GENERAL ABSTRACT

Jal Jeevan Mission (JJM)-WSS to Arakkulam and Velliyamattom (part) panchayath-Part II-Package III-Construction of 3.5 MLD water treatment plant and allied works at 12th mile.-General Civil Work

Sl No	Head Description	Amount
1	Construction of Aerator	643613.27
2	Raw water channel	778586.22
3	Flash Mixer	297143.67
4	Clariflocculator	5812836.17
5	Filter house	16553791.52
6	Filter media	503357.65
7	Back wash water tank	1469781.40
8	Clear water channel	503896.58
9	Clear water Sump, Pump house	6637367.64
10	Con. of Transformer room	2643743.93
11	General ground levelling and Road formation	1288221.36
12	Installation of Fire Hydrant	52542.45
13	Wash Water Arrangements to nearest safe drain/source after purification of wash water	317289.42
14	Construction of retaining wall near river side and compound wall	6637973.10
15	Mechanical and Electrical works	6219459.99
16	Water supply and Sanitary Arrangements	571503.17
17	Providing and setting up Laboratory	350000.00
18	Operation and Maintanance charges	1882949.25
	Total Estimation PAC	53164056.79
C	Extra Charges	
C.001	Provision for GST	
	53164056.79 18.00%	9569530.22
	Grand Total	62733587.01
	Round off	6412.99
	Rounded Total(Rs)	62740000.00
	Rupees Six Crore Twenty Seven Lakh Forty Thousand	

Approved By **Sajiv Retnakaran**(PEN:G13690), Chief Engineer

DETAILED ESTIMATE

Jal Jeevan Mission (JJM)-WSS to Arakkulam and Velliyamattom (part) panchayath-Part II-Package III-Construction of 3.5 MLD water treatment plant and allied works at 12th mile.-General Civil Work

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
1	Construction of A	erator									
1.001	2.31										
	Clearing jungle inc saplings of girth up removal of rubbish	p to 30 cn	n measured a	t a height of	1 m above g	round lev	el and				
	Clearing jungle										
	for land clearing	1	45.000	37.000			1665.000				
	Total		-63.				1665.000				
				T MARK	otal Quantit	y in sqm	1665.000				
1.002	20.1.3		Sept.	The Paris							
	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):500 mm dia piles										
	Providing 5001	mm dia.pi	le								
	RCC M25 grade pile of 500mm Dia.	5	5.600				28.000				
	Total						28.000				
				Tot	al Quantity	in metre	28.000				
1.003	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										
	Design mix N	1-25 , all		linth level		T					
	pile cap	5	0.800	0.800	0.800		2.560				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Plinth beam - radial-pile cap length deducted	-4	0.800	0.300	0.450		-0.432			
	Plinth beam - ring(3.14x(2.5+.4 5)x0.3x0.45	1	3.140	0.885	0.450		1.251			
	Total						3.379			
				To	tal Quantity	y in cum	3.379			
1.004	5.33.2									
	as per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exceseparately. All wor	of centerion ommended workabilitier - in-chess or less	ing, shutterin I proportions ty without in large. Note:- cement used	g, finishing a as per IS: 91 npairing strer Cement cont as per design	and reinforce 03 to acceler ngth and dura ent consider n mix is paya	ment, inc rate, retar ability as ed in this	luding d setting of per item is @			
			ll work above	CHECK ADV						
	column	4	0.300	0.300	4.900		1.764			
	central column	1	3.140	0.068	5.700		1.217			
	beam under collection tray	1	3.140	0.885	0.450		1.251			
	cantilever beam	4	0.550	0.300	0.300		0.198			
	collection tray + drain bottom slab-slab	0.25	3.140	11.560	0.200		1.815			
	collection tray - side wall	1	3.140	0.370	0.540		0.627			
	Tray 1 side wall	1	3.140	0.288	0.350		0.317			
	Tray 2 side wall	1	3.140	0.216	0.200		0.136			
	Tray 3 side wall	1	3.140	0.144	0.200		0.090			
	Tray 4 side wall	1	3.140	0.700	0.200		0.440			
	Total						7.855			
				To	tal Quantity	y in cum	7.855			
1.005	5.34.1									
	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).									
	grade concrete ins		-23 grade biv	10,111,101 (11			constacted			
	grade concrete ins	kg/cum).					Considered			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Total						11.234					
				To	tal Quantity	y in cum	11.234					
1.006	5.9.1											
	Centering and shuttering including strutting, etc. and removal of form for:Foundation footings, bases of columns, etc for mass concrete											
	Centering and sh	uttering										
	for pile cap	5	3.200	0.800			12.800					
	Total											
				To	otal Quantity	y in sqm	12.800					
1.007	5.9.2											
	Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.											
	Centering and	shuttering	5	L.F.								
	Tray -1 out side wall	1	3.14*2.50 0	0.350			2.748					
	Tray -1 inside wall	1	3.14*2.35	0.350			2.583					
	Tray -2 outside wall	1	3.14*1.9	0.200			1.193					
	Tray -2 inside wall	1	3.14*1.75	0.200	ANAGEMENT		1.099					
	Tray -3 out side wall	1	3.14*1.3	0.200			0.816					
	Tray -3 inside wall	1	3.14*1.15	0.200			0.722					
	Tray -4 outside wall	1	3.14*0.7	0.200			0.440					
	Tray -4 inside wall	1	3.14*0.55	0.200			0.345					
	Collection tray outer side wall (outer)	1	3.14*3.4	0.540			5.765					
	Collection tray outer side wall (inner)	1	3.14*3.2	0.540			5.426					
	Central column (outer)	1	3.14*0.45	5.700			8.054					
	Total						29.191					
				To	otal Quantity	y in sqm	29.191					
1.008	5.9.3											
	Centering and shu floors, roofs, landi	ttering inc	cluding strutt onies and acc	ing, etc. and ess platform	removal of f	orm for:S	uspended					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	centering and shu	ttering										
	bottom of trays and collection channel	1	3.14*3.4* 3.4	1/4			9.075					
	Total						9.075					
				To	tal Quantit	y in sqm	9.075					
1.009	5.9.5											
	Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers											
	centering and shuttering											
	plinth beam - radial	4	0.800	1.200			3.840					
	plinth beam - ring	1	3.14*2.87	1.200			10.814					
	beam under collection tray	1	3.14*2.87	0.900			8.111					
	cantilever beam	4	0.550	0.900			1.980					
	Total											
				To	tal Quantit	y in sqm	24.745					
1.010	5.9.6	V										
	Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts											
	centering and shuttering											
	column	4	1.200	4.900			23.520					
	Total						23.520					
	Total Quantity in sqm											
1.011	5.22.6											
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more											
	Steel rein	forcemen	t for concrete	·								
	Steel reinforcement for concrete	1	3.379+7. 855			100.00 0000	1123.400					
	Steel reinforcement for pile	5	1.100			100.00 0000	550.000					
	Total		1673.400									
	Total Quantity in kilogram											

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Vertical load testing installation of load and dismantling of of engineer -in-Ch Single pile above:	ling platfo f test cap a arge.	orm and prepafter test etc.	aration of pil complete as	e head or con per specifica	nstruction ation & the	of test cap
	Vertical load testing	ng of pile					
	Vertical load testing of pile	1					1.000
	Total						1.000
				Total	Quantity in	per test	1.000
1.013	13.1.1						
	12 mm cement pla	ster of mi	x:1:4 (1 cen	nent : 4 fine s	sand)		
	Plastering 12		· ·		,		
	Bottom of Tray, including collection tray	2	3.14*3.4* 3.4	1/4			18.149
	Tray 1 - side	2	3.14*2.58	0.350			5.671
	Tray 2 - side	2	3.14*1.98	0.200			2.487
	Tray 3 - side	2	3.14*1.38	0.200			1.733
	Tray 4 - side	2	3.14*0.78	0.200			0.980
	collection channel - side wall	2	3.14*3.3	0.540	ANAGEMENT		11.191
	column pipe	1	3.14*0.45	5.700			8.054
	beam under tray	1	3.14*2.87	0.900			8.111
	canteliver beam	4	0.550	0.900			1.980
	column s	4	1.200	4.900			23.520
	Total						81.876
				To	otal Quantit	y in sqm	81.876
1.014	11.37						
	Providing and layi specified by the m make, in colours s cement mortar 1:4 cement and match	anufacture uch as Wh (1 Cemer	er), of 1st qu nite, Ivory, G nt : 4 Coarse	ality conform brey, Fume R sand), include	ning to IS: 1 ed Brown, la	5622, of a aid on 20 a	approved mm thick
	Providing and la	ying cerai	mic floor tile	;			
	For top of Trays including collection tray	1	3.14*3.2* 3.2	1/4			8.038
	Tray 1 - side	1	3.14*2.5	0.350			2.748
	Tray 2 - side	1	3.14*1.9	0.200			1.193
	Tray 3 - side	1	3.14*1.3	0.200			0.816

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Tray 4 - side	1	3.14*0.7	0.200			0.440				
	collection channel - inside wall	1	3.14*3.2	0.540			5.426				
	Total						18.661				
				To	tal Quantit	y in sqm	18.661				
1.015	13.43.1										
	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface: Water thinnable cement primer										
	Applying water thinnable primer										
	Bottom of Trays including collection tray	3.14	3.4*3.4	1/4			9.075				
	Tray 1 - bottom vertical side	3.14	2.350	0.350			2.583				
	Tray 2 - side	3.14	1.750	0.200			1.099				
	Tray 3 - side	3.14	1.150	0.200			0.722				
	Tray 4 - side	3.14	0.550	0.200			0.345				
	collection channel - side wall	3.14	3.400	0.450	ANAGEMENT		4.804				
	column pipe	3.14	0.450	5.700			8.054				
	beam under tray	3.14	2.870	0.900			8.111				
	canteliver beam	4	0.550	0.900			1.980				
	columns	4	1.200	4.900			23.520				
	Total						60.293				
				To	tal Quantit	y in sqm	60.293				
1.016	13.60.1										
	Wall painting with an even shade:Two				d brand and	manufactu	re to give				
	Painting with acr	ylic emul	sion paint								
	qnty same as item no.15	1	60.293				60.293				
	Total										
	Total Quantity in sqm										
2	Total Quantity in sqm 60.293 Raw water channel										
2.001	20.1.3										

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Providing, driving grade M-25 of specification of less than scost of shoe and the (Length of pile for cap):500 mm dia p	cified dia specified, e length of payment	meter and ler excluding th of pile to be e	ngth below the cost of stee mbedded in	ne pile cap, to el reinforcem the pile cap	o carry sa ent but in etc. all co	fe working cluding the omplete.			
	Providing cast in situ RCC pile									
	500 mm Dia	5	5.600				28.000			
	Total						28.000			
				Tota	al Quantity	in metre	28.000			
2.002	5.33.1									
	excluding the cost admixtures in reco concrete, improve direction of Engine	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								
	Providing and	l laying d	esign mix M	25						
	Pile cap	5	0.800	0.800	0.800		2.560			
	Plinth beam	1	15-5*0.8	0.300	0.450		1.485			
	Total		•	•			4.045			
				To	tal Quantit	y in cum	4.045			
2.003	5.33.2									
	Providing and laying in position machine batched and machine mixed design mix N 25 grade cement concrete for reinforced cement concrete work, using cement conte 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 concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level									
	Providing and	l laying d	esign mix M		-					
	column	5	0.300	0.300	5.200		2.340			
	Tie beam & beam under slab	2	15-5*0.3	0.300	0.450		3.645			
	Cantiliver beam	5	0.600	0.300	0.300		0.270			
	bottom slab	1	15.000	0.600	0.150		1.350			
	Side wall	2	15.000	0.150	0.400		1.800			
	cover slab	30	0.500	0.600	0.100		0.900			
	Total						10.305			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				To	tal Quantity	y in cum	10.305			
2.004	5.34.1									
	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).									
	Providing and	laying de	sign mix M3	30						
	column	5	0.300	0.300	5.200		2.340			
	tie beam	2	15-5*0.3	0.300	0.450		3.645			
	bottom slab	1	15.000	0.600	0.150		1.350			
	Side wall	2	15.000	0.150	0.400		1.800			
	cover slab	30	0.500	0.600	0.100		0.900			
	Total						10.035			
			A	To	tal Quantity	y in cum	10.035			
2.005	5.9.1		a Ki	5740						
	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete									
	Centering and	shuttering		+						
	Pile cap	5	3.200		0.800		12.800			
	plinth beam	1	15-5*0.8	1.200	ANAGEMENT		13.200			
	Total						26.000			
				To	otal Quantity	y in sqm	26.000			
2.006										
	Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.									
	centering and sh	uttering								
	side wall - out side	2	15.000	0.550			16.500			
	side wall - inside	2	15.000	0.400			12.000			
	Total						28.500			
				To	otal Quantity	y in sqm	28.500			
2.007	5.9.3									
	Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform									
	centering and sh	uttering								
	Bottom slab	1	15.000	0.600			9.000			
	cover slab - sides	30	2.200	0.100			6.600			
	Total						15.600			
				To	otal Quantity	y in sam	15.600			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
2.008	5.9.5		-	<u>.</u>							
	Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers										
	centering and sh	uttering				Г					
	tie beam	2	15.000	1.200			36.000				
	cantilever beam	5	0.600	0.900			2.700				
	Total	Total									
				To	tal Quantit	y in sqm	38.700				
2.009	5.9.6										
	Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts										
	centering and sh	uttering									
	column	5	1.200	5.200			31.200				
	Total						31.200				
			14750	To	tal Quantit	y in sqm	31.200				
2.010	5.22.6		and the								
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more										
	Steel reinfo	rcement f	or RCC work	M FOR THE M	ANAGEMENT						
	concrete	1	4.045+10 .305			100.00 0000	1435.000				
	Pile (3.14*.25*.25*5.	5	1.099			100.00 0000	549.500				
	Total						1984.500				
				Total Q	uantity in k	kilogram	1984.500				
2.011	20.6.2.1										
	Vertical load testing of piles in accordance with IS 2911(Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of engineer -in-Charge. Single pile above 50 tonne and upto 100 tonne capacityInitial test										
	Vertical load testing	ng of piles	1								
	Vertical load testing of piles	1					1.000				
	Total						1.000				
	Total Quantity in per t										
2.012	13.1.1										
	12 mm cement pla	ster of mi	x:1:4 (1 cem	ent : 4 fine s	and)	<u> </u>					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	12mm cement	olaster of	mix 1:4								
	column	5	1.200	5.200			31.200				
	Beam	2	15.000	1.200			36.000				
	Channel- inside slab and sidewall	1	15.000	1.000			15.000				
	Channel- out side slab and sidewall	1	15.000	1.500			22.500				
	cover slab -top	30	0.500	0.800			12.000				
	Total 11										
				To	tal Quantit	y in sqm	116.700				
2.013	22.23.1										
	integral crystalline same from negative shall meet the requiremental permeability of control DIN 1048 and resistance shall be carried out engineering that the production of t	e (interna nirements ncrete by stant to 10 able of se t all comp	l) side with the as specified in as specified in more than 90 bar hydrost lf-healing of allete as per specifications.	he help of sy in ACI-212-3 20% compared atic pressure cracks up to pecification a	nthetic fiber BR-2010 i.e I with control on negative a width of 0 and the directe for 10 years.	brush. The by reducing of concrete side. The side. The side of the standard of the standard reducing the stand	ne material ng e as per crystalline the work				
	Applying integr			81	-1						
	Inside wall	2	15.000	0.400			12.000				
	Total						12.000				
				To	tal Quantit	v in sam	12.000				
2.014	22.23.2			·	<u> </u>	,					
	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 & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any leakage. For horizontal surface one coat @1.10 kg per sqm.										

