections etc. as	ng 25 mm s required oper strip	. As per Data for earthing	oper strip on	surface or in	recess for	6.000 6.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
12.00	OD167319/2023-2	2024					
5	25mm PVC Conductions and the same in a Electrical-1.21.2.	n accessori	es in surface	/ recessinclu	ding cutting	the wall a	nd making
	25 mm pvc condu	it				·	
		1.0000	6.000				6.000
	Total						6.000
				Tot	al Quantity	in metre	6.000
12.00	OD167320/2023-2	2024					
6	Wiring with 3x 4 s drawing following the existing surface databook DAR Electron Main DR to	g sizes of F e / recessed ectrical-1.	RLS PVC in d steel/ PVC	isulated copp	per conducto	r, single c	ore cable in
	From Main DB to	1.0000	AN				
		1.0000	6.000	Market Control			6.000
	Total			3-10			6.000
				Tot	al Quantity	in metre	6.000
12.00	OD167321/2023-2	2024	e-PLATFOR	M FOR THE M	IANAGEMENT		
7	12 Way MCB DB neutral, sheet steel tinned copper bus painted including Double door. As p	l, MCB dis bar, neutra earthing et	stribution bo al bus bar, ea c. as require	ard, 240 V, c arth bar, din l d. (But with	on surface/red bar, intercont out MCBIRC	cess, comp nections, p	olete with bowder
	12 way MCB DB						
		1.0000					1.000
	Total						1.000
	1			,	Total Quant	ity in no	1.000
12.00	OD167322/2023-2	2024			Total Qualit	ity iii iio	1.000
8	SPN 5-32A MCB- "C" cu following poles in commissioning etc Electrical-2.10.2.	Supplying arve, miniathe existing	ature circuit of MCB DB	breaker suita complete wi	ble forinduction	tive load ons, testing	of g and
	MCB 5 -32 A						
	MCB 5 -32 A	2.0000					2.000
	MCB 5 -32 A Total						2.000 2.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
12.00	OD167323/2023-2	2024			-	-			
9	DP Isolator 40A - isolator in the exis commissioning etc	ting MCB	DB comple	te withconne	ections, testin	g and			
	DP Isolator 40A								
		1.0000					1.000		
	Total						1.000		
	Total Quantity in no								
12.01	OD167324/2023-2	2024							
0	RCCB DP 40A - S neutral), 240 volts current circuitbrea the existing MCB required. 40 amps As per Databook I RCCB DP 40A	, residual ker (RCC DB comp	B), having a lete with cor	sensitivity connections, tes	urrent upto 3	00 milliar	nperes in		
		1.0000					1.000		
	Total			7 11			1.000		
		_			Total Quant	ity in no	1.000		
12.01	OD167325/2023-2	2024	OF PUBLIC	WORKS					
1	Wiring for light p FRLS PVC insulated coppered conduit, with modular switt sq.mm. FRLS PVC insulated cop Databook DAR El	onductor sich, modul	ingle core ca ar plate, suit	able in surfac	e / recessed a	medium c	lass PVC		
	Wiring light/fan p	oints with	1.5 sqmm v	vire	T	· · · · · · · · · · · · · · · · · · ·			
		14.000 00					14.000		
	Total						14.000		
				To	tal Quantity	in point	14.000		
12.01	OD167326/2023-2	2024							
2	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. As per Data book Electrical 5.6								
	Earting with coppe								
		1.0000					1.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						1.000
				r	Fotal Quant	ity in set	1.000
	OD167327/2023-2	2024					
3	Expenses of gettin service charges, er				B including d	ocumenta	tion fee,
	Electrical connecti	on expen	ses				
		1.0000					1.000
	Total						1.000
				7	Total Quanti	ty in job	1.000
12.01	OD167328/2023-2	2024				-	
4	Supply, conveyand 300/305mm sweep good the damages	in metal	frame worki	ng on 230V	A/C 300 swe	ep includ	
	Exhaust Fan for Pl	Н				1	
		2.0000					2.000
	Total			716			2.000
		M		Z II.	Total Quant	ity in no	2.000
12.01	OD167329/2023-2	2024	e-PLATFOR	M FOR THE M	IANAGEMENT		
5	Supply conveyanc street/Yard light of protection with LE 0.95 at full load, in powder coated hou greater than 0.98 F compartment shou Certificate from N manufacturer)	ut put greated the chip maternal sure acry acry 80HS com	ater than 105 ake cree/Lurge protection liccover compliant duly varately access	lumen/watts milled/Niche n up to 8 kv a pplete with T wired up for sible for mai	4000-6000K a with power and alluminion (HD less than use on 230v ntanance(LM	With IP6 factor greum preasun 10% pow AC supply 179&	ater than are die cast ver factor y.Driver
	Yard Light				Г		
		4.0000 0					4.000
	Total						4.000
				1	Total Quant	ity in no	4.000
12.01	OD167330/2023-2	2024					