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Applying integra	ıl crystalli	ine slurry				
	bottom slab	1	15.000	0.400			6.000
	Total						6.000
				To	otal Quantit	y in sqm	6.000
2.015	13.43.1						
	Applying one coat manufacture on wa	of water all surface	thinnable cer :Water thinn	nent primer (able cement	of approved primer	brand and	
	Applying water	thinnable	e cement prin	ner		· · · · · ·	
	column	5	1.200	5.200			31.200
	Beam	2	15.000	1.200			36.000
	Channel out side	1	15.000	1.500			22.500
	Channel cover slab top	30	0.500	0.800			12.000
	Total		S	10			101.700
			AIX	To	otal Quantit	y in sqm	101.700
2.016	13.60.1		100	A STATE OF			
	Wall painting with an even shade:Two				d brand and i	manufactu	re to give
	Wall painting wi	th acrylic	emulsion pa	int			
	Qnty same as item no.15	1	101.700	WORKS	ANAGEMENT		101.700
	Total						101.700
				To	otal Quantit	y in sqm	101.700
2.017	10.26.3						
	Providing and fixing balcony railing, standard approves steel print	aircase rai	ling and simi				
	Providing and fi	xing hand	drails				
	Providing and fixing handrails	1	300.000				300.000
	Total						300.000
				r	Total Quant	ity in kg	300.000
3	Flash Mixer						
3.001	20.1.3						
	Providing, driving grade M-25 of spe load not less than s cost of shoe and th (Length of pile for cap):500 mm dia p	cified dia specified, le length of payment	meter and ler excluding th of pile to be e	ngth below the cost of steembedded in	ne pile cap, to el reinforcem the pile cap	o carry sat ent but in etc. all co	fe working cluding the omplete.

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Providing cast in	situ RCC	C pile			-		
	500 mm dia. pile	1	5.600				5.600	
	Total						5.600	
				Tota	al Quantity	in metre	5.600	
3.002	5.33.1							
	Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using ceme as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, inc admixtures in recommended proportions as per IS: 9103 to accelerate, retar concrete, improve workability without impairing strength and durability as direction of Engineer - in-charge. Note:- Cement content considered in this 330 kg/ cum. Excess or less cement used as per design mix is payable or receparately. All work upto plinth level Providing and laying design mix M-25							
		laying de	esign mix M-	25				
	Pile cap - Frustum of circular cone shape (3.14*0.4/3*(0.8* .8)+(0.8*0.45)+(0 .45+0.45)	1	3.140	0.64+0.3 6+0.2025	0.4/3		0.503	
	Pile cap - circular shape (3.14*.8*.8*.4)	1	3.140	0.8*0.8	0.400		0.804	
	Total						1.307	
				To	otal Quantit	y in cum	1.307	
3.003	5.33.2							
	Providing and laying 25 grade cement considered as per approved describing the cost admixtures in reconscrete, improved direction of Engine 330 kg/ cum. Exceseparately. All wor	oncrete for esign mix, of center mmended workabilities - in-ch ess or less	or reinforced, including puing, shuttering proportions ity without in arge. Note:-cement used	cement concumping of cog, finishing as per IS: 91 as pairing streament conas per desig	rete work, use oncrete to site and reinforce 103 to accele ngth and dur tent consider in mix is pay-	sing ceme e of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @	
	Providing	and layin	g design mix	M-25				
	Bottom slab	1	3.140	0.95*0.95	0.200		0.567	
	side wall(3.14*2.8(0.8 +0.65)(0.8-0.65)	1	3.140	0.218	2.800		1.917	
	walk way(3.14*0.15*(1.45+0.65)(1.45- 0.65)	1	3.140	1.680	0.150		0.791	

	Specification	No	Length	Width	Depth	Cf	Quantity				
	Total						3.275				
				To	tal Quantity	y in cum	3.275				
3.004	5.34.1					•					
	Extra for providing specified cement c grade concrete inst in M-30 is @ 340	ontent use tead of M	ed is payable	/ recoverable	separately.F	Providing 1	M-30				
	Providing and laying design mix M-25										
	Bottom slab	1	3.140	0.95*0.95	0.200		0.567				
	Side wall (3.14*2.8(0.8+0.6 5)(0.8-0.65)	1	3.140	0.218	2.800		1.917				
	walk way(3.14*0.15*(1.45+0.65)(1.45- 0.65)	1	3.140	1.680	0.150		0.791				
	Total		/A-78\	2411			3.275				
			23/1	To	tal Quantity	y in cum	3.275				
3.005	4.1.3			316		•					
	Providing and laying in position cement concrete of specified grade excluding of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coa (zone-III) : 4 graded stone aggregate 20 mm nominal size) providing and laying PCC 1:2:4										
	PCC -inside flash mixer	1	3.140	.65*.65	0.500		0.663				
	Total						0.663				
				To	tal Quantity	y in cum	0.663				
3.006	5.9.1										
	Centering and shut footings, bases of				removal of f	orm for:F	oundations,				
	10										
	Centering and shut	tering		Ţ							
	Pile cap - Frustum of circular cone shape (3.14*(0.45+0.8) 0.4	tering	3.140	1.250	0.400		1.570				
	Pile cap - Frustum of circular cone shape (3.14*(0.45+0.8)		3.140	1.250	0.400						
	Pile cap - Frustum of circular cone shape (3.14*(0.45+0.8) 0.4 Pile cap - circular shape	1					2.010 3.580				
	Pile cap - Frustum of circular cone shape (3.14*(0.45+0.8) 0.4 Pile cap - circular shape (3.14*1.6*.4)	1		1.600		y in sqm	2.010				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Centering and shut thickness) includir	ttering ind	cluding strutti d pilasters, b	ing, etc. and utteresses, pl	removal of fointh and strip	orm for:W	alls (any etc.				
	Centering and shu	ittering									
	Sidewall - inside	1	3.140	1.300	2.800		11.430				
	Sidewall - out side	1	3.140	1.600	2.800		14.067				
	Total						25.497				
				To	otal Quantity	y in sqm	25.497				
3.008											
	Centering and shufloors, roofs, landi	ttering inc ngs, balco	cluding struttionies and acc	ing, etc. and ess platform	removal of fo	orm for:Si	uspended				
	Centering and shu	ttering		Т	Т						
	walk way bottom	1	3.140	2.100	0.800		5.275				
	walk way side	1	3.140	3.200	0.150		1.507				
	Total			544			6.782				
			946	To	otal Quantity	y in sqm	6.782				
3.009	5.22.6										
	Steel reinforcement for R.C.C work including straightening, cutting, bendin in position and binding all complete upto plinth levelThermo - Mechanically bars of grade Fe-500D or more										
	Steel reinforcement for RCC works										
	Reinforcement	1	1.307+3. 468			100.00 0000	477.500				
	for Pile(3.14*0.25*0. 25*7.3)	1	1.100			100.00 0000	110.000				
	Total						587.500				
				Total Q	Quantity in k	ilogram	587.500				
3.010	20.6.2.1										
	Vertical load testir installation of load and dismantling of of engineer -in-Ch Single pile above 5	ling platfo test cap a arge.	orm and prepa after test etc.	aration of pil complete as	e head or con per specifica	nstruction	of test cap				
	Vertical load testir										
<u></u>	Vertical load testing of piles	1					1.000				
	112111111111111111111111111111111111111										
	Total						1.000				
				Total	Quantity in	per test	1.000 1.000				
3.011				Total	Quantity in	per test					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	12mm Cement pl	astering 1	:4 mix						
	Side wall - inside	1	3.140	1.300	2.000		8.164		
	Side wall - out side	1	3.140	1.600	2.800		14.067		
	Walkway - top& bottom	2	3.140	2.100	0.800		10.550		
	Walkway -side	1	3.140	2.900	0.150		1.366		
	Total						34.147		
				To	otal Quantity	y in sqm	34.147		
3.012	13.43.1								
	Applying one coat manufacture on wa					orand and			
	Applying water thinnable cement primer								
	Side wall - out side	1	3.140	1.600	2.800		14.067		
	Walk way - top and bottom	2	3.140	2.100	0.800		10.550		
	Walk way -side	1	3.140	2.900	0.150		1.366		
	Total	100					25.983		
			O-DI ATEOD	To	tal Quantity	y in sqm	25.983		
3.013	13.60.1		OF PUBLIC	WORKS					
	Wall painting with an even shade:Two				d brand and r	nanufactu	ire to give		
	Wall painting with	n acrylic e	emulsion pair	nt					
	Qnty same as Item no. 12	1	25.983				25.983		
	Total						25.983		
				To	otal Quantity	y in sqm	25.983		
3.014	22.23.1								

	Specification	No	Length	Width	Depth	Cf	Quantity			
	waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @0.70 kg per sqm									
	Providing and app	lying inte		_						
	Side wall inside	1	3.140	1.300	2.000		8.164			
	Total		A961	T	otal Quantit	y in sam	8.164 8.164			
3.015	22.23.2		746		otal Quantit	y m sqm	0.104			
	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 & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5:2 (5 parts integral crystalline slurry: 2 parts water) for vertical surfaces and 3:1 (3 parts integral crystalline slurry: 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any leakage. For horizontal surface one coat @1.10 kg per sqm. Providing and applying integral crystalline slurry									
	shall be carried ou engineerin- charge. The produ- leakage.For horizo	able of set t all comp ct perforn ontal surfa	If-healing of lete as per spanned shall contact one coat of	cracks up to pecification a arry guarante @ 1.10 kg per line slurry	a width of 0 and the directed for 10 years	.50mm. Tition of the	e as per crystalline he work any			
	shall be carried ou engineerin- charge. The produ- leakage.For horizo	able of set t all comp ct perforn ontal surfa	If-healing of lete as per spanse shall cone cone cont egral crystall	cracks up to pecification a arry guarante @ 1.10 kg per line slurry	a width of 0 and the directed for 10 years	.50mm. Tition of the	e as per crystalline he work any			
	shall be carried ou engineerin- charge. The produ- leakage.For horizo Providing and ap	able of set t all comp ct perforn ontal surfa	If-healing of lete as per spanse shall cone cone cont egral crystall	cracks up to pecification a arry guarante @ 1.10 kg per line slurry 0.65*0.65	a width of 0 and the directed for 10 years	.50mm. Triion of the	e as per crystalline he work any 1.327			
3.016	shall be carried ou engineerin- charge. The production of the production of the production of the providing and ap Total 10.26.3 Providing and fixing balcony railing, state approves steel principle.	able of set all comp of perform ontal surfate plying intal all the plying intal all the plying intal and plying intal all the performance of the p	ance shall come coat of the aline of approving and similars.	cracks up to pecification a arry guarante @ 1.10 kg per line slurry 0.65*0.65	a width of 0 and the directed for 10 years sqm. otal Quantited delding etc. to	.50mm. To tion of the rs against y in sqm	as per crystalline he work any 1.327 1.327 1.327			
3.016	shall be carried ou engineerincharge. The production providing and ap Total Providing and fixing balcony railing, sta	able of set all comp of perform ontal surfate plying intal all the plying intal all the plying intal and plying intal all the performance of the p	ance shall come coat of the aline of approving and similars.	cracks up to pecification a arry guarante @ 1.10 kg per line slurry 0.65*0.65	a width of 0 and the directed for 10 years sqm. otal Quantited delding etc. to	.50mm. To tion of the rs against y in sqm	as per crystalline he work any 1.327 1.327 1.327			

4.001 2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil Earth work excavation for levelling 1 18.000 18.000 1.000 324.000 Total 324.000 Total Quantity in cum 324.000 Total 324.000 OD47550/2022-2023 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 31.600 Total 91.11 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm 1 7.900 7.900 Total 7.900 7.900 Total 9.000 7.900 Total 9.000 7.900 7.900 Total 9.000 7.900 7.900 Total 9.000 7.900 7.900 Providing driving and installing driven cast in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load	Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil Earth work excavation					,	Total Quant	ity in kg	180.000			
Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil Earth work excavation	4	Clariflocculator									
over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil Earth work excavation for levelling 1 18.000 18.000 1.000 324.000 Total 324.000 Total 324.000 Total Quantity in cum 324.000 4.002 OD47550/2022-2023 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 31.600 Total 31.600 Total Quantity in metre 31.600 4.003 20.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm 7.900 7.900 Total Quantity in metre 7.900 Total 02.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the l	4.001	2.6.1									
for levelling 1 18.000 18.000 1.000 324.000 Total 324.000 Total Ouantity in cum 324.000 4.002 OD47550/2022-2023 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 31.600 Total Quantity in metre 31.600 4.003 20.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm 1 7.900 7.900 Total 7.900 Total 7.900 Total 9.12 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be m		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									
Total Total Total Quantity in cum 324.000 4.002 OD47550/2022-2023 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 31.600 Total Quantity in metre 31.600 4.003 20.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total Quantity in metre 7.900 Total 8.000 Total 8.000 Total 8.000 Total 9.000 T		Earth work excav	ation								
4.002 OD47550/2022-2023 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 31.600 Total Quantity in metre 31.600 4.003 20.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total Quantity in metre 7.900 Total 7.900 Total 7.900 Total 7.900 Total Cuantity in metre 7.900 Local Country of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing, driving and installing driven cast in situ RCC piles400 mm Total Quantity in metre 7.900 Local Country of pile for payment shall be measured from top of shoe to the bottom of pile cap to depend on the standard of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm		for levelling	1	18.000	18.000	1.000		324.000			
Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 92.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total 7.900		Total						324.000			
Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 31.600 Total 31.600 Total Quantity in metre 31.600 4.003 20.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total 7.900 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm					To	otal Quantity	y in cum	324.000			
grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):600 mm dia piles Providing cast in situ RCC pile 600mm dia. 600 mm dia, pile 4 7.900 31.600 Total 31.600 Total 90.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm 1 7.900 7.900 Total 9.7.900 Total 7.900 Total 7.900 Total 7.900 Total 9.7.900 Total 9.7.900 Total 9.7.900 Total 9.7.900 Total 1.7.900 7.900 Total 9.7.900 Total 9.7.900 7.900 Total 9.7.900 Total 9.7.900 7.900	4.002	OD47550/2022-20)23								
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Total Quantity in metre 31.600 4.003 20.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm 1 7.900 Total 7.900 Total Quantity in metre 7.900 4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm		Providing cast i	n situ RC	C pile 600mr	n dia.						
4.003 4.003 20.1.1 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total 7.900 Total 7.900 Total 7.900 Total 7.900 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm			4					31.600			
Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total 7.900 Total 7.900 Total 7.900 Total 7.900 4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm		Total		OF PUBLIC	WOOKE						
Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total 7.900 Total 7.900 Total 7.900 Total 7.900 4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm					Tot	al Quantity	in metre	31.600			
grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400 mm dia piles Providing driving and installing driven cast in situ RCC piles400 mm Total 7.900 Total 7.900 Total Quantity in metre 7.900 4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm	4.003	20.1.1									
Total Total Total Total Quantity in metre 4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm		grade M-25 of spe load not less than a cost of shoe and the (Length of pile for cap):400 mm dia p	cified dianaspecified, ne length of payment biles	meter and lenexcluding the pile to be shall be mea	ngth below the cost of stee embedded in sured from t	ne pile cap, to el reinforcem the pile cap op of shoe to	ent but in etc. all co	fe working cluding the omplete.			
Total Quantity in metre 7.900 4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm		Providing driving	and insta	lling driven o	east in situ R		mm				
4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm			1			7.900					
 4.004 20.1.2 Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm 		Total			TD . 4	10	•				
Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450 mm dia piles Providing driving and installing driven cast in situ RCC piles -500mm	4.004				Tot	al Quantity	in metre	7.900			
	4.004	Providing, driving grade M-25 of spe load not less than cost of shoe and the	cified dian specified, ne length o	meter and lenexcluding the file to be o	ngth below the cost of steembedded in	ne pile cap, to el reinforcem the pile cap	o carry sate ent but in etc. all co	fe working cluding the			
8 7.900 63.200		cap):450 mm dia p	oiles								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Total						63.200		
				Tota	al Quantity	in metre	63.200		
4.005	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 (cer				
	Providing PCC 1								
	for floor slab	0.25	3.140	14.3*14.3	0.200		32.105		
	Total						32.105		
				To	tal Quantit	y in cum	32.105		
4.006	5.33.1								
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	workabili eer - in-ch ess or less k upto pli	ty without in large. Note:- cement used nth level	npairing streat Cement cont	ngth and dura ent consider	ability as ed in this	per item is @		
	Floor slab	0.25	3.140	14.1*14.1	0.320		49.941		
	Pile cap	4	1.000	1.000	0.600		2.400		
	Pile cap	1	0.800	0.800	0.500		0.320		
	Pile cap	8	1.000	1.000	0.600		4.800		
	Radial beam(concealed beam)	8	4.200	0.400	0.320		4.301		
	Ring beam(concealed beam) 1 3.14*13.2 0.400 0.320								
	Ring beam(concealed beam)	1	3.14*6.12	0.500	0.320		3.075		
	Total						70.162		
				To	tal Quantity	y in cum	70.162		
4.007	5.33.2		<u> </u>						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Providing and laying in position machine batched and machine mixed design 25 grade cement concrete for reinforced cement concrete work, using ceme as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering, shuttering, finishing and reinforcement, including the cost of centering the centering the cost of cen									
	Providing RCC design mix M-25									
	Side of pit	1	3.14*1.10 0	0.300	0.700		0.725			
	Side wall of clarifier	1	3.140*13. 25	0.250	3.600		37.445			
	haunch	0.5	3.140*13	0.500	0.700		7.144			
	column for supporting flocculator side wall	6	0.300	0.300	0.700		0.378			
	Beamfor supporting flocculator side wall	1	3.14*6.12	0.300	0.400		2.306			
	flocculator side wall	1	3.14*6.12	0.120	3.200		7.379			
	Collecting channel	1	3.14*12.5	0.500	0.150		2.944			
	Collecting channel side wall	1	3.14*11.9	0.100	0.500		1.868			
	Central shaft	1	3.14*.45	0.150	5.300		1.123			
	cover slab of Central shaft	1	3.140	.5*.5/4	0.150		0.029			
	Walk way	1	3.140*14. 5	1.000	0.150		6.830			
	Total						68.171			
				To	otal Quantit	y in cum	68.171			
4.008	5.34.1									
	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum). Extra Providing RCC design mix M-30									
	qnty same as item no. 6&7	1	70.162+6 8.171				138.333			
	Total						138.333			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				To	tal Quantity	in cum	138.333
4.009	5.9.1						
	Centering and shut footings, bases of				removal of fo	orm for:F	oundations,
	Centering and s	huttering			_	_	
	base slab sides	1	3.14*14.3	0.200			8.980
	Floor slab side	1	3.14*14.1	0.320			14.168
	Pile cap	4	4*1	0.600			9.600
	Pile cap	1	4*0.8	0.500			1.600
	Pile cap	8	4*1	0.600			19.200
	Total						53.548
				To	tal Quantity	y in sqm	53.548
4.010	5.9.2			(a.5)			
	Centering and shutthickness) includir						
	centering and sh	uttering	Sibte.	September 1			
	side of pit	1	3.14*1.1	0.700			2.418
	Side wall of Clarifier- inside	1	3.14*13	3.600			146.952
	Side wall of Clarifier- out side	1	3.14*13.5	3.600			152.604
	column for supporting flocculator side wall	6	4*.3	0.700			5.040
	Beamfor supporting flocculator side wall	1	3.14*6.12	1.100			21.138
	flocculator side wall - in side	1	3.14*6	3.200			60.288
	flocculator side wall - out side	3.14	6.240	3.200			62.700
	collecting channel	1	3.14*11.9	0.500			18.683
	collecting channel side wall- inner	3.14	11.800	0.500			18.526
	collecting channel side wall- outer	3.14	12.000	0.500			18.840
	central shaft	3.14	0.600	5.300			9.985

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	cover slab of central shaft	3.14	.6*.6	1/4			0.283		
	Walk way	3.14	14.000	1.000			43.960		
	Walk way - side	3.14	15.000	0.150			7.065		
	Total						568.482		
				To	otal Quantit	y in sqm	568.482		
4.011	5.22.6								
	Steel reinforcemer in position and bin bars of grade Fe-5	ding all c	omplete upto						
	Steel reir	, ,							
	Steel reinforcement	1	138.333			100.00 0000	13833.30 0		
	for pile	4	2.232	M.		100.00 0000	892.800		
	for pile	1	0.992	2017		100.00 0000	99.200		
	for pile	8	1.550	3-10		100.00 0000	1240.000		
	Total		COLATECO	M EOR THE M	ANAGEMENT		16065.30 0		
			OF PUBLIC	Total (Quantity in l	kilogram	16065.30 0		
4.012	20.6.2.1								
	Vertical load testing installation of load and dismantling of of engineer -in-Changle pile above:	ling platfo f test cap a arge.	orm and prep after test etc.	aration of pil complete as	le head or co per specifica	nstruction ation & the	of test cap		
	Vertical load testi	ng of pile	S			, ,			
	Vertical load testing of piles	3					3.000		
	Total						3.000		
				Total	Quantity in	n per test	3.000		
4.013	13.1.1								
	12 mm cement pla	ster of mi	x:1:4 (1 cen	nent: 4 fines	sand)				
	Cement plastering 1:4, 12mm thick								
	Floor slab inside	1	3.14*13* 13	1/4			132.665		
	Side of pit	1	3.14*1.1	0.700			2.418		
	Side wall of Clarifier- inside	1	3.14*13	3.600			146.952		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Side wall of Clarifier-out side	1	3.14*13.5	3.600			152.604	
	column for supporting flocculator side wall	6	4*.3	0.700			5.040	
	Beamfor supporting flocculator side wall	1	3.14*6.12	1.100			21.138	
	flocculator side wall - in side	1	3.14*6	3.200			60.288	
	flocculator side wall - out side	1	3.14*6.24	3.200			62.700	
	collecting channel top& bottom	2	3.14*11.9	0.500			37.366	
	collecting channel side wall	6.28	11.800	0.500			37.052	
	central shaft	1	3.14*.6	5.300			9.985	
	cover slab of central shaft	3.14	.6*.6	1/4	Ш		0.283	
	Walkway	6.28	14.000	1.000	ANAGEMENT		87.920	
	Walkway- side	3.14	14.000	0.150			6.594	
	Total						763.005	
				To	otal Quantit	y in sqm	763.005	
4.014	22.23.1							
	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 & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any							
	leakage.For vertice Applying integra			0.70 kg per s	sqiii			
	Side wall of Clarifier- inside	1	3.14*13	3.600			146.952	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	flocculator side wall - in side	1	3.14*6	3.200			60.288	
	flocculator side wall - out side	3.14	6.240	3.200			62.700	
	collecting channel side wall- inner	3.14	11.800	0.500			18.526	
	collecting channel side wall- inner	3.14	12.000	0.500			18.840	
	central shaft	3.14	0.600	5.300			9.985	
	Total		317.291					
				To	otal Quantit	y in sqm	317.291	
4.015	22.23.2							
	Providing and app waterproofing trea water tanks, roof s / subway and bridg integral crystalline integral crystalline same from negative shall meet the requipermeability of co DIN 1048 and resist slurry shall be cap shall be carried out engineerincharge. The produte leakage. For horizon Applying integral base slab	the attent to the labs, poding edeck et esturry: 2 esturry: 1 estu	the RCC structums, reserving, prepared land parts water) apart water) apart water) as specified more than 90 better as per specified as per sp	ctures like re or, sewage & oy mixing in for vertical a for horizonta he help of sy in ACI-212-30% compared atic pressure cracks up to pecification a	taining walls water treatrethe ratio of surfaces and l surfaces and thetic fiber 3R-2010 i.e. with control on negative a width of 0 and the directed for 10 years	s of the bannent plant 5:2 (5 pa 3:1 (3 pad applying brush. The by reducired side. The side. The side. The side of the standard of the standar	sement, t, tunnels rts arts g the ne material ng e as per c crystalline he work	
	collecting	1	13					
	channel	1	3.14*12.5	0.500			19.625	
	Total						152.290	
				To	otal Quantit	y in sqm	152.290	
4.016	13.43.1							
	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface: Water thinnable cement primer							
	Applying water thinnable cement primer							
	Side wall of Clarifier- inside	1	3.14*13	3.600			146.952	
	Side wall of Clarifier-out side	1	3.14*13.5	3.600			152.604	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	column for supporting flocculator side wall	6	4*.3	0.700			5.040
	Beamfor supporting flocculator side wall	1	3.14*6.12	1.100			21.138
	flocculator side wall	2	3.14*6	3.120			117.562
	collecting channel top & bottom	2	3.14*11.9	0.500			37.366
	collecting channel side wall	6.28	11.800	0.500			37.052
	central shaft	1	3.14*.6	5.300			9.985
	central shaft - cover slab	3.14	.6*.6	1/4			0.283
	Walk way	6.28	14.000	1.000			87.920
	Walk way- side	3.14	14.00 <mark>0</mark>	0.150			6.594
	Total	100					622.496
			e-PLATEOR	To	otal Quantit	y in sqm	622.496
4.017	12.02.2						
4.UI/	13.83.2		U- FOBUL	VVCVCS			
4.01/	Wall painting with (Volatile including and colour.Two co	applying	acrylic emu	lsion paint of	f interior gra er required to	de, having achieve o	g VOC even shade
4.01/	Wall painting with (Volatile including	g applying pats	acrylic emu additional c	lsion paint of oats whereve	f interior graer required to	de, having achieve	g VOC even shade
4.017	Wall painting with (Volatile including and colour.Two co	g applying pats	acrylic emu additional c	lsion paint of oats whereve	f interior graer required to	de, having achieve e	g VOC even shade 152.604
4.017	Wall painting with (Volatile including and colour.Two colour.Two colour.Two did wall painting with Side wall of	g applying pats h acrylic e	acrylic emu additional c	Ision paint of oats wherevent	f interior graer required to	de, having achieve e	even shade
4.017	Wall painting with (Volatile including and colour. Two colour wall painting with Side wall of Clarifier-out side central shaft -	g applying pats h acrylic e	acrylic emu additional c emulsion pair 3.14*13.5	dsion paint of pats wherever the state of th	f interior grader required to	de, having achieve e	152.604
4.017	Wall painting with (Volatile including and colour.Two c	g applying pats h acrylic e 1 3.14	acrylic emu additional c emulsion pair 3.14*13.5	dsion paint of pats wherever the state of th	f interior grader required to	de, having achieve e	152.604 0.283
4.017	Wall painting with (Volatile including and colour. Two colour. Two colours wall painting with Side wall of Clarifier-out side central shaft cover slab Walk way	g applying pats h acrylic 6 3.14 6.28	acrylic emu additional c emulsion pair 3.14*13.5 .6*.6	dsion paint of pats wherever the state of th	f interior graer required to	de, having	152.604 0.283 87.920
4.017	Wall painting with (Volatile including and colour. Two colour. Two colours with the wall painting with the wall of Clarifier-out side central shaft cover slab walk way	g applying pats h acrylic 6 3.14 6.28	acrylic emu additional c emulsion pair 3.14*13.5 .6*.6	1/4 1.000 1.000	f interior grader required to	achieve e	152.604 0.283 87.920 87.920
	Wall painting with (Volatile including and colour. Two colour. Two colours with the wall painting with the wall of Clarifier-out side central shaft cover slab walk way	g applying pats h acrylic 6 3.14 6.28	acrylic emu additional c emulsion pair 3.14*13.5 .6*.6	1/4 1.000 1.000	er required to	achieve e	152.604 0.283 87.920 87.920 328.727
	Wall painting with (Volatile including and colour.Two c	g applying pats h acrylic of 1 3.14 6.28 6.28 ng hand radircase rai	acrylic emu additional comulsion pair 3.14*13.5 .6*.6 14.000 14.000 ail of approveling and similar and similar additional comulsion pair additional comulsion pair additional comulsional comulsio	lsion paint of pats wherever the state of th	otal Quantit	y in sqm	152.604 0.283 87.920 87.920 328.727 328.727
	Wall painting with (Volatile including and colour. Two colour. Two colours wall painting with Side wall of Clarifier-out side central shaft - cover slab Walk way Walk way Total 10.26.3 Providing and fixidal balcony railing, states	g applying pats h acrylic e 1 3.14 6.28 6.28 ng hand radircase rainer.G.I. p	acrylic emu additional comulsion pair 3.14*13.5 .6*.6 14.000 14.000 ail of approveling and similar and similar additional comulsion pair additional comulsion pair additional comulsional comulsio	lsion paint of pats wherever the state of th	otal Quantit	y in sqm	152.604 0.283 87.920 87.920 328.727 328.727
	Wall painting with (Volatile including and colour. Two colour. Two colours wall painting with Side wall of Clarifier-out side central shaft - cover slab Walk way Walk way Total 10.26.3 Providing and fixity balcony railing, state approves steel print	g applying pats h acrylic e 1 3.14 6.28 6.28 ng hand radircase rainer.G.I. p	acrylic emu additional comulsion pair 3.14*13.5 .6*.6 14.000 14.000 ail of approveling and similar and similar additional comulsion pair additional comulsion pair additional comulsional comulsio	lsion paint of pats wherever the state of th	otal Quantit	y in sqm	152.604 0.283 87.920 87.920 328.727 328.727