6	Supply, delivery a working on single conditions for lifting supplied with one per the instruction	girder wing the chest of cran	th overhead temicals, Chlone slings with	travelling tro orine, pumps h GI D shack	lley and clea etc and fitt tle and clamp	r lift as pe ing as requ	er site uired,
					I		
		1.0000					1.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total	otal								
		Total Quantity in no								
13	Electrification wor Jamespadi	ks and Su	ipply erection	n testing and	commission	ing of pur	mp sets at			
13.00	OD167348/2023-2	2024								



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
Sl No	Supply, erection & marked centrifuga maximum efficien stainless steel shaf suitable fully Autocurrent protection lamps, voltmeter, a set including neces return & amp; sluic regulations & amp; per the direction of documentation is r Supply, erection, pumpsets with Brobase plate with consuitable for coupling including providing metal etc completed 140m, Speed - 1460 (B). MOTOR:- supply make horizontal sofor the above pumpsets of the speed supplemental sofor the above pumpsets with supplemental sofor the above pumpsets with supplemental sofor the above pumpsets with supplemental supplem	camp; condition promised pumpset by working the CI/SS promatic state and the cammeter, assary copple valves, assary copple valves, assary copple valves, assary copple valves, assary copple testing an appling and the promatical promatical transfer	nmissioning having a 17 ag at 230/415 pump casing reter with dry panel board change over per cable for suction & andard and efficers and 2 years and a commission peller, SS supling guard mp and moto econcrete for condition is c;br> etion, testing foot mounted 3 phase 501	of best quality LPS dischartov at 50 Hz, with suitable run, under voluments with MCCE switch etc su wiring, earth ap; delivery of crected & amprears of free arranged by poning of Kirl shaft and CI foundation for above the bundation includes follows disparent and commission of the complex of	ty KWA app ge against 14 1450 rpm wi type base pl oltage, over 18 8, ELCB, Cap itable for the ing, suitable connections e or, trial run comaintenance by the supplier oskar reputer pump casing bolts and nut base <br&g uding cost of ischarge - 17 ssioning of K ral cage indu y, working</br&g 	roved mal 40 M head th bronze ate, include voltage & pacitor, In e above m size GM/ etc as per londucted f . If any r. A). P d make ce with suita s etc. come gt;plate etc f cement, lps, total	ke ISI l at its impeller, ding amp; over dicator notor pump CI non ISI and IE for 7days as UMP:- entrifugal able type of able type of able type of plete c complete sand and head - eputed tor suitable t;br>415
	metal etc complete 140m,Speed -1460 (B). MOTOR:- sup make horizontal so	e the duty of rpm, ≤ oply, erecollid shaft p working notor shall concrete coupling upply, erecorder have dust and vertices of amp; T or quivalent lay 1 No venter AV se indication ng with 2 chr> ARD:- So fabricate conter with ided with shall be f BLING W inium conter and s tarter to no	condition is c;br> ction, testing foot mounted 3 phase 50 ll confirm to foundation in shall be used to the fully equivalent reference to make MIOV/UV conto a for the fully equivalent reference to make MIOV/UV conto a for the fully equivalent reference to make MIOV/UV conto a for the fully equivalent reference to make MIOV/UV conto a for the fully equivalent reference to for the fully experience to fully experience to for the fully experience to fully experience	as follows distance and commission of the commis	ssioning of Kral cage indu y, working er IS 12615- to of cement, sign of pumps a assioning of counded with ped control cubating the foot transform ake MNX 22 etor unit- 2 Nanilac or equilated copped commission community and fitted with the community of the common control in the co	lps, total cirloskar rection mot voltage&l 2018 inches and and read motor dry type copowder cobical panel ollowing per starter. 5 contacto to Timer valent Cotch - 1 set protection and and reviding set and 2 ming of cutrol panel roviding set as Nos of a selector alation and able found mmission apump set flexible h	eputed tor suitable t;br>415 uding metal etc s opper oated 2 mm el parameters suitable for or unit -1 and o make to ON/Off in relay 2.5 sq.mm ubical type board uitable size f indicator switch etc. d code of dation ting of t from nose and