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
				,	Total Quant	ity in kg	1000.000		
4.019	100.1.1								
	Excavating trenches of required width for pipes, cables, etc., including exc sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including out the excavated soil, and then returning the soil as required, in lay exceeding 20cm in depth, including consolidating each deposited layer by watering, etc., and disposing of surplus excavated soil as directed, within a 50m, in all kinds of soil.								
	Excavating trenc	hes for pi	pe laying			T			
	for 250mm DI pipe	1	40.000	0.900	1.200		43.200		
	Total						43.200		
				To	otal Quantit	y in cum	43.200		
4.020	100.14.4								
	Conveying and lay to IS: 8329 exclud K-9 Pipes.	ing S&S ing cost o	Centrifugally f pipes and s	y Cast (Spun pecials: 250i) / Ductile Iro mm diameter	on Pipes of Ductile I	conforming ron Class		
	laying of 250mm	DI K9	-calle	T. S.		Г			
	250mm DI K9	1	40.000	3-16			40.000		
	Total						40.000		
			e-PLATFOR	M FOR T Tot	al Quantity	in metre	40.000		
4.021	100.98.118								
	Supply of DI K9 P	ipe Confo	orming to IS	8329/2000, 2	250mm Dia.				
	Supply 250mm D	OI K9							
	250mm DI K9	1	40.000				40.000		
	Total						40.000		
				Tota	al Quantity	in metre	40.000		
4.022	100.98.462								
	Supply of CI Doub Valve with Cap Pl	ole Flange N 1.6, Size	ed Sluice Val e 250mm.	ve Conformi	ing to IS 148	46 - 2000	, Sluice		
	Supply of CI D/F	sluice va	lve 250mm c	lia					
	for Clariflocculator scour	1					1.000		
	for raw water channel scour	1					1.000		
	Total						2.000		
				,	Total Quant	ity in no	2.000		
4.023	100.31.1.6								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Conveying and fix insertions etc., con will be paid separa	nplete, bu	t excluding t	he cost of the					
	fixing CI sluice va	lve							
	fixing CI sluice valve	2					2.000		
	Total						2.000		
					Total Quant	ity in no	2.000		
4.024	18.68.1								
	Providing and layi IS: 9523:Upt 600		ecials of clas	s K - 12 suit	able for push	- on joint	ing as per		
	Providing and lay	ing DI sp	ecials	1					
	250mm wall casing pipe	2				0.8500 00	1.700		
	250mm - 90 degree bend	4				0.4800	1.920		
	250mm - 45 degree bend	2				0.3600	0.720		
	250mm - 22.5 degree bend	2	P	710		0.3200 00	0.640		
	250mm - 11.25 degree bend	2	e-PLATFOR OF PUBLIC	M FOR THE N WORKS	ANAGEMENT	0.3000	0.600		
	250 x 250 mm tee	2				0.5700 00	1.140		
	Total						6.720		
				Tota	l Quantity ir	n quintal	6.720		
4.025	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:250 mm dia pipes								
	Providing push or	n joints		T					
	250mm pipe	15					15.000		
	Total						15.000		
				To	tal Quantity	in joint	15.000		
4.026	OD260287/2022-2023								
	Labour for cutting C I/ D I pipe with steel saw. 250mm dia. D I pipe								
	Labour for cutting	250 mm	DI pipe						
		4					4.000		
	Total						4.000		
				Total C	Quantity in E	Cach Cut	4.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
4.027	18.30.6						
	Providing flanged testing of joints:25			ed C.I./ D.I p	ipes and spec	cials, inclu	ıding
	Providing flanged	joints					
	250mm DI pipe	4					4.000
	Total						4.000
				ŗ	Total Quant	ity in no	4.000
4.028	100.36.1						
	Filling water with of 5 km (average) height not less that and other applience	to the resender and cos	ervoir site and ng 5 HP diese st of water et	d pumping the lengine punction complete.	ne water into	the reserv	oir of
	Filling water with					Г	
		3.14	6.5*6.5	3.400			451.061
	Total		- 68				451.061
			41.24	Total (Quantity in I	Kilo litre	451.061
5	Filter house						
5.001	2.6.1		P		Ę		1
	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled)	ing 30 cm of excava d and neat	in depth, 1.: ated earth, lea	5 m in width ad up to 50 n	as well as 10 and lift up t) sqm on p	olan)
	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excave	ing 30 cm of excava d and neat ation	in depth, 1.: nted earth, lea ly dressed.A	5 m in width ad up to 50 n ll kinds of so	as well as 10 n and lift up to il) sqm on p	olan) disposed
	2.6.1 Earth work in exca over areas (exceed including disposal earth to be levelled Earth work excavator filter bed	ing 30 cm of excava d and neat	in depth, 1.: ated earth, lea	5 m in width ad up to 50 n	as well as 10 and lift up t) sqm on p	olan) lisposed 104.000
	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excave	ing 30 cm of excava d and neat ation	in depth, 1.: nted earth, lea ly dressed.A	5 m in width ad up to 50 n ll kinds of so 10.000	as well as 10 n and lift up to il 0.800	o 1.5 m, c	olan) disposed 104.000 104.00 0
5.001	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excavifor filter bed Total	ing 30 cm of excava 1 and neat ation	in depth, 1.: nted earth, lea ly dressed.A	5 m in width ad up to 50 n ll kinds of so 10.000	as well as 10 n and lift up t il	o 1.5 m, c	olan) disposed 104.000 104.00 0
5.001	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excavifor filter bed Total OD51383/2022-20	of excava d and neat ation	n in depth, 1.: nted earth, lea ly dressed.A	5 m in width ad up to 50 m ll kinds of so	as well as 10 n and lift up to il 0.800 otal Quantity	y in cum	104.000 104.000
5.001	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excavifor filter bed Total	of excava d and neat ation 1 223 and insta- cified dian specified, be length of payment	lling driven cometer and ler excluding those of pile to be e	5 m in width and up to 50 m ll kinds of so 10.000 To cast-in-situ rength below the cost of steembedded in	otal Quantity einforced center pile cap, to el reinforcem the pile cap of the	y in cum nent concrete carry safe ent but incete. all co	104.000 104.000 104.000 rete piles of e working cluding the amplete.
5.001	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excavator for filter bed Total OD51383/2022-20 Providing, driving grade M-25 of spelload not less than scost of shoe and the (Length of pile for cap):600 mm dia p	of excava d and neat ation 1 223 and insta- cified diar specified, he length of payment oiles	lling driven cometer and ler excluding those shall be mea	5 m in width and up to 50 m ll kinds of so 10.000 To cast-in-situ rength below the cost of steembedded in	otal Quantity einforced center pile cap, to el reinforcem the pile cap of the	y in cum nent concrete carry safe ent but incete. all co	104.000 104.000 104.000 rete piles of e working cluding the amplete.
5.001	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excavifor filter bed Total OD51383/2022-20 Providing, driving grade M-25 of speload not less than scost of shoe and the (Length of pile for	of excava d and neat ation 1 223 and insta- cified diar specified, he length of payment oiles	lling driven cometer and ler excluding those shall be mea	5 m in width and up to 50 m ll kinds of so 10.000 To cast-in-situ rength below the cost of steembedded in	otal Quantity einforced center pile cap, to el reinforcem the pile cap of the	y in cum nent concrete carry safe ent but incete. all co	104.000 104.000 104.000 rete piles of e working cluding the mplete. m of pile
5.001	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excavator for filter bed Total OD51383/2022-20 Providing, driving grade M-25 of spelload not less than scost of shoe and the (Length of pile for cap):600 mm dia providing RCC for 600mm dia.	of excava of excava d and neat ation 1 223 and insta- cified diar specified, the length of payment oiles pile - 600	lling driven of meter and ler excluding thof pile to be eshall be mea	5 m in width and up to 50 m ll kinds of so 10.000 To cast-in-situ rength below the cost of steembedded in	otal Quantity einforced center pile cap, to el reinforcem the pile cap of the	y in cum nent concrete carry safe ent but incete. all co	104.000 104.000 104.000 104.000 rete piles of e working cluding the amplete. m of pile
5.001	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work excavifor filter bed Total OD51383/2022-20 Providing, driving grade M-25 of speload not less than scost of shoe and the (Length of pile for cap):600 mm diapproviding RCC for 600mm diappile	of excava of excava d and neat ation 1 223 and insta- cified diar specified, the length of payment oiles pile - 600	lling driven of meter and ler excluding thof pile to be eshall be mea	5 m in width ad up to 50 m ll kinds of so 10.000 To east-in-situ rength below the cost of steembedded in sured from to 10.000 m length below the cost of steembedded in sured from to 10.000 m length below the cost of steembedded in sured from to 10.000 m length below the cost of steembedded in sured from to 10.000 m length below the cost of steembedded in sured from to 10.000 m length below the cost of steembedded in sured from the cost of the co	otal Quantity einforced center pile cap, to el reinforcem the pile cap of the	y in cum nent concrete carry safe ent but incete. all contrete the botton	104.000 104.000 104.000 rete piles of e working cluding the implete.

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and layi of centering and sh (zone-III): 4 grade	nuttering -	All work up	to plinth lev	el:1:2:4 (cer	de excludi nent : 2 co	ing the cost parse sand
	Providing PCC 1	:2:4					
	levelling filter bed	1	11.700	9.000	0.150		15.795
	filling gullet	3	3.500	0.750	1.050		8.269
	porch	1	8.400	3.300	0.150		4.158
	Lobby	1	7.330	3.850	0.150		4.233
	stair room	1	4.080	3.580	0.150		2.191
	Chlorine room	1	3.950	7.330	0.150		4.343
	Chemical room	1	12.720	3.580	0.150		6.831
	Blower	1	3.830	3.550	0.150		2.039
	wash & toilet	2	3.180	1.690	0.150		1.612
	Provision for unforseen quantity	5					5.000
	Total						54.471
		100		To	tal Quantity	v in cum	54.471
5.004	5.33.1 Providing and layi						
5.004	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce	oncrete for esign mix, of centering mmended workabilities in-chass or less	or reinforced of including puring, shuttering proportions ty without in large. Note:-cement used	cement concumping of cog, finishing as per IS: 91 apairing streament confidence of the confidence of t	rete work, us ncrete to site and reinforce 03 to accelength and duratent consider	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @
5.004	Providing and layi 25 grade cement consists as per approved de excluding the cost admixtures in reconscience, improve direction of Engine 330 kg/ cum. Excesseparately.All wor	oncrete for esign mix, of centering mmended workabilities or less k upto pli	or reinforced of including puring, shuttering proportions ty without in large. Note:-cement used nth level	cement concumping of cog, finishing as per IS: 91 apairing streament confidence of the confidence of t	rete work, us ncrete to site and reinforce 03 to accelength and duratent consider	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @
5.004	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce	oncrete for esign mix, of centering mmended workabilities or less k upto pli	or reinforced of including puring, shuttering proportions ty without in large. Note:-cement used nth level	cement concumping of cog, finishing as per IS: 91 apairing streament confidence of the confidence of t	rete work, us ncrete to site and reinforce 03 to accelength and duratent consider	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @
5.004	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in recoconcrete, improve direction of Engine 330 kg/ cum. Exceseparately.All wor Providing of pile cap - 600mm	oncrete for esign mix, of centering mmended workabilities or less k upto pli	or reinforced of including puring, shuttering proportions ty without in large. Note:-cement used onth level	cement concumping of coup, finishing a as per IS: 91 apairing street Cement contast per desig	rete work, us ncrete to site and reinforce .03 to accele ngth and dura tent consider n mix is paya	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @ coverable
5.004	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing of pile cap - 600mm dia pile Beam under filter	oncrete for esign mix, of centering mended workabilities or less k upto plidesign mix	or reinforced of including puting, shuttering proportions ty without in large. Note:-cement used nth level of M25	cement concumping of coupling of coupling of coupling of coupling as per IS: 91 apairing street Cement contains as per designous of the coupling of the coupli	rete work, us ncrete to site and reinforce 03 to accele ngth and dura tent consider n mix is paya	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @ coverable
5.004	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing of pile cap - 600mm dia pile Beam under filter bed Beam under filter	oncrete for sign mix, of centering mended workabilities - in-chess or less k upto plidesign mix	or reinforced of including puting, shuttering proportions ty without in large. Note:-cement used on the level of the state	cement concumping of coupling of coupling of coupling of coupling strength of the concurrence of the concurrence of the coupling of the coupli	ncrete work, us ncrete to site and reinforce 03 to accele ngth and duratent consider n mix is pays 0.800	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @ coverable 18.792
5.004	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing of pile cap - 600mm dia pile Beam under filter bed Beam under filter bed Filter house plinth beam Filter house plinth beam	oncrete for sign mix, of centering mended workabilities or less k upto plidesign mix	or reinforced of including puring, shuttering puring, shuttering proportions ty without in large. Note:-cement used on the level of the without in large. Note:-cement used on the level of the without in large. Note:-cement used on the level of the without in large. Note:-cement used on the level of the without in large. Note:-cement used on the level of the without in large. Note:-cement used on the level of the without in large. Note:-cement used on the level of the without in large. Note:-cement used on the level of the without in large, without in large, and the without in large, without in large, and the	cement concumping of course imping of course imping of course in the cou	ncrete work, us ncrete to site and reinforce .03 to accele ngth and duratent consider n mix is pays 0.800 0.600	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @ coverable 18.792 12.420 4.752
5.004	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing of pile cap - 600mm dia pile Beam under filter bed Beam under filter bed Filter house plinth beam Filter house	oncrete for esign mix, of centering mended workabilities or less k upto plidesign mix 29	or reinforced of including puting, shuttering proportions ty without in large. Note:-cement used on the level of the second seco	cement concumping of coupling of coupling of coupling of coupling graph of the concurrence of the concurrence of the coupling street coupling street coupling as per designate of the coupling	ncrete work, us ncrete to site and reinforce 03 to accele ngth and duratent consider n mix is pays 0.800 0.600 0.600 0.450	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @ coverable 18.792 12.420 4.752 6.804

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Filter house plinth beam	2	4.050	0.300	0.450		1.094
	Filter house plinth beam	1	4.030	0.300	0.450		0.544
	Filter bed -floor	1	11.500	4.950	0.300		17.078
	clear water channel in pipe gallery bottom slab	1	11.500	0.900	0.200		2.070
	clear water channel side wall	2	11.500	0.150	1.000		3.450
	clear water channel cover slab	1	11.500	0.900	0.150		1.553
	Manifauld side wall	6	3.500	0.200	0.500		2.100
	Manifauld cover slab	3	3.500	0.400	0.200		0.840
	Total		settle.	Willean.			78.626
				To	tal Quantity	y in cum	78.626
5.005	5.33.2	N.		< 1L	_ =		
	25 grade cement co as per approved de excluding the cost admixtures in reco	sign mix, of centeri	including pu	mping of con	ncrete to site		
	concrete, improve direction of Engine 330 kg/ cum. Exce	workabili eer - in-ch ss or less	proportions ty without in arge. Note:- cement used	as per IS: 91 npairing strent Cement cont as per design	03 to accelerate and durate of the considerate on the mix is paya	ment, included and the contract of the contrac	luding d setting of per item is @
	concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	workabili eer - in-ch ess or less k above p	proportions ty without in arge. Note:- cement used linth level up	as per IS: 91 npairing strent Cement cont as per design	03 to accelerate and durate of the considerate on the mix is paya	ment, included and the contract of the contrac	luding d setting of per item is @
	concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providir column ground	workabili eer - in-ch ss or less	proportions ty without in arge. Note:- cement used linth level up	as per IS: 91 npairing strent Cement cont as per design	03 to accelerate and durate of the considerate on the mix is paya	ment, included and the contract of the contrac	luding d setting of per item is @
	concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	workabili eer - in-ch ess or less k above p ng design	proportions ty without in arge. Note:- cement used linth level up mix M25	as per IS: 91 npairing stren Cement cont as per design to floor V le	03 to accelering the and durate on sider in mix is payavel	ment, included and the contract of the contrac	luding d setting of per item is @ coverable
	concrete, improve direction of Engine 330 kg/ cum. Exce separately. All wor Providir column ground floor(C1) column ground	workabili eer - in-ch ess or less k above p ng design	proportions ty without im arge. Note:- cement used linth level up mix M25	as per IS: 91 hpairing stren Cement cont as per design to floor V le	03 to accelerate and durate ent consider a mix is payavel 3.300	ment, included and the contract of the contrac	luding d setting of per item is @ coverable
	concrete, improve direction of Engine 330 kg/ cum. Exce separately. All wor Providir column ground floor(C1) column ground floor(C1) column ground	workabili eer - in-ch ess or less k above p ng design 14	proportions ty without im large. Note:- cement used linth level up mix M25 0.450 0.450	as per IS: 91 npairing stren Cement cont as per design to floor V le 0.600	03 to accelerate and durate ent consider a mix is payavel 3.300 4.000	ment, included and the contract of the contrac	luding d setting of per item is @ coverable 12.474
	concrete, improve direction of Engine 330 kg/ cum. Exceseparately. All worn Providing column ground floor(C1) column ground floor(C1) column ground floor(C3)	workabili eer - in-ch ess or less k above p ng design 14 12	proportions ty without in large. Note:- cement used linth level up mix M25 0.450 0.300	as per IS: 91 npairing stren Cement cont as per design to floor V le 0.600 0.600 0.300	03 to accelength and duragent consider in mix is payavel 3.300 4.000 3.300	ment, included and the contract of the contrac	luding d setting of per item is @ coverable 12.474 12.960
	concrete, improve direction of Engine 330 kg/ cum. Exceseparately. All wor Providir column ground floor(C1) column ground floor(C1) column ground floor(C3) GF roof beam	workabili eer - in-ch ess or less k above p ng design 14 12 5	proportions ty without im large. Note:- cement used linth level up mix M25 0.450 0.300 20.950	as per IS: 91 hpairing stren Cement cont as per design to floor V le 0.600 0.300 0.300	03 to accelength and durient consider in mix is payavel 3.300 4.000 3.300 0.450	ment, included and the contract of the contrac	luding d setting of per item is @ coverable 12.474 12.960 1.485 5.657
	concrete, improve direction of Engine 330 kg/ cum. Exce separately. All wor Providir column ground floor(C1) column ground floor(C1) column ground floor(C3) GF roof beam	workabili eer - in-ch ess or less k above p ng design 14 12 5	proportions ty without im targe. Note:- cement used linth level up mix M25 0.450 0.300 20.950 25.000	as per IS: 91 hpairing stren Cement contras per design to floor V le 0.600 0.600 0.300 0.300 0.300	03 to accelerate and durate ent consider and mix is payavel 3.300 4.000 3.300 0.450 0.450	ment, included and the contract of the contrac	luding d setting of per item is @ coverable 12.474 12.960 1.485 5.657 6.750
	concrete, improve direction of Engine 330 kg/ cum. Exceseparately. All worn Providing column ground floor (C1) column ground floor (C1) column ground floor (C3) GF roof beam GF roof beam	workabili eer - in-ch ess or less k above p ng design 14 12 5 2 6	proportions ty without im large. Note:-cement used linth level up mix M25 0.450 0.300 20.950 25.000 11.500	as per IS: 91 npairing stren Cement cont as per design to floor V le 0.600 0.300 0.300 0.300 0.300	03 to accelerate and durate ent consider and mix is payavel 3.300 4.000 3.300 0.450 0.450 0.450	ment, included and the contract of the contrac	luding d setting of per item is @ coverable 12.474 12.960 1.485 5.657 6.750 9.315
	concrete, improve direction of Engine 330 kg/ cum. Exceseparately. All wor Providir column ground floor(C1) column ground floor(C3) GF roof beam GF roof beam GF roof beam GF roof beam	workabiliteer - in-chess or less k above peng design 14 12 5 2 2 6 1	proportions ty without imparge. Note:-cement used linth level upmix M25 0.450 0.300 20.950 25.000 11.500 4.030	as per IS: 91 hpairing stren Cement contras per design to floor V le 0.600 0.300 0.300 0.300 0.300 0.300 0.300	03 to accelength and durient consider in mix is payavel 3.300 4.000 3.300 0.450 0.450 0.450 0.450	ment, included and the contract of the contrac	luding d setting of per item is @ coverable 12.474 12.960 1.485 5.657 6.750 9.315 0.544