	Supply of all mate wall /column/floor/buri motor,starter,panel	ed (Appx	. 20 mtrs) in	ground and g	giving double	e earthing	to

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	 (G).CAPACITOR Supply,erection,test capacitor for the all confirm to IS 2834 (H).VALVE:- Sup fanged sluice valve shall include propes suction pump set s repair works. Press (I).SUCTION ANI suitable size best q 8 m (approx). suita connecting the suct and bolts IR sheet 150mm MS pipe of vales and suitable	sting and cove moto label; brack grade Noner RCC subject of the property of the property of thickness and the property of thickness on the property of	or to get unit gt; table size be return valve apport especive should be e on both such ERY PIPE (Spipe of thice above pum of size 200m olete and conss not less the	y pst quality here with suitable ally for Non in suction as ection and del CONNECTION set and sum MS and ynecting the can 8 mm for	avy duty ISI le pressure ra return valves well as delivivery side &l DNS:- Supply ss than 8 mm itable size for alve with sur lelivery side a total lengt	Marked Cating.fitting.fitting.s. In case exery sides at; br> and fitting for a total ot valve a stable flan of the pun	I double g of valves of positive for easy elt;br> ng of l length of nd ges, nut np with
	at Jamespadi Pum			W/L			
		2.0000	A IS				2.000
	Total	, ,					2.000
				3 -11	Total Quant	ity in no	2.000
13.00	OD167349/2023-2	2024					
2	Supply & Supply, conveyand following types may and lamps etc. direct the fitting and giving conductor flex wire 1x28wT5 fitting was THD less than 10%.	ce installa ade of CR ectly on w ng connec e conform ith APF e	tion testing a CA with 0.5 call or ceiling ction with re- ning to releva- electronic bal	and commiss from thickness g with PVC r quired length ant ISS and g llast suitable	ioning the light so complete wound block in of 16/0.20ng connection for continuo	with all acheatly pain m 3 core ctions as rus operati	cessories ited to suit copper equired. on with
	Led Tube set			T			
		6.0000 0					6.000
	Total						6.000
					Total Quant	ity in no	6.000
13.00	OD167350/2023-2	2024					
3	Providing and fixing connections etc. as	required.	. As per Data	pper strip on abook DAR l	surface or in Electrical-5.1	recess fo	r
	25mm x 5 mm cop		for earthing	T	T		
		1.0000	8.000				8.000
	Total						8.000
l				Tot	al Quantity	in metre	8.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
13.00	OD167351/2023-2	2024					
4	25mm PVC Conductions and a same in a good the same in a Electrical-1.21.2.	accessori	ies in surface	e/ recessinclu	ding cutting	the wall a	and making
	25 mm pvc condui	it					
		1.0000	6.000				6.000
	Total						6.000
				Tot	al Quantity	in metre	6.000
13.00	OD167352/2023-2	2024					
	Wiring with 3x 4 s drawing following the existing surface databook DAR Ele From Main DB to	sizes of F e / recessed ectrical-1.	FRLS PVC in d steel/ PVC	nsulated cop	per conductor	r, single c	ore cable in
	FIOIII Maiii DB to	1.0000	A PA				
		0	6.000				6.000
	Total			3-10			6.000
	Total		P	Tot	al Quantity	in metre	6.000 6.000
_	Total OD167353/2023-2	2024	e-PLATFOR	Tot		in metre	
13.00		240V -Su l, MCB dis bar, neutra earthing e	upplying and stribution bo al bus bar, ea tc. as require	I fixing follo ard, 240 V, o arth bar, din ed. (But with	wing way, sing on surface/reconstant, interconstant MCBIRC	ngle pole cess, comp	and plete with powder
_	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including	240V -Su l, MCB dis bar, neutra earthing e	upplying and stribution bo al bus bar, ea tc. as require	I fixing follo ard, 240 V, o arth bar, din ed. (But with	wing way, sing on surface/reconstant, interconstant MCBIRC	ngle pole cess, comp	and plete with powder
_	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p	240V -Su l, MCB dis bar, neutra earthing e	upplying and stribution bo al bus bar, ea tc. as require	I fixing follo ard, 240 V, o arth bar, din ed. (But with	wing way, sing on surface/reconstant, interconstant MCBIRC	ngle pole cess, comp	and plete with powder tor 12 way,