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Sunshade	1	53.500	0.600	0.100		3.210
	GF Roof slab	1	21.550	12.100	0.150		39.113
	GF Roof slab	1	4.050	4.630	0.150		2.813
	GF Roof slab- porch	1	9.600	3.300	0.150		4.752
	Deduction roof slab in filter room	-3	2.200	1.350	0.150		-1.336
	Deduction roof slab in filter room	-1	8.650	1.700	0.150		-2.206
	Stair case to alum lime tank	24	1.000	0.300	0.150		1.080
	Stair case landing	2	1.000	1.000	0.150		0.300
	Stair case slab	1	4.470	1.000	0.100		0.447
	Stair case slab	1	4.020	1.000	0.100		0.402
	Main Stair case steps	22	1.200	0.300	0.150	0.5000 00	0.594
	Main Stair case landing	2	1.200	1.200	0.150		0.432
	Main Stair case slab	1	3.500	1.200	0.100		0.420
	Main Stair case slab	1	2.300	1.200	0.100		0.276
	Main Stair case slab	1	1.700	1.200	0.100		0.204
	FF column	20	0.450	0.300	3.000		8.100
	FF column	4	0.300	0.300	3.000		1.080
	FF roof beam	5	11.500	0.300	0.450		7.763
	FF roof beam	4	16.900	0.300	0.450		9.126
	FF roof beam	1	4.350	0.300	0.450		0.587
	FF roof beam	1	3.300	0.300	0.450		0.446
	Alum, lime tank slab	1	4.500	2.500	0.200		2.250
	Alum, lime tank side wall	2	4.500	0.150	1.300		1.755
	Alum, lime tank side wall	5	1.500	0.150	1.300		1.463
	Alum, lime tank partitian wall	1	4.500	0.150	0.500		0.338
	Alum, lime room - landing	1	4.830	0.900	0.150		0.652
	Lintel	1	87.500	0.200	0.150		2.625
	Sunshade	1	65.800	0.600	0.100		3.948

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	FF roof slab	1	17.500	12.100	0.150		31.763
	FF roof slab	1	4.950	3.600	0.150		2.673
	Main stair case steps	22	1.200	0.300	0.150	0.5000 00	0.594
	Main stair case landing	2	1.200	1.200	0.100		0.288
	Main stair case slab	1	3.500	1.200	0.100		0.420
	Main stair case slab	1	2.300	1.200	0.100		0.276
	Main stair case slab	1	1.700	1.200	0.100		0.204
	SF column (C2)	8	0.300	0.450	3.000		3.240
	SF column (C3)	4	0.300	0.300	3.000		1.080
	Second floor- roof beam	2	11.500	0.300	0.450		3.105
	Second floor- roof beam	3	4.350	0.300	0.450		1.762
	Second floor- roof beam	1	7.330	0.300	0.450		0.990
	Second floor- roof beam	1	3.300	0.300	0.450		0.446
	Second F - lintel	1	35.340	0.200	0.150		1.060
	Second floor - Sunshade	1	48.700	0.600	0.100		2.922
	Second floor - roof slab	1	7.930	5.030	0.150		5.983
	floor of Back wash tank	1	12.100	4.900	0.300		17.787
	Stair case to B/W tank steps	15	0.900	0.300	0.200		0.810
	Stair case to B/W tank landing	1	0.900	0.900	0.150		0.122
	Stair case to B/W tank slab	1	5.400	0.900	0.100		0.486
	Provision for unforseen quantity	5					5.000
	Total						226.129
				То	tal Quantity	y in cum	226.129
5.006	5.34.1						

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-	ed is payable/	recoverable	separately.Pi	roviding	M-30
	Providing de	esign mix	M30				
	Qnty same as item No. 5 & 6	1	78.626+2 26.129				304.755
	Total	•	1	•	<u>'</u>		304.755
				Tot	tal Quantity	in cum	304.755
5.007	5 9 1			200	<u> </u>	111 00111	
3.007	Centering and shut footings, bases of	ttering inc	luding strutti	ng, etc. and reconcrete	emoval of fo	rm for:F	oundations,
	Centering and	l shutterin	g				
	levelling concrete	2	11.7+9	0.150			6.210
	pile cap 600 mm	29	4*0.9	0.800			83.520
	Total	'	41.63		<u>'</u>		89.730
				Tot	tal Quantity	in sam	89.730
5.008	592			-			
	Centering and shut thickness) including Centering and shut the control of the con	ng attached					
	Side wall of bed including pipe gallery	2	61.500	4.020			494.460
	gullet wall	2	11.100	4.020			89.244
	C/W channel in pipe gallery side wall - inside	2	17.500	0.800			28.000
	C/W channel in pipe gallery side wall - out side	2	17.500	1.000			35.000
	Manifauld side wall	6	3.500	0.500			10.500
	wash water trough -in sideside wall	12	3.500	0.350			14.700
	wash water trough -out sideside wall	12	3.500	0.500			21.000
					- I		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Alum lime tank side wall - inside	10	1.500	1.300			19.500
	Alum, lime tank partitian wall	2	4.500	0.500			4.500
	Total						740.304
				To	otal Quantit	y in sqm	740.304
5.009	5.9.3						
	Centering and shur floors, roofs, landi				removal of f	orm for:S	uspended
	Centering and s	huttering					
	C/W channel cover slab	1	17.500	0.900			15.750
	C/W channel cover slab- side	2	17.5+.9	0.150			5.520
	Roof slab of GF	1	21.550	12.100			260.755
	Roof slab of GF	1	4.050	4.630			18.752
	Roof slab of GF	1	9.600	3.300			31.680
	Roof slab side of GF	1	82.000	0.150			12.300
	Main Stair case - landing	4	1.200	1.200	ANAGEMENT		5.760
	Main Stair case - slab	2	3.500	1.200			8.400
	Main Stair case - slab	2	2.300	1.200			5.520
	Main Stair case - slab	2	1.700	1.200			4.080
	Stair case to back wash water tank- landing	1	0.900	0.900			0.810
	Stair case to back wash water tank- slab	1	5.400	0.900			4.860
	Alum lime tank - landing	1	4.830	0.900			4.347
	Stair alum lime tank landing	2	1.000	1.000			2.000
	Stair case to alum lime tank	1	4.470	1.000			4.470
	Stair case to alum lime tank	1	4.020	1.000			4.020
	FF Roof slab	1	17.500	12.100			211.750
	FF Roof slab	1	4.950	3.600			17.820

Sl No	Specification	No	Length	Width	Depth Cf	Quantity
	FF Roof slab side	1	65.800	0.150		9.870
	SF - roof slab	1	7.930	5.030		39.888
	SF - roof slab and back wsh tank roof slab	2	12.100	4.900		118.580
	Stair case to Wash water tank	1	5.400	0.900		4.860
	Stair case to Wash water tank	1	0.900	0.900		0.810
	Total					792.602
				Tot	tal Quantity in sqm	792.602
5.010	5.9.5					
	Centering and shut beams, plinth beam	ttering inc ns, girders	luding strutti bressumers	ng, etc. and reand cantileve	emoval of form for: rs	Lintels,
	Centering and sh	uttering				
	beam under filter bed	4	11.500	1.650		75.900
	beam under filter bed	4	8.800	1.650		58.080
	GF plinth beam	4	12.600	1.200		60.480
	GF plinth beam	3	11.500	1.200	NAGEMENT	41.400
	GF plinth beam	3	3.300	1.200		11.880
	GF plinth beam	1	8.400	1.200		10.080
	GF plinth beam	1	4.050	1.200		4.860
	GF plinth beam	1	4.030	1.200		4.836
	GF Lintel	2	94.270	0.150		28.281
	GF sunshade	1	53.500	0.700		37.450
	GF roof beam	2	20.950	1.200		50.280
	GF roof beam	2	25.000	1.200		60.000
	GF roof beam	6	11.500	1.200		82.800
	GF roof beam	1	4.030	1.200		4.836
	GF roof beam	1	8.400	1.200		10.080
	GF roof beam	3	3.300	1.200		11.880
	FF- Lintel	2	87.500	0.150		26.250
	FF sunshade	1	65.800	0.700		46.060
	FF roof beam	5	11.500	1.200		69.000
	FF roof beam	4	16.900	1.200		81.120
	FF roof beam	1	4.350	1.200		5.220
	FF roof beam	1	3.300	1.200		3.960

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	SF lintel	2	35.340	0.150			10.602
	SF sunshade	1	48.700	0.700			34.090
	SF roof beam	2	11.500	1.200			27.600
	SF roof beam	3	4.350	1.200			15.660
	SF roof beam	1	7.330	1.200			8.796
	SF roof beam	1	3.300	1.200			3.960
	Total						885.441
				To	otal Quantit	y in sqm	885.441
5.011	5.9.6						
	Centering and shut Pillars, Piers, Abut	ttering inc tments, Po	cluding strutt osts and Strut	ing, etc. and	removal of f	orm for:C	olumns,
	Centering and sh	uttering					
	Column up to filter roof slab	12	2.100	4.020			101.304
	Column under trough	6	1.200	2.170			15.624
	Column GF to FF floor	12	2.100	4.000			100.800
	Column GF to FF floor	2	2.100	3.300	ANAGGMENT		13.860
	Column GF to FF floor	5	1.200	3.300			19.800
	Column FF floor to SF roof	20	1.500	3.000			90.000
	Column FF floor to SF roof	4	1.200	3.000			14.400
	Column SF floor	10	1.500	3.000			45.000
	Column SF floor	4	1.200	3.000			14.400
	Total						415.188
				To	otal Quantit	y in sqm	415.188
5.012	5.9.7						
	Centering and shut (excluding landing				removal of f	orm for:S	tairs,
	Centering and shu	ttering					
	Stair case to alum lime tank - steps	24	1.000	0.150			3.600
	Stair case slab side	1	4.470	0.100			0.447
	Stair case slab side	1	4.020	0.100			0.402

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Stair case landing slab side	2	1.000	0.100			0.200
	Main Stair case steps GF	44	1.200	0.150			7.920
	Main Stair case landing slab side	4	1.200	0.100			0.480
	Main Stair case - slab side	2	3.500	0.100			0.700
	Main Stair case - slab side	2	2.300	0.100			0.460
	Main Stair case - slab	2	1.700	0.100			0.340
	Stair case to B/W tank steps	15	0.900	0.200			2.700
	Stair case to B/W tank landing slab side	1	0.900	0.100			0.090
	Stair case to B/W tank slab side	1	5.400	0.100			0.540
	Total						17.879
		100		To	otal Quantit	y in sqm	17.879
5.013	5.22.6		e-PLATFOR	M FOR THE M	ANAGEMENT		
	Steel reinforcement in position and bin bars of grade Fe-50	ding all c	omplete upto	ding straigh plinth level	tening, cutti Thermo - Mo	ng, bendin echanicall	g, placing y Treated
	Steel re	in forcem	ent				
	Qnty same as item no.7	1	304.755			100.00 0000	30475.50 0
	Pile -600mm dia.(3.14*.6*.6*1 /4*7.9)	29	2.230			100.00 0000	6467.000
	Total						36942.50 0
	Total Quantity in kilogram						
5.014	22.23.1					·	

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 & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @0.70 kg per sqm Providing Crystalline slurry for water proofing treatment									
	Providing Crys	talline slu	rry for water	proofing tre	atment					
	filter bed - side wall	2	11.100	1	3.000		66.600			
	filter bed - side wall	3	3.500	2417	3.000		31.500			
	filter bed - gullet wall	2	11.100	3-16	2.700		59.940			
	WW trough - side wall	24	3.500	M EOD THE M	0.350		29.400			
	Manifauld - side wall	6	3.500	WORKS	0.500		10.500			
	Clear water channel in pipe gallery side wall	2	17.500		1.000		35.000			
	Total						232.940			
				To	otal Quantit	y in sqm	232.940			
5.015	22.23.2									
	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 & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be carpided 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 horizontal surface one coat @1.10 kg per sqm. Providing Crystalline slurry for water proofing treatment									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Floor slab of filter bed including pipe gallery	1	11.500	8.800			101.200
	WW trough slab	6	3.500	0.400			8.400
	Clear water channel in pipe gallery	1	17.500	0.600			10.500
	Total						120.100
				To	otal Quantit	y in sqm	120.100
5.016	20.6.2.1						
	Vertical load testing installation of load and dismantling of of engineer -in-Ch Single pile above:	ling platfor f test cap a arge. 50 tonne a	orm and preparter test etc.	aration of pil complete as	e head or co per specifica	nstruction ation & the	of test cap
	Vertical load testin	ng of pile					
	Vertical load testing of pile	1	2030				1.000
	Total			_			1.000
		X		Total	Quantity in	per test	1.000
5.017	Solid block mason or nearest availabl floor two level this complete.	e size con	firming to IS	2185 part I	of 1979 for s	super struc	cture up to
	Solid block ma	asonry					
	Ground floor	1	82.580	0.200	4.000		66.064
	Parapet wall	1	34.530	0.200	0.750		5.180
	First floor	1	87.500	0.200	3.000		52.500
	Parapet wall	1	44.150	0.200	0.750		6.623
	Second floor	1	35.340	0.200	3.000		21.204
	Parapet wall	1	18.900	0.200	0.750		2.835
	Deduction - Lintel GF	-1	94.270	0.200	0.150		-2.828
	Deduction - Lintel FF	-1	87.500	0.200	0.150		-2.625
	Deduction - Lintel SF	-1	35.340	0.200	0.150		-1.060
	Deduction - Rolling shutter	-2	3.000	0.200	2.800		-3.360
	Deduction - Rolling shutter	-1	2.000	0.200	2.100		-0.840