_	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p	240V -Su l, MCB dis bar, neutra earthing et er Databo	upplying and stribution bo al bus bar, ea tc. as require	I fixing follo ard, 240 V, o arth bar, din ed. (But with	wing way, sing on surface/reconstant, interconstant MCBIRC	ngle pole cess, comp	and plete with powder tor 12 way,
_	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p 12 way MCB DB	240V -Su l, MCB dis bar, neutra earthing et er Databo	upplying and stribution bo al bus bar, ea tc. as require	I fixing follo ard, 240 V, o arth bar, din ed. (But with ctrical-2.3.3.	wing way, sing on surface/reconstant, interconstant MCBIRC	ngle pole cess, comp nections, p CCB/Isola	and plete with powder tor 12 way,
6	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p 12 way MCB DB	240V -Su l, MCB dis bar, neutra earthing et er Databo	upplying and stribution bo al bus bar, ea tc. as require	I fixing follo ard, 240 V, o arth bar, din ed. (But with ctrical-2.3.3.	wing way, sin on surface/rec bar, intercont out MCBIRC	ngle pole cess, comp nections, p CCB/Isola	and plete with powder tor 12 way, 1.000
6	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p 12 way MCB DB	240V -Sul, MCB disbar, neutral earthing ender Databoo 1.0000 0	upplying and stribution bo al bus bar, eatc. as require ok DAR Ele g and fixing ature circuiting MCB DB	I fixing followard, 240 V, on the bar, din led. (But with ctrical-2.3.3.) 5 amps to 32 breaker suitation complete with the complete with	wing way, sing on surface/received bar, intercontout MCBIRC Total Quant amps rating, the forinduction of the connection in the connectio	ity in no	and plete with powder tor 12 way, 1.000 1.000 1.000 volts, of g and
6	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p 12 way MCB DB Total OD167354/2023-2 SPN 5-32A MCB- "C" cu following poles in commissioning etc.	240V -Sul, MCB disbar, neutral earthing ender Databoo 1.0000 0	upplying and stribution bo al bus bar, eatc. as require ok DAR Ele g and fixing ature circuiting MCB DB	I fixing followard, 240 V, on the bar, din led. (But with ctrical-2.3.3.) 5 amps to 32 breaker suitation complete with the complete with	wing way, sing on surface/received bar, intercontout MCBIRC Total Quant amps rating, the forinduction of the connection in the connectio	ity in no	and plete with powder tor 12 way, 1.000 1.000 1.000 volts, of g and
6	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p 12 way MCB DB Total OD167354/2023-2 SPN 5-32A MCB- "C" cu following poles in commissioning etc Electrical-2.10.2.	240V -Sul, MCB disbar, neutral earthing ender Databoo 1.0000 0	upplying and stribution bo al bus bar, eatc. as require ok DAR Ele g and fixing ature circuiting MCB DB	I fixing followard, 240 V, on the bar, din led. (But with ctrical-2.3.3.) 5 amps to 32 breaker suitation complete with the complete with	wing way, sing on surface/received bar, intercontout MCBIRC Total Quant amps rating, the forinduction of the connection in the connectio	ity in no	and plete with powder tor 12 way, 1.000 1.000 1.000 volts, of g and AR
6	OD167353/2023-2 12 Way MCB DB neutral, sheet steel tinned copper bus painted including of Double door. As p 12 way MCB DB Total OD167354/2023-2 SPN 5-32A MCB- "C" cu following poles in commissioning etc Electrical-2.10.2.	240V -Sul, MCB disbar, neutral earthing ender Databoo 1.0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	upplying and stribution bo al bus bar, eatc. as require ok DAR Ele g and fixing ature circuiting MCB DB	I fixing followard, 240 V, on the bar, din led. (But with ctrical-2.3.3.) 5 amps to 32 breaker suitation complete with the complete with	wing way, sing on surface/received bar, intercontout MCBIRC Total Quant amps rating, the forinduction of the connection in the connectio	ity in no	and plete with powder tor 12 way, 1.000 1.000 1.000 volts, of g and

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	OD167355/2023-2	2024							
8	DP Isolator 40A - isolator in the exis commissioning etc	ting MCB	DB comple	te withconne	ections, testin	g and			
	DP Isolator 40A								
		1.0000					1.000		
	Total						1.000		
				1	Total Quant	ity in no	1.000		
13.00	OD167356/2023-2	2024							
9	RCCB DP 40A - S neutral), 240 volts current circuitbrea the existing MCB required. 40 amps As per Databook I RCCB DP 40A	, residual ker (RCC DB comp	B), having a lete with cor	sensitivity connections, tes	urrent upto 3	00 milliar	nperes in		
	INCODE TOTAL	1.0000					1.000		
	Total			711			1.000		
					Total Quant	ity in no	1.000		
13.01	OD167357/2023-2	2024	OF PUBLIC			•			
0	Wiring for light p FRLS PVC insulated coppered conduit, with modular swit sq.mm. FRLS PVC insulated cop Databook DAR El	onductor sich, modul	ingle core ca ar plate, suit	able in surfac	e / recessed i	medium c	lass PVC		
	Wiring light/fan	points with	h 1.5 sqmm	wire					
		14.000	·				14.000		
	Total						14.000		
				To	tal Quantity	in point	14.000		
13.01	OD167358/2023-2	2024							
1	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. As per Data book Electrical 5.6								
	Earting with coppe								
		1.0000					1.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						1.000			
				r	Total Quant	ity in set	1.000			
	OD167359/2023-2	2024								
2	Expenses of gettin service charges, er				3 including de	ocumentat	tion fee,			
	Electrical connecti	ectrical connection expenses								
		1.0000								
	Total									
				7	Total Quanti	ty in job	1.000			
13.01	OD167360/2023-2	2024								
3	Supply, conveyand 300/305mm sweep good the damages	in metal	frame worki	ng on 230V	A/C 300 swe	ep includi	an of ing making			
	Exhaust Fan for Pl					Г				
		2.0000					2.000			
	Total			316			2.000			
		V		T IL	Total Quant	ity in no	2.000			
13.01	OD167361/2023-2	2024	e-PLATFOR	M FOR THE M	IANAGEMENT					
4	Supply conveyanc street/Yard light of protection with LE 0.95 at full load, in powder coated hou greater than 0.98 F compartment shou Certificate from N manufacturer)	ut put greated by the control of the	ater than 105 ake cree/Lur ge protection liccover com apliant duly varately access	lumen/watts milled/Niche n up to 8 kv a pplete with T wired up for sible for mai	4000-6000K a with power and alluminion HD less than use on 230v ntanance(LM	With IP6 factor greum preasun 10% pow AC supply 179&	6 ater than re die cast ver factor y.Driver			
	Yard Light					Г				
		4.0000 0					4.000			
	Total						4.000			
				ı	Total Quant	ity in no	4.000			
13.01	OD167362/2023-2	2024								
5	Supply, delivery and fixing of 3 T or suitable capacity Electrically and manually working on single girder with overhead travelling trolley and clear lift as per site conditions for lifting the chemicals, Chlorine, pumps etc and fitting as required, supplied with one set of crane slings with GI D shackle and clamps etc. complete as per the instruction of the Engineer in charge. Lt; br>									
					<u>r </u>	· · · · · · · · · · · · · · · · · · ·				
		1.0000 0					1.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Total		1.000								
	Total Quantity in no 1.0										
14	Supply erection te	Supply erection testing and commissioning of pump sets at Poopara for magnapeak									
14.00 1	OD167977/2023-2	2024									



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Supply, erection &	amp;amp	; commissio	ning of best	quality KWA	approve	d make ISI		
	marked centrifugal pumps	et having	a 3 LPS disc	harge agains	t 176 M head	d at its ma	ximum		
	efficiency								
	working at 230/41 CI/SS	5 v at 50 i	Hz, 1450 rpn	i with bronze	e impelier, st	ainiess ste	eei snait,		
	pump casing with with dry	suitable ty	pe base plat	e, including	suitable fully	Automat	ic starter		
	run, under voltage, over voltage & mp; amp; over current protection relay, MS panel								
	board with MCCB, ELCB, Capacitor, Indicator lamps, voltmeter, ammeter, change over switch								
	etc suitable								
	for the above motor pump set including necessary copper cable for wiring, earthing, suitable								
	size GM/CI non re connections etc as		p;amp; sluic	e valves, suc	tion &a	mp; deliv	ery		
	and IE regulations	&an	np; KSEB sta	andard and e	rected & amp	;amp; tria	l run		
	conducted for 7day per the direction of		icers and 2 v	ears of free i	maintenance	If any			
	documentation is r	equired, t	hat should be	e arranged by	the supplier	r. A). PUN	MP:-		
	Supply, erection, commissioning of			re centrifugal	l numpsets w	ith Bronz	e/SS		
	impeller, SS			-					