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Deduction - Jalli work	-2	3.000	0.200	1.800		-2.160
	Deduction - Opening	-1	1.200	0.200	2.100		-0.504
	Deduction -Door	-5	0.800	0.200	2.100		-1.680
	Deduction -Door	-7	1.000	0.200	2.100		-2.940
	Deduction - Door& window	-3	2.000	0.200	2.100		-2.520
	Deduction - window	-19	1.500	0.200	1.400		-7.980
	Deduction - ventilator	-5	1.500	0.200	1.400		-2.100
	Deduction columnwidth	-38	0.600	0.200	4.000		-18.240
	Total			L-0.			105.569
			- 6	To	tal Quantity	y in cum	105.569
5.018	5.18.2			KALM.			
	including centering cement mortar 1:3 jambs, sills and sof Providing jali wo	(1 cemen ffits.40 m	t: 3 fine sand	d) etc. comp	lete excludin	ng plaster	ing of the
	jali work	2	3.000	1.800			10.800
	Total	2	3.000	1.000			10.800
	Total			To	otal Quantity	v in sam	10.800
5.019	13.1.1			-	yuu Quulivit	y III SQIII	10,000
0.019	12 mm cement pla	ster of mi	x:1:4 (1 cem	nent : 4 fine s	and)		
	•		2 12mm thick		,		
	column - filter bed	12	2.100		4.020		101.304
	column - under trough	6	1.200		2.170		15.624
	column - GF	12	2.100		4.000		100.800
	column - GF	2	2.100		3.300		13.860
	column - GF	5	1.200		3.300		19.800
	column - FF	20	1.500		3.000		90.000
	column - FF	4	1.200		3.000		14.400
	GF - out side wall	1	64.600		4.000		258.400
	GF - out side wall	1	8.400		3.300		27.720
	GF -wall - lobby	1	22.360		3.300		73.788

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	GF -wall - lobby	1	15.320		3.300		50.556
	GF -wall -blower	1	14.760		3.300		48.708
	GF -wall - Chlorine room	1	22.560		4.000		90.240
	GF -wall - Chemical room	1	32.580		4.000		130.320
	GF -wall -Toilet & wash	2	9.740		4.000		77.920
	filter bed floor slab	1	11.500	8.800			101.200
	Clear water channel bottom	1	17.500	0.600			10.500
	Clear water channel side	4	17.500	1.000			70.000
	filter bed including pipe gallery -side wall	4	11.500	4.020			184.920
	filter bed including pipe gallery -side wall	2	8.800	4.020			70.752
	filter bed including pipe gallery -side wall	4	4.450	2.700	ANAGEMENT		48.060
	gullet wall	2	11.500	2.700			62.100
	W/W trough- slab	6	3.500	0.400			8.400
	W/W trough- side wall	12	3.500	0.500			21.000
	GF - roof beam	2	20.950	1.200			50.280
	GF - roof beam	2	25.000	1.200			60.000
	GF - roof beam	6	11.500	1.200			82.800
	GF - roof beam	1	4.030	1.200			4.836
	GF - roof beam	1	8.400	1.200			10.080
	GF - roof beam	3	3.300	1.200			11.880
	GF - Sunshade	2	53.500	0.650			69.550
	parapet wall	2	34.530	0.800			55.248
	GF - ceiling	1	25.000	4.630			115.750
	GF - ceiling	1	21.550	7.480			161.194
	Deduct-top of filter bed	-1	8.750	1.800			-15.750
	Deduct top of filter bed	-3	2.200	1.280			-8.448
	GF - porch ceiling	1	9.000	3.300			29.700

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	GF - open terrace	1	12.100	4.470			54.087
	GF - open terrace	1	4.050	4.630			18.752
	FF - column	20	1.500	3.000			90.000
	FF - column	4	1.200	3.000			14.400
	FF - wall - out side	1	63.400	3.000			190.200
	FF - wall -filter & pipe gallery	1	38.760	3.000			116.280
	FF - wall -stair room	1	14.860	3.000			44.580
	FF - wall -office	1	14.860	3.000			44.580
	FF - wall -lab	1	22.620	3.000			67.860
	FF - wall - alum lime tank	4	4.800	3.000			57.600
	FF - wall - alum lime room	1	16.800	3.000			50.400
	FF - wall - toilet	1	9.780	3.000			29.340
	FF - roof beam	5	11.500	1.200			69.000
	FF - roof beam	4	16.900	1.200	ANAGEMENT		81.120
	FF - roof beam	1	4.350	1.200			5.220
	FF - roof beam	1	3.300	1.200			3.960
	FF - sunshade	2	65.800	0.700			92.120
	FF - roof ceiling	1	17.500	12.100			211.750
	FF - roof ceiling	1	4.950	3.600			17.820
	Parapet wall	2	44.150	0.800			70.640
	SF - column	10	1.500	3.000			45.000
	SF - column	4	1.200	3.000			14.400
	SF - wall - out side	1	40.300	3.000			120.900
	SF - wall - stair room	1	14.860	3.000			44.580
	SF - wall - room	1	22.220	3.000			66.660
	SF - wall - dress & toilet	2	10.940	3.000			65.640
	SF - roof beam	2	11.500	1.200			27.600
	SF - roof beam	3	4.350	1.200			15.660
	SF - roof beam	1	7.330	1.200			8.796
	SF - roof beam	1	3.330	1.200			3.996
	SF - sunshade	2	48.700	0.800			77.920

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	SF - roof ceiling	1	12.100	4.900			59.290	
	SF - roof ceiling	1	7.980	4.180			33.356	
	parapet wall	1	18.900	0.800			15.120	
	deduction - Rolling shutter	-2	3.000	2.800			-16.800	
	deduction - Rolling shutter	-1	2.000	2.100			-4.200	
	deduction - Jalli work	-2	3.000	1.800			-10.800	
	deduction - opening	-1	1.200	2.100			-2.520	
	deduction - Door& window	-3	2.000	2.100			-12.600	
	deduction - Door	-7	1.000	2.100			-14.700	
	deduction - Door	-5	0.800	2.100			-8.400	
	deduction - window	-19	1.500	1.400			-39.900	
	deduction - ventilators	-5	1.500	0.600			-4.500	
	Total						4131.699	
			_	T.	4-1 04:4-	•	4121 (00	
	Total Quantity in sqm							
5.020	13.43.1		e-PLATFOR OF PUBLIC	M FOR THE W	otai Quantit	y in sqm	4131.699	
5.020	13.43.1 Applying one coat manufacture on was	of water	thinnable cer	nent primer (of approved l		4131.699	
5.020	Applying one coat	all surface	thinnable cer :Water thinn	nent primer (of approved l		4131.699	
5.020	Applying one coat manufacture on wa	all surface	thinnable cer :Water thinn	nent primer (of approved l		4131.699	
5.020	Applying one coat manufacture on was Applying one country same as	all surface oat of cen	thinnable cer :Water thinn nent primer	nent primer (of approved l			
5.020	Applying one coat manufacture on was Applying one coat Question on the coat and the	all surface oat of cen	thinnable cer :Water thinn nent primer	ment primer of able cement	of approved l	orand and	4131.699	
	Applying one coat manufacture on was Applying one coat Question on the coat and the	all surface oat of cen	thinnable cer :Water thinn nent primer	ment primer of able cement	of approved l primer	orand and	4131.699 4131.699	
	Applying one coat manufacture on was Applying one coat Question on the Coat of	all surface oat of cen 1	thinnable cer :Water thinn nent primer 4131.699	ment primer cable cement To	of approved l primer	orand and	4131.699 4131.699 4131.699	
	Applying one coat manufacture on was Applying one coat Question on the App	all surface oat of cen 1 acrylic er o or more	thinnable cer :Water thinn nent primer 4131.699 mulsion pain coats on new	ment primer of able cement To t of approved work	of approved l primer	orand and	4131.699 4131.699 4131.699	
	Applying one coat manufacture on was Applying one coat manufacture on was Applying one coat Question on the coat and a second of the coat and a se	all surface oat of cen 1 acrylic er o or more	thinnable cer :Water thinn nent primer 4131.699 mulsion pain coats on new	ment primer of able cement To t of approved work	of approved l primer	orand and	4131.699 4131.699 4131.699	
	Applying one coat manufacture on was applying one coat manufacture on was applying one coat and an even shade: Two Wall painting with an even shade: Two Wall painting will painting wil	all surface oat of cen 1 acrylic er o or more th acrylic	thinnable ceres: Water	ment primer of able cement To t of approved work	of approved l primer	orand and	4131.699 4131.699 4131.699 re to give	
	Applying one coat manufacture on was applying one coat manufacture on was applying one coat and applying one coat applyi	all surface oat of cen 1 acrylic er o or more th acrylic	thinnable ceres: Water	ment primer of able cement To t of approved work int	of approved l primer	y in sqm	4131.699 4131.699 4131.699	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Supplying and fixing rolling shutters of approved make, made of required size laths, interlocked together through their entire length and jointed together at the end locks, mounted on specially designed pipe shaft with brackets, side guide arrangements for inside and outside locking with push and pull operation comincluding the cost of providing and fixing necessary 27.5 cm long wire spring manufactured from high tensile steel wire of adequate strength conforming to part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 plaths with 1.25 mm thick top cover									
	Supplying and fixing rolling shutter									
	Supplying and fixing rolling shutter Supplying and fixing rolling and fixing rolling 1 2.000 2.100 shutter									
	Total						21.000			
			-6.0	To	otal Quantit	v in sam	21.000			
5.023	13.48.3		14-131	9 444		•				
	an under coat of process of proce	2		2.500		2.4000	36.000			
	Rolling shutter	1	2.000	2.100		00	10.080			
	Total						46.080			
				To	otal Quantit	y in sqm	46.080			
5.024	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, Aluminium 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 portionPolyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)									
	providing Alumin	nium dooi	and window	VS						
	Door & window-vertical	18	2.100			0.5800 00	21.924			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Door & window- horizontal	6	2.000			0.5800 00	6.960
	Door - vertical	14	2.100			0.5800 00	17.052
	Door - horizontal	14	1.000			0.5800 00	8.120
	Door - vertical	10	2.100			0.5800 00	12.180
	Door - horizontal	10	0.800			0.5800 00	4.640
	window- vertical	76	1.400			0.5800 00	61.712
	window- horizontal	38	1.500			0.5800 00	33.060
	Ventilator - vertical	15	0.600	lañ.		0.5800 00	5.220
	Ventilator- horizontal	10	1.000			0.5800 00	5.800
	Total		D/2	State of the state			176.668
				3-16	Total Quant	ity in kg	176.668
5.025	21.3.1	X			ī		
	Providing and fixing partitions etc. with architectural drawing aluminium snap be thickness	EPDM rungs and the ading sha	abber / neopr ne directions all be paid in	ene gasket e of Engineer basic item):	tc. complete - in -Charge With float gl	as per the . (Cost of	
	Providing glazing				hutter		
	Door & window	3	1.000	2.100			6.300
	Door & window	6	0.500	2.100			6.300
	Door	7	1.000	2.100			14.700
	Door	5	0.800	2.100			8.400
	Windows	57	0.500	1.400			39.900
	1 1 Contributor	10	0.500	0.600			3.000
	Ventilator						
	Total						78.600
5.026	Total			To	otal Quantit	y in sqm	

	Specification	No	Length	Width	Depth	Cf	Quantity				
	Providing and fixing required shade according of approved design window frame with including cutting the and fixing approved complete as per reto be measured for	cording to n/pattern, h C.P brache he grill to ed anodise quirement	IS: 1868 wi with approve ss/stainless so proper open ed aluminium and direction	th minimum ed standard steel screws @ ing size for for standard see	anodic coatinection and fixed 200 mm certains and operation around	ng of grace xed to the entre to ce eration of the openi	de AC 15) existing entre, handles ng, all				
	Providing Aluminium grill										
	Door & Windows	90	0.500			0.2500 00	11.250				
	Windows	190	1.500			0.2500 00	71.250				
	Ventilator	20	1.000			0.2500	5.000				
	Total			1.0			87.500				
			- ES		Total Quant	ity in kg	87.500				
5.027	11.41.4		(A1)	MAIN							
	and matching pign	mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Size of Tile 1000x1000 mm Laying vitrified floor tiles									
	G.F. Lobby	1	4.050	7.530			30.497				
	G.F. Lobby	1 1		7.530 3.780							
	·	1	4.050				16.178				
	G.F. Lobby	1	4.050 4.280	3.780			16.178 15.113				
	G.F. Lobby Blower	1 1 1	4.050 4.280 4.030	3.780 3.750			16.178 15.113 95.824				
	G.F. Lobby Blower Filter slab Filter slab	1 1 1 1	4.050 4.280 4.030 11.300	3.780 3.750 8.480			16.178 15.113 95.824 -15.750				
	G.F. Lobby Blower Filter slab Filter slab deduction Filter slab	1 1 1 1 -1	4.050 4.280 4.030 11.300 8.750	3.780 3.750 8.480 1.800			16.178 15.113 95.824 -15.750 -8.448				
	G.F. Lobby Blower Filter slab Filter slab deduction Filter slab deduction Main Stair case -	1 1 1 1 -1 -3	4.050 4.280 4.030 11.300 8.750 2.200	3.780 3.750 8.480 1.800			16.178 15.113 95.824 -15.750 -8.448 8.580				
	G.F. Lobby Blower Filter slab Filter slab deduction Filter slab deduction Main Stair case - steps Main Stair case -	1 1 1 -1 -3	4.050 4.280 4.030 11.300 8.750 2.200 1.300	3.780 3.750 8.480 1.800 1.280 0.300			30.497 16.178 15.113 95.824 -15.750 -8.448 8.580 4.485				
	G.F. Lobby Blower Filter slab Filter slab deduction Filter slab deduction Main Stair case - steps Main Stair case - steps Main Stair case -	1 1 1 -1 -3 22	4.050 4.280 4.030 11.300 8.750 2.200 1.300	3.780 3.750 8.480 1.800 1.280 0.300 0.150			16.178 15.113 95.824 -15.750 -8.448 8.580 4.485				
	G.F. Lobby Blower Filter slab Filter slab deduction Filter slab deduction Main Stair case - steps Main Stair case - steps Main Stair case - landing Main Stair case -	1 1 1 -1 -3 22 23	4.050 4.280 4.030 11.300 8.750 2.200 1.300 1.300	3.780 3.750 8.480 1.800 1.280 0.300 0.150 1.300			16.178 15.113 95.824 -15.750 -8.448 8.580 4.485				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	FF -stair room	1	7.830	1.500			11.745
	FF -Balcony	1	4.550	3.500			15.925
	FF -Office	1	4.050	5.640			22.842
	FF -lab	1	4.180	7.530			31.475
	FF -Alum lime tank landing	1	4.030	1.100			4.433
	FF -Alum lime steps landing	2	1.100	1.100			2.420
	FF -Alum lime steps	24	1.100	0.500			13.200
	FF -Alum lime slab side	1	4.470	0.250			1.118
	FF -Alum lime slab side	1	4.020	0.250			1.005
	FF -Main stair case- steps	22	1.300	0.500			14.300
	FF -Main stair case- landing	2	1.300	1.300			3.380
	FF -Main stair case-side	1	3.500	0.250			0.875
	FF -Main stair case-side	1	2.300	0.250	ANAGEMENT		0.575
	FF -Main stair case-side	1	1.700	0.250			0.425
	SF -stair room	1	4.050	1.500			6.075
	SF -balcony	1	4.350	3.400			14.790
	SF -Room	1	3.980	7.530			29.969
	SF -dress	1	3.400	1.890			6.426
	Total						332.712
				To	otal Quantity	y in sqm	332.712
5.028	11.39						
	Providing and layi (thickness to be sp 15622, of approve mm thick cement with white cement	ecified by d make in mortar 1:4	the manufactorium the colours White (1 cement :	eturer), of 1st te, Ivory, Gr 4 Coarse san	t quality conf ey, fume Rec ad), including	forming to d Brown,	o IS: laid on 20
	Laying glazed ce	eramic flo	or tiles				
	GF. wash& toilet	2	3.200	1.690			10.816
	FF. Toilet	1	3.200	1.690			5.408
	SF. Toilet	1	3.780	1.690			6.388
	Total						22.612
				To	otal Quantity	y in sqm	22.612

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
5.029	11.36									
	Providing and fixing I st quality ceramic glazed wall tiles conforming to IS: (thickness to be specified by the manufacturer), of approved make, in all cold shades except burgundy, bottle green, black of any size as approved by Engir Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cemer 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg including pointing in white cement mixed with pigment of matching shade contains the composition of									
	Laying ceramic glazed wall tiles									
	Alum lime tank - side wall	8	1.400	1.300			14.560			
	Alum lime tank - side wall	2	4.500	1.500			13.500			
	W/W trough	6	3.500	0.400			8.400			
	W/W trough side wall	24	3.500	0.600			50.400			
	Filter - side walls	6	3.500	3.000			63.000			
	Gullet wall	2	11.000	2.700			59.400			
	GF. Toilet & wash	2	9.780	3.000			58.680			
	FF. Toilet	1	9.780	3.000			29.340			
	SF. Toilet	1	10.940	3.000			32.820			
	Total		e-PLATFOR OF PUBLIC	M FOR THE M WORKS	IANAGEMENT		330.100			
				Te	otal Quantit	y in sqm	330.100			
5.030	16.89									
	Providing and layi water absorption le colours and shades location etc., laid of in all shapes & pat matching pigments.	ess than 0 s in for ou on 20mm terns incl s etc. com	.5% and contidoor floors thick base of uding grouting plete as per or the state of	forming to IS such as footp cement morng the joints	S: 15622 of a path, court yatar 1:4 (1 cerwith white court)	pproved rard, multi ment : 4 c ement mix	make in all models oarse sand)			
	Laying mat finis Porch	ned vidii	8.400	3.300			27.720			
	Total	1	0.400	3.300			27.720			
	Total			T	otal Quantit	v in sam	27.720			
5.031	11 26 1			10	otai Quantit	y III SYIII	41.14U			
3.031	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand)25 mm thick									
	Kota stone slab f	looring				<u> </u>				
	Chemical room	1	12.920	3.770			48.708			
	chlorine room	1	4.150	7.530			31.250			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						79.958
				To	otal Quantit	y in sqm	79.958
5.032	10.26.2						
	Providing and fixing balcony railing, standard proves steel pring	aircase rai	ling and simi				
	Providing and fix staircase and balco		rails with E.I	R.W. tubes for	or hand rails	offilter ho	ouse,
	40mm dia.	1	150.000			3.2500 00	487.500
	15mm dia.	1	500.000			0.9520 00	476.000
	Total						963.500
				,	Total Quant	ity in kg	963.500
5.033	13.71		-6				
	Lettering with blac	ck Japan p	int of approv	ed brand an	d manufactu	re	
	Lettering		1000	Wilder.		<u> </u>	
	Lettering	300		3-16	15.000		4500.000
	Total	V			_드		4500.000
		_	Total Quar	ntity in per l	Letter per ci	m height	4500.000
5.034	9.117.1		OF FUBLIC	WORKS			
	Providing and fixing having an overall of 2.0mm (± brackets and stainly vertical of the frammm (± 0.1 frame complete as chargeExtruded seepart of the provided s	dimension 0.2 mm), ess steel s nes reinfor 1 mm) wa per manu	as below (to corners of the crews, joints reed by galva Il thickness a facturer'	plerance &plue door frames mitred and anized M.S. and 3 nos. sta	usmn;1 mm) to be jointed plastic welde tube of size tinless steel h	, with wald with galed. The hi 19 x 19 m ninges fixe	Il thickness vanized nge side am and 1 ed to the
	Frame						
		2	6.000				12.000
	Total						12.000
				Tota	al Quantity	in metre	12.000
5.035	9.118.2						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and fixing Chloride (PVC) do 60x30 mm and was moulding edging of means of M.S. galt 1.0 mm and stainle galvanised M.S. turn the lock rail made 100x30 mm and 2 means of plastic/guPVC multi-chamble thickness of 20 mm vertically and tie be and fastened with and direction of En	oor shutter all thicknes on one side vanised/piess steel so abe of size the up of &# mm (&pl alvanised bered sing m and 1 m oar at two nuts and v	r made of sty ss 2 mm (&p e. The styles lastic bracker crews. The st 225x20 mm a 339;H' usmn; 0.2 m M.S. ' gle panel of s um (&plusman places by ins washers, com	les and rails clusmn; 0.2 n and rails mits of size 75x cyles of the stand 1 mm (& section, a uPm) wall thick U' clear ize not less ta; 0.1 mm) werting horizon	of a uPVC ham), with inbured and joint (220 mm have hutter reinforce) usmn; 0.1 VC hollow stress fixed to the shutter han 620 mm all thickness ontally 6 mm	ollow sectouilt decorate at the covering wall to the shutter frame for the paneral part of the paneral palvanise galvanise	tion of size rative rners by chickness serting I thickness. size ter styles by illed with a over all els filled ed M.S. rod
	uPVC Door	ingilieer ili	charge.				
		2	0.800	L-0.	2.100		3.360
	Total		G.				3.360
			417	To Long	otal Quantit	y in sqm	3.360
6	Filter media						
	100.55.1 Supplying of 2 to 0						
	100.55.1	st and other the directing ations.	er impurities) up to 5 km and ons of the de), stacking in nd labour cha partment off	standard hea arges for stac	aps for me king, spre	easurement eading,
	Supplying of 2 to of free from clay, dust including cost, cortesting and as per to CPHEEO specifical Supplying, stacking	st and other nveyance the directi ations.	er impurities) up to 5 km ar ons of the de	o, stacking in a labour character off per character of the compartment off pebbles	standard hea arges for stac icers etc. cor	aps for me king, spre	easurement eading, per 7.350
	Supplying of 2 to 0 free from clay, dus including cost, cortesting and as per to CPHEEO specifical Supplying, stackin Fine pebbles	st and other nveyance the directi ations.	er impurities) up to 5 km ar ons of the de	o), stacking in the labour character of the labour cha	standard hea arges for stac icers etc. cor	aps for me king, spre nplete as	easurement eading, per 7.350
6.001	Supplying of 2 to 6 free from clay, dus including cost, cortesting and as per to CPHEEO specificates Supplying, stacking Fine pebbles Total 100.55.2 Supplying of 12 to dust and other impronveyance up to the directions of the supplying of the supplying of the directions of the supplying of th	st and other reversions. In a spread of the directions. In a	er impurities; up to 5 km ar ons of the de eading fine p 3.500 ze pebble (petacking in state abour charge	pebbles 3.500 To ebbles shall be and ard heaps so for stacking in the stacki	otal Quantity be hard, clear for measure g, spreading,	y in cum n, free froment includes testing as	7.350 7.350 7.350 m clay, uding cost,
6.001	Supplying of 2 to 0 free from clay, dus including cost, cortesting and as per to CPHEEO specification. Supplying, stacking Fine pebbles Total 100.55.2 Supplying of 12 to dust and other improveyance up to 3 the directions of the specification.	st and other the directivations. In a gand spread of the directivations. In a gand spread of the directivations. In a gand spread of the directivations of the directivations. In a gand spread of the directivation of	er impurities; up to 5 km ar ons of the de eading fine a 3.500 ze pebble (petacking in state abour chargement officers	ebbles shall the andard heaps so for stacking in the labour characteristics of the labour charac	otal Quantity oe hard, clear for measure g, spreading, and as per C	y in cum n, free froment includes testing as	7.350 7.350 7.350 m clay, uding cost,
6.001	Supplying of 2 to 6 free from clay, dus including cost, cortesting and as per to CPHEEO specificates Supplying, stacking Fine pebbles Total 100.55.2 Supplying of 12 to dust and other impronveyance up to the directions of the supplying of the supplying of the directions of the supplying of th	st and other the directivations. In a gand spread of the directivations. In a gand spread of the directivations. In a gand spread of the directivations of the directivations. In a gand spread of the directivation of	er impurities; up to 5 km ar ons of the de eading fine a 3.500 ze pebble (petacking in state abour chargement officers	ebbles shall the andard heaps so for stacking in the labour characteristics of the labour charac	otal Quantity oe hard, clear for measure g, spreading, and as per C	y in cum n, free froment includes testing as	7.350 7.350 7.350 m clay, uding cost,
6.001	Supplying of 2 to 6 free from clay, dus including cost, cortesting and as per to CPHEEO specification. Supplying, stackin Fine pebbles Total 100.55.2 Supplying of 12 to dust and other impronveyance up to state directions of the specification. Supplying, stackin 12 to 20mm size	st and other reversions. It is a specific at the directions. It is a specific at the directions. It is a specific at the directions. It is a specific at the direction and specific at the direction at the di	re impurities; up to 5 km ar ons of the de eading fine p 3.500 ze pebble (per tacking in state abour chargement officers reading 12 to	cebbles shall be and ard heaps so for stacking in the stacking in the labour characteristics of the stacking in the labour characteristics of the labour cha	otal Quantity oe hard, clear for measure g, spreading, and as per C pebbles	y in cum n, free froment includes testing as	7.350 7.350 7.350 m clay, uding cost, nd as per
6.001	Supplying of 2 to 6 free from clay, dus including cost, cortesting and as per to CPHEEO specificates. Supplying, stacking Fine pebbles Total 100.55.2 Supplying of 12 to dust and other importates conveyance up to state directions of the specification. Supplying, stacking 12 to 20mm size pebbles	st and other reversions. It is a specific at the directions. It is a specific at the directions. It is a specific at the directions. It is a specific at the direction and specific at the direction at the di	re impurities; up to 5 km ar ons of the de eading fine p 3.500 ze pebble (per tacking in state abour chargement officers reading 12 to	ebbles shall bendard heaps so for stacking etc complete 3.500	otal Quantity oe hard, clear for measure g, spreading, and as per C pebbles	y in cum n, free froment included testing as	7.350 7.350 7.350 7.350 7.350 7.350 7.350

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supplying of 20 to and other impurition conveyance up to directions of the de	es), stacki 5 km and	ng in standar labour charg	d heaps for r es for stackir	neasurement ng, spreading	including , testing a	g cost, and as per
	Supplying, stacking	ng and spr	reading 20 to	40mm size	pebbles		
	20 to 40mm size pebbles	3	3.500	3.500	0.250		9.188
	Total						9.188
				To	tal Quantity	y in cum	9.188
6.004	100.55.4						
	Supplying and stac 0.70 mm and unifor - 2.65 and hard and materials, labour of directions of the disapplying, stacking	ormity coed clean, froharges an epartment	efficient 1.30 ree from clay d conveyance officers etc.	to 1.7, of spo , dust and oth e of materials complete an	ecific gravity ner impuritie s up to 5 km	in the ra s includin and as pe	nge of 2.55 g cost of r the
	filter sand	3	3.500	3.500	0.750		27.563
	Total		230	Michigan.			27.563
				To	tal Quantity	y in cum	27.563
7	Back wash water t	ank					
7.001	5.33.2		e-PLATFOR	M FOR THE M	ANAGEMENT		
	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 centerion mmended workabilitieer - in-chess or less	or reinforced including puting, shuttering I proportions ty without in large. Note:- cement used	cement concumping of co g, finishing a as per IS: 91 npairing streat Cement cont as per design	rete work, us ncrete to site and reinforce .03 to acceler ngth and dura tent consider n mix is paya	of laying ment, incoment, retarrate, retarrability as ed in this	nt content g but luding d setting of per item is @
	Providing and l	aying Des	sign mix -M2	25 cement co	ncrete		
	Side wall	1	30.300	0.250	3.000		22.725
	Haunch	1	29.300	0.300	0.700		6.153
	Cover slab	1	12.100	4.750	0.150		8.621
	Deduct Column width	-8	0.300	0.250	3.000		-1.800
	Beams	4	3.650	0.300	0.350		1.533
	Beams	2	11.000	0.300	0.350		2.310
	Deduct MH	-2	0.600	0.600	0.150		-0.108
	Total						39.434
				To	tal Quantity	y in cum	39.434

Total Total Total Quantity in cum 39.4 7.003 5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more Steel Reinforcement 1 39.434 Total Total Total Quantity in kilogram 3943.4 Total Quantity in kilogram 3943.4 Total Quantity in kilogram 3943.4 Total Quantity in kilogram 3943.5 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. Centering and shuttering Side wall out side 1 31.300 3.000 87.5 Side wall inside 1 29.300 3.000 87.5 Total Total Quantity in sqm 202.3 Total Centering and shuttering including strutting, etc. and removal of form for:Suspender floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab 1 12.100 4.750 Cover slab - sides 1 33.700 0.150 Total Total Quantity in sqm 62.5 Total Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering	Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
Quantity as per item No.1 39.434 39.4 Total Total Total Quantity in cum 39.4 Total Total Quantity in cum 39.4 Total Total Quantity in cum 39.4 Total Quantity in cum 39.4 Total Quantity in cum 39.4 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more Steel Reinforcement 1 39.434 100.00 3943.4 Total Total Quantity in kilogram 3943.4 Total Quantity in		specified cement c grade concrete inst	ontent use ead of M	ed is payable	/ recoverable	e separately.I	Providing	M-30
Total Total Quantity in cum 39.4 5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placin in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more Steel Reinforcement 1 39.434 Total Quantity in kilogram 3943.4 Total Quantity in kilogram 3943.4 7.004 5.9.2 Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. Centering and shuttering Side wall out side 1 31.300 3.000 93.5 Side wall inside 1 29.300 3.000 87.5 Total Quantity in sqm 202.3 7.005 5.9.3 Centering and shuttering including strutting, etc. and removal of form for: Suspender floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab 1 12.100 4.750 Cover slab 1 12.100 4.750 5.9.6 Centering and shuttering including strutting, etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Strutts Centering and shuttering including strutting, etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Strutts Centering and shuttering		Providing riche	r mix-M	30 grade				
Total Quantity in cum 39.2			1	39.434				39.434
Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more Steel Reinforcement		Total						39.434
Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more Steel Reinforcement 1 39,434 100.00 0000 3943.4 Total					To	otal Quantit	y in cum	39.434
in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more Steel Reinforcement 1 39,434 100,00 3943.4 Total 3943.4 Total Quantity in kilogram 3943.4 7.004 5.9.2 Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. Centering and shuttering Side wall out side 1 31.300 3.000 93.5 Side wall inside 1 29.300 3.000 87.5 haunch 1 29.300 0.700 20.5 Total 202.3 Total Quantity in sqm 202.3 7.005 5.9.3 Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab 1 12.100 4.750 5.6 Total Quantity in sqm 62.5 Total Quantity in sqm 62.5 Total Quantity in sqm 62.5 Total Centering and shuttering including strutting, etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering	7.003	5.22.6						
1 39.434 100.00 3943.4		in position and bin	ding all c	omplete upto				
Total		Steel Reinford	cement				T	
7.004 5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. Centering and shuttering Side wall out side			1	39.434				3943.400
7.004 5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. Centering and shuttering Side wall out side		Total		44175				3943.400
Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. Centering and shuttering Side wall out side					Total ()uantity in k	kilogram	3943.400
Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. Centering and shuttering Side wall out side	7.004	5.9.2			-			
Side wall out side		Centering and shut thickness) including	tering inc g attache	rluding strutt d pilasters, b	ing, etc. and utteresses, pl	removal of f linth and stri	orm for:W	Valls (any s etc.
Side wall inside		Centering and shu	ıttering					
haunch		Side wall out side	1	31.300		3.000		93.900
Total Quantity in sqm 202.3 7.005 5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab		Side wall inside	1	29.300		3.000		87.900
7.005 5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab		haunch	1	29.300		0.700		20.510
7.005 5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab		Total						202.310
Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab					To	otal Quantit	y in sqm	202.310
floors, roofs, landings, balconies and access platform Centering and shuttering Cover slab Cover slab - sides 1 2.100 4.750 57.4 Cover slab - sides 1 33.700 0.150 5.0 Total Total Quantity in sqm 62.5 7.006 5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering	7.005	5.9.3						
Cover slab		Centering and shut floors, roofs, landing	tering inc	cluding struttonies and acc	ing, etc. and ess platform	removal of f	orm for:S	uspended
Cover slab - sides 1 33.700 0.150 5.0 Total 62.5 Total Quantity in sqm 62.5 7.006 5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering		Centering and shu	uttering		Ţ		· · · · · · · · · · · · · · · · · · ·	
Total Total Quantity in sqm 62.5 7.006 5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering		Cover slab	1	12.100	4.750			57.475
7.006 5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering		Cover slab - sides	1	33.700	0.150			5.055
7.006 5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering		Total						62.530
Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts Centering and shuttering					To	otal Quantit	y in sqm	62.530
Pillars, Piers, Abutments, Posts and Struts Centering and shuttering	7.006	5.9.6						
						removal of f	orm for:C	olumns,
column 8 3.000 1.200 28.8		Centering and shu	ttering					
		column	8	3.000	1.200			28.800