	shaft and CI pump guard	casing w	ith suitable t	ype of base p	olate with coi	upling ,co	upling		
	foundation bolts an above the	nd nuts et	c. complete s	uitable for co	oupling the p	oump and	motor		
	base <br&a< td=""><th></th><td>te etc compl</td><th>ete including</th><td>providing s</td><th>uitable co</th><th>ncrete</th></br&a<>		te etc compl	ete including	providing s	uitable co	ncrete		
	foundation includi cost of cement, sa		etal etc comr	alete the duty	condition is	as follow	s discharge		
	- 3 lps,					<i>as</i> 10110 w	s discharge		
	total head - 176m, (B). MOTOR:- sup					Girloskar r	enuted		
	make				<u> </u>		-		
	horizontal solid sh the above	aft foot m	ounted TEF	c squaral cag	ge induction	motor sun	table for		
	pump working 3 pilong	hase 50H	Z AC supply	, working vo	oltage&	lt;br&	o;gt;415 V /		
	motor shall confire	m to IE2/I	E3 as per IS	12615-2018	including pr	oviding s	uitable		
	concrete foundation includi	ng cost of	cement san	d and metal (etc complete	Flexible	counling		
	shall be				-	. I lexible	couping		
	used for coupling (C).STARTER:- S					dry type co	opper		
	wound auto				· ·	• • •			
	transformer having sheath	g 40,60,80	1% taping mo	ounded with j	powaer coate	ea 2 mm t	nick steel		
	dust and vermin pr	roof floor	mounted cor	ntrol cubical	panel associa	ated with	in/out cable		
	entry boxes for accomm	odating th	ne following	parameters f	or controllin	g function	s of the the		
	fully automatic auto trai	nsformer	starter suital	ole for above	motor - I &:	amp:amp [,]	T or		
	equivalent reputed					p,			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	co. make MNX 22	5 contact	or unit -1 No	L&amı	p;T or equiva	alent Co n	nake MNX			
	95 contactor	1		.1 1 NJ. OX	7/T TX 7 4 1	1 1.4				
	unit- 2 Nos Timer equivalent	and super	rvisory trip re	elay 1 No OV	//UV control	relays M	inilac or			
	Co make single ph ON/Off	asing pre	venter AVF	digital meter	1 No and sel	lector swi	tch - 1 set			
	trip & samp; amp; 3, Power Circuit	phase inc	dication lamp	os, Digital or	numerical m	otor prote	ection relay			
	wiring with 25 x 4mm PVC sleeve insulated copper bar and 2.5 sq.mm control wiring									
	(D).PANNEL BOARD :- Supply, erection, testing and commissioning of cubical type floor									
	mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No.									
	suitable rating of 3 pole MCCB as incomer providing suitable size Aluminium bus bar inter									
	connect the above with	MCCB as	nd fitted with	3 Nos of inc	dicator lamps	s, 1 No. v	olt meter			
	selector switch, 1 l duplicate	No. Amm	eter with sele	ector switch	etc. complete	e and prov	vided with			
	earth point as per (common	CEA regu	lation and co	de of practic	e. the panel	shall be fi	tted on a			
	base frame on suit	able found	dation &	;lt; <mark>b</mark> r&g	gt;(E).CABL	ING WO	RK:-			
	Supply, laying, tes	ting								
	and commissioning above pump	g of suital	ble size Alun	n <mark>ınıu</mark> m condi	actor armour	ed cables	for the			
	set from panel boa	rd to start	er and suitab	le size cable	through PV	C pipe, fle	exible hose			
	accessories from s <br&< td=""><th>gt;</th><td>notor.conside</td><th>ering energy</th><td>conservation</td><th></th><th></th></br&<>	gt;	notor.conside	ering energy	conservation					
	(F). EARTHING: Supply of all mate wall		roviding dup	licate earthir	ng by 25 x 3n	nm coppe	r strip on			
	/column/floor/buri	ed (Appx	. 20 mtrs) in	ground and g	giving double	e earthing	to			
	motor, starter, panel & amp; lt; br& amp; g	gt;	c. and connec	et with existi	ng earthbus.	As per IE	standards			
	(G).CAPACITOR Supply, erection, ter		commissioni	ng suitable r	ating of of he	eavy duty	APP			
	capacitor for the above motor to confirm to IS 2834		<br&< td=""><th>amp;gt;pow</th><td>er factor . Th</td><th>ne capacit</th><th>or shall</th></br&<>	amp;gt;pow	er factor . Th	ne capacit	or shall			
	<br&< td=""><th>gt;</th><td></td><th></th><td></td><th></th><th></th></br&<>	gt;								
	(H).VALVE:- Sup fanged			1 2	, ,					
	sluice valve and N include	on return	valve with s	uitable pressi	ure rating.fitt	ing of val	lves shall			
	proper RCC supposet	rt especia	ally for Non 1	eturn valves	In case of p	ositive su	ction pump			
	sluice valve should	d be in suc	ction as well	as delivery s	ides for easy	repair wo	orks.			
	Pressure gauge on both suction an	d delivers	zside & amn.	lt·hr&amn·o	t·&amn·lt·hr.	&amn·ot·				
	(I).SUCTION AND suitable size									
L	Burmore Size									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	best quality MS pi suitable	pe of thic	kness not les	s than 8 mm	for a total le	ngth of 8	m (approx).		
	for the above pumsize 200mm MS and connecting								
	the delivery side of for a total	•	-	1 1					
	length of 8 m (approx), vales and suitable specials to connect with the pumping main Pumpset								
		4.0000					4.000		
	Total	ŭ j					4.000		
				r	Fotal Quant	ity in set	4.000		
14 00	OD168051/2023-2	2024			Total Qualit	ity iii see	1,000		
2	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 / KSE Electrical Inspectorate has to supply of materials will be re Energization approval from insp For avoiding CPOH 16	be obtaingle because of the objection because $6\% = 0.84$	ned before sunly on production approval *10000=840	pplying the oction of schess from KSEF	equipments.	Payment f	for the		
	Approval from Ele		spectorate						
		1.0000					1.000		
	Total						1.000		
				T	otal Quanti	ty in L.S	1.000		
15	Construction of pi	pe line bri	dge						
15.00	2.31								
1	Clearing jungle ind saplings of girth up removal of rubbish	p to 30 cm	n measured a	t a height of	1 m above g	round leve	el and		
	Clearing jungle								
		1.0000	10.000	1.000			10.000		
		1.0000	15.000	5.000			75.000		
	Total						85.000		
				Te	otal Quantit	y in sqm	85.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
15.00	2.8.1								
2	Earth work in excin foundation tren including dressing out the excavated of 50 m.All kinds	ches or dra g of sides a soil and di	ains (not exc and ramming	eeding 1.5 m of bottoms,	in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting		
		0.0000							
		9.0000	1.400	1.400	0.300		5.292		
	Total						5.292		
				To	tal Quantit	y in cum	5.292		
15.00	2.9.3 Excavation work I foundation trenche including dressing out the excavated of 50 m.Hard rock	es or drain g of sides a soil and di	s (not exceed and ramming isposal of sur	ding 1.5 m in of bottoms,	width or 10 lift up to 1.5	sqm on p m, includ	lan), ling getting		
			## W						
		9.0000	1.400	1.400	0.300		5.292		
	Total						5.292		
			e-PLATFOR OF PUBLIC	M FOR THE M WORKS T	tal Quantit	y in cum	5.292		
15.00 4		ing in posi	tion coment	concrete of a	nacified area	do ovoludi	ng the cost		
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)								
	Foundation for co	olumns							
		9.0000	1.400	1.400	0.250		4.410		
	Total						4.410		
	Total Quantity in cum								
15.00	OD182803/2023-2	2024		To	otal Quantit	y in cum	4.410		
15.00	OD182803/2023-2 Dowel Bar-Supply (0.5m in rock and 0.5m in concr cement grout (100kg/hole) etc.	ying and p	C	dowel bars	of size 20mn	n dia. of 1	m long.		
	Dowel Bar-Supply (0.5m in rock and 0.5m in concr cement grout	ying and prete) included	C	dowel bars	of size 20mn	n dia. of 1	m long.		
	Dowel Bar-Supply (0.5m in rock and 0.5m in concr cement grout	ying and p	C	dowel bars	of size 20mn	n dia. of 1	m long. gap with		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
15.00	5.1.2									
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size									
	RCC									
	Foundation basement	9.0000	1.200	1.200	0.350		4.536			
	step footing	9.0000	1.000	1.000	0.250		2.250			
	Total									
				To	tal Quantity	y in cum	6.780			
15.00	5.2.2									
	shuttering, finishin stone aggregate 20	mm nom	inal size)		1.5 00		. o graded			
	Column above foundation	9.0000	0.300	0.300	3.500		2.835			
	beam below slab	1.0000	32.000	0.300	0.500		4.800			
	cross beam	9.0000	0.600	0.300	0.500		0.810			
	top slab	1.0000	32.000	1.200	0.150		5.760			
	Total 14.20									
				To	tal Quantity	y in cum	14.205			
	5.22.1									
8	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelMild steel and Medium Tensile steel bars									
		1.0000	6.786+14	100.000			2099.100			
	0 .205 100.000									
	Total			r	Fotal Quant	ity in ka	2099.100 2099.100			
15.00	5.9.1				Lotai Qualit	ity iii Ng	2077,100			
9	Centering and shut				removal of fo	orm for:F	oundations			
	footings, bases of columns, etc for mass concrete									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	foundation	9.0000	1.2*4		0.350		15.120			
	Total						15.120			
				To	tal Quantit	y in sqm	15.120			
	5.9.3									
0	Centering and shuttering including strutting, etc. and removal of form for:Su floors, roofs, landings, balconies and access platform									
	beam	16.000	3.500	1.200			67.200			
	cross beam	9.0000	4.000	1.300			46.800			
	Total						114.000			
				To	tal Quantit	y in sqm	114.000			
_	13.7.1									
1	12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)									
			\Box	3-16		Г				
	column above foundation	9.0000	1.200	A EOR THE M	3.500		37.800			
	beam below slab	1.0000	32.000	1.000			32.000			
	cross beam sides	9.0000	1.000	0.600			5.400			
	top slab	2.0000	32.000	1.200			76.800			
	top slab side	1.0000	34.400	0.150			5.160			
	Total						157.160			
				To	tal Quantit	y in sqm	157.160			
_	10.26.3									
2	balcony railing, sta	Providing and fixing hand rail of approved size by welding etc. to steel ladder railin balcony railing, staircase railing and similar works, including applying priming coat approves steel primer.G.I. pipes								
		1.0000	128.000			3.6500	467.200			
	Total					00	467.200			
				7	Total Quant	ity in kg	467.200			
15.01	100.52.S.1			-		·,s)	2.720			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Sub Data for provious conveying and pla			nt bags inclu	iding cutting	of the Ea	rth, filling,		
	Ring bund (30*2*	2=120m3-	1 bag=0.025	(m3)					
		1.0000	30.000	2.000	2/0.025		4800.000		
	Total						4800.000		
	Total Quantity in each								
15.01	100.52.S.3								
4	Sub Data for Supplying, conveying and covering using best quality polythene sheet on bund to protect bund from seasonal changes.								
	Polythene sheet								
		1.0000	30.000	4.000			120.000		
	Total						120.000		
				To	otal Quantit	y in sqm	120.000		
15.01	100.52.S.5								
	disposing the dam officers including Temporary bund	aged cemerall cost of	labour charg	ges etc comp	lete.	of the dep			
		1.0000	30.000	2.000	2.000		120.000		
	Total						120.000		
				Total Quantity in cum 120.000					
15.01	100.7.1								
6	Bailing out water with 5HP engine and pump set including conveyance to the site, erecting, dismantling and taking back of engine and pump, cost of fuel lubricating oil and other stores pay of staff etc., complete.								
	Bailing out wate	r with 5H	P engine and	pump set					
		1.0000	10742.00 0				10742.00 0		
	Total						10742.00 0		
				То	tal Quantity	in Kwh	10742.00 0		
15.01	13.48.3								
7	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture								
	Painting								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	column above foundation	9.0000	1.200		3.500		37.800
	beam below slab	1.0000	32.000	1.000			32.000
	cross beam	9.0000	1.000				9.000
	top slab	2.0000	32.000	1.200			76.800
	top slab side	1.0000	34.400	0.150			5.160
	Total				·		160.760
				To	otal Quantity	in sqm	160.760