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						28.800
				To	otal Quantit	y in sqm	28.800
7.007	5.9.21						
	Centering and shubeams, plinth bear thick.						
	Centering & an	np; shutte	ring				
	Beams	4	3.650		1.000		14.600
	Beams	2	11.000		1.000		22.000
	Total						36.600
				To	otal Quantity	y in sqm	36.600
7.008	13.1.1						
	12 mm cement pla	ster of mi	x:1:4 (1 cem	ent: 4 fine s	sand)		
	Plastering 1:4		-6.2				
	Side wall out side	1	31.300	24H)	3.000		93.900
	Side wall inside	1	29.300	200	3.000		87.900
	Haunch	1	29.300	710	0.350		10.255
	Cover slab	1	12.100	4.750			57.475
	Cover slab-sides	1	33.700	M FOR THE M	anas 0.150		5.055
	Beams	4	3.650	1.000			14.600
	Total						269.185
				To	otal Quantity	y in sqm	269.185
7.009	22.23.1					<u> </u>	
	Providing and app waterproofing trea water tanks, roof s / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremeability of co DIN 1048 and resis slurry shall be capshall be carried out engineerincharge. The produleakage. For vertical	tment to the labs, poding edeck et esturry: 2 esturry: 1 edinternativements increte by stant to 10 able of set all compact perform	he RCC structums, reservice, prepared by parts water) part water) to side with the sas specified is more than 90 bar hydrost lf-healing of plete as per speakers.	ctures like report, sewage & by mixing in for vertical sorthorizontate help of synthese the ACI-212-30% compared atic pressure cracks up to be cification and arry guarante	taining walls water treatn the ratio of 5 surfaces and I surfaces and I surface a	of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applying brush. The by reducing l concrete side. The 50mm. Thion of the	sement, , tunnels rts arts g the ne material g as per crystalline he work
	Providing and ap			Т	Т	Т	
	Side wall	1	30.300		3.000		90.900
	Total						90.900

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				To	otal Quantit	y in sqm	90.900
7.010	22.23.2						
	Providing and apply waterproofing treat water tanks, roof so so subway and bridge integral crystalline integral crystalline same from negative shall meet the requiremental permeability of condition of the condi	tment to the labs, poding deck et a slurry: 2 slurry: 1 e (internativements norete by stant to 1 able of set all compact perforn	the RCC structums, reservice, prepared by parts water) part water) side with the as specified more than 90 bar hydrost lf-healing of plete as per spenance shall carried	ctures like report, sewage & cor, sewage & c	training walls water treatre the ratio of surfaces and all surfaces and on the tic fiber 3R-2010 i.e. It with control on negative a width of 0 and the directed for 10 years	s of the bannent plant 5: 2 (5 pa 3: 1 (3 pad applyin brush. They reducired concrete side. The .50mm. They for the .50mm. They for the .50mm.	sement, tunnels rts arts g the ne material g as per crystalline he work
	Providing and ap		-1	<u>e 1.10 kg pci</u>	sqiii.		
	Floor slab	1	11.000	3.650			40.150
	Total		and the	The state of the s			40.150
				T	otal Quantit	y in sqm	40.150
7.011	13.43.1	X					
	Applying one coat manufacture on wa	all surface				brand and	
	Applying cemer	nt primer					
	Side wall out side	1	31.300		3.000		93.900
	Cover slab	1	12.100	4.750			57.475
	Cover slab-sides	1	33.700		0.150		5.055
	Total						156.430
				Te	otal Quantit	y in sqm	156.430
7.012	13.60.1						
	Wall painting with an even shade:Two				d brand and	manufactı	ire to give
	Wall painting wit	h acrylic	emulsion				
	Quantity as per item No11.	1	156.430				156.430
	Total						156.430
				To	otal Quantit	y in sqm	156.430
7.013	10.25.2						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Item Shifted to Sultem Shifted to hea Steel work welded in position and appetc. as required.In similar works	ad 14 as it in built u olying a pi	em 14.74 p sections/fraiming coat o	amed work, and approved s	steel primer u	ising struc	tural steel
	Steel work						
	For Ladder	2				50.000 000	100.000
	For hand rail	1				150.00 0000	150.000
	Total						250.000
					Total Quant	ity in kg	250.000
7.014	100.98.460						
	Supply of CI Doub Valve with Cap Pl			ve Conformi	ing to IS 148	46 - 2000,	Sluice
	Supply 150mm va	lve		245			
	Supply 150mm valve	1					1.000
	T-4-1						1.000
	Total						1.000
7 015			OF PUBLIC	MILON THEIR	Total Quant	ity in no	
7.015	18.66.1 Providing and layi caps etc., suitable Providing DI sp	for flange	LI Standard s	specials such	as tees, beno	ds, collars	1.000
7.015	18.66.1 Providing and layi caps etc., suitable	for flange	LI Standard s	specials such	as tees, beno	ds, collars	1.000 tapers and
7.015	18.66.1 Providing and layi caps etc., suitable Providing DI sp	for flange ecials	LI Standard s	specials such	as tees, beno	0.2800 00 0.4500	1.000 tapers and 0.560
7.015	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall	for flange ecials	LI Standard s	specials such	as tees, beno	0.2800 00 0.4500	1.000 tapers and 0.560 0.900
7.015	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall casting pipe 250 mm dia. wall	for flange ecials 2	LI Standard s	specials such	as tees, beno	0.2800 00 0.4500 00 0.8500	1.000 tapers and 0.560 0.900
7.015	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall casting pipe 250 mm dia. wall casting pipe	for flange ecials 2	LI Standard s	specials such per IS: 1538	as tees, beno	0.2800 00 0.4500 00 0.8500	0.560 0.900 0.850 2.310
	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall casting pipe 250 mm dia. wall casting pipe	for flange ecials 2	LI Standard s	specials such per IS: 1538	as tees, bend E:UPto 300 m	0.2800 00 0.4500 00 0.8500	0.560 0.900 0.850 2.310
	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall casting pipe 250 mm dia. wall casting pipe Total	for flange ecials 2 2 1 Dle Flange	C.I Standard s d jointing as	specials such per IS: 1538	as tees, bend E:UPto 300 m	0.2800 00 0.4500 00 0.8500 00	1.000 tapers and 0.560 0.900 0.850 2.310
	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall casting pipe 250 mm dia. wall casting pipe Total 100.98.458 Supply of CI Doub	for flangerecials 2 2 1 Dle Flangereck N 1.6, Size	d Sluice Vale 100mm.	specials such per IS: 1538	as tees, bend E:UPto 300 m	0.2800 00 0.4500 00 0.8500 00	1.000 tapers and 0.560 0.900 0.850 2.310
	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall casting pipe 250 mm dia. wall casting pipe Total 100.98.458 Supply of CI Doub Valve with Cap Pl Supply of 100mm 100mm DI sluice valve	for flangerecials 2 2 1 Dle Flangereck N 1.6, Size	d Sluice Vale 100mm.	specials such per IS: 1538	as tees, bend E:UPto 300 m	0.2800 00 0.4500 00 0.8500 00	1.000 tapers and 0.560 0.900 0.850 2.310 Sluice
	18.66.1 Providing and layi caps etc., suitable Providing DI sp 100 mm dia. wall casting pipe 150 mm dia. wall casting pipe 250 mm dia. wall casting pipe Total 100.98.458 Supply of CI Doub Valve with Cap Pl Supply of 100mm 100mm DI sluice	ole Flange N 1.6, Size	d Sluice Vale 100mm.	specials such per IS: 1538	as tees, bend E:UPto 300 m	0.2800 00 0.4500 00 0.8500 00	1.000 tapers and 0.560 0.900 0.850 2.310 2.310

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Conveying and fixinsertions etc., con will be paid separa	nplete, but	t excluding tl	he cost of the			
	fixing 150mm valy	'e				-	
	fixing 150mm valve	1					1.000
	Total						1.000
				,	Total Quanti	ity in no	1.000
7.018	100.31.1.2						
	Conveying and fixinsertions etc., comwill be paid separa	nplete, but	t excluding tl	he cost of the			
	Laying of 100mm	DI sluice	valve				
	Laying of 100mm DI sluice valve	2	J	le/_			2.000
	Total		a fix				2.000
			111465		Total Quanti	ity in no	2.000
			100070	1 HONELE		•/	
7.019	100.36.1 Filling water with a of 5 km (average)	to the rese	ervoir site an	l in lorry and d pumping tl	I conveying when water into	vater from	oir of
7.019	Filling water with:	to the rese 1 3 m usin	ervoir site and g 5 HP diese	l in lorry and d pumping tl el engine pur	I conveying when water into	vater from	oir of
7.019	Filling water with a of 5 km (average) theight not less that and other applience Filling water	to the reset a 3 m using the sand cos	ervoir site and ag 5 HP diese st of water et	l in lorry and d pumping tl el engine pur	I conveying when water into	vater from	oir of lorry, tools
7.019	Filling water with a of 5 km (average) theight not less than and other applience Filling water Wash water tank	to the reset a 3 m using the sand cos	ervoir site and ag 5 HP diese st of water et	l in lorry and d pumping tl el engine pur c. complete.	I conveying when water into	vater from the reserv or tanker	roir of lorry, tools
	Filling water with a of 5 km (average) theight not less than and other applience Filling water Wash water tank	to the reset a 3 m using the sand cos	ervoir site and ag 5 HP diese st of water et	l in lorry and d pumping tl el engine pur c. complete.	I conveying we water into mp set, hire f	vater from the reserv or tanker	108.000
	Filling water with a of 5 km (average) theight not less than and other applience Filling water Wash water tank Total	to the resendence and cost to the resentence and	ervoir site and g 5 HP diese st of water et 108.000	l in lorry and d pumping the lengine purc. complete. Total (I conveying we water into appropriate the conveying water into appropriate the conveying water in the conveying water into a conveying wa	vater from the reserv for tanker	108.000 108.000
	Filling water with a of 5 km (average) theight not less than and other applience. Filling water Wash water tank Total 100.41.33 Supplying and fixing the stank of the stan	to the resen 3 m using es and cost	ervoir site and g 5 HP diese st of water et 108.000 m dia C.I. malbour charges	I in lorry and pumping the lengine purc. complete. Total (anhole cover setc., complete setc.)	I conveying we water into appropriate the conveying water into appropriate the conveying water in the conveying water into a conveying wa	vater from the reserv for tanker	108.000 108.000
	Filling water with a of 5 km (average) theight not less than and other applience. Filling water Wash water tank Total 100.41.33 Supplying and fixing charges including a	to the resen 3 m using es and cost	ervoir site and g 5 HP diese st of water et 108.000 m dia C.I. malbour charges	I in lorry and pumping the lengine purc. complete. Total (anhole cover setc., complete setc.)	I conveying we water into appropriate the conveying water into appropriate the conveying water in the conveying water into a conveying wa	vater from the reserv for tanker	108.000 108.000
	Filling water with a of 5 km (average) theight not less than and other applience. Filling water Wash water tank Total 100.41.33 Supplying and fixing charges including a Supplying and fix	ng 500mm	ervoir site and g 5 HP diese st of water et 108.000 m dia C.I. malbour charges	I in lorry and pumping the lengine purc. complete. Total (anhole cover setc., complete setc.)	I conveying we water into appropriate the conveying water into appropriate the conveying water in the conveying water into a conveying wa	vater from the reserv for tanker	108.000 108.000 108.000 uty)
	Filling water with a of 5 km (average) theight not less than and other applience. Filling water Wash water tank Total 100.41.33 Supplying and fixing charges including a Supplying and fixing and fixing and hole cover	ng 500mm	ervoir site and g 5 HP diese st of water et 108.000 m dia C.I. malbour charges	I in lorry and d pumping the lengine purch. complete. Total (anhole cover setc., complete.)	I conveying we water into appropriate the conveying water into appropriate the conveying water in the conveying water into a conveying wa	vater from the reserv for tanker	108.000 108.000 108.000 uty)
7.020	Filling water with a of 5 km (average) theight not less than and other applience. Filling water Wash water tank Total 100.41.33 Supplying and fixing charges including a Supplying and fixing and fixing and hole cover	ng 500mr all cost, la	ervoir site and g 5 HP diese st of water et 108.000 m dia C.I. malbour charges	I in lorry and d pumping the lengine purch. complete. Total (anhole cover setc., complete.)	l conveying we water into mp set, hire for the conveying water into mp set, hire for the conveying water in the conveying water into the conveying water int	vater from the reserv for tanker	108.000 108.000 108.000 uty)
7.020	Filling water with a of 5 km (average) theight not less than and other applience. Filling water Wash water tank Total 100.41.33 Supplying and fixing charges including a Supplying and fix Man hole cover Total	to the resender a musing sand cost and cost and cost and cost and cost are all cost, large sources are all cost, large sources are all cost are all	ater level indate with in the gath of the float,& and level indi	Total (anhole cover s etc., complete of rame work at; br> necessor, painting and announced to the end of the cover of the end of the cover of the end	Quantity in K with frame (nete. Total Quantity in K tank using sock of suitable socks ary pullicating the entire set.	vater from the reserv or tanker Vilo litre medium d ity in no cale fabric size MS so s, suitable structure,	108.000 108.000 108.000 108.000 2.000 2.000 2.000 ated out of quare tube, enylon

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Water level indicator	1					1.000
	Total						1.000
				,	Total Quant	ity in no	1.000
7.022	OD50138/2022-20)23					
	Supply and Fitting	100 mm	Vent cowl				
	Supplying and fitt	ing Vent c	owl-100mm				
	Vent cowl- 100mm	4					4.000
	Total						4.000
				,	Total Quant	ity in no	4.000
8	Clear water chann	el					
8.001	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,	n in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting
	Earth work for t	foundation					
	Channel	1	35.000	1.000	1.500		52.500
	Total		OF PUBLIC	WORKS			52.500
				To	otal Quantit	y in cum	52.500
8.002	4.1.3						
	Providing and lavi	ng in posi			specified grad		
	of centering and sl (zone-III) : 4 grade	nuttering -	All work upgregate 20 i	to plinth lev mm nominal	vel:1:2:4 (cer size)	nent : 2 co	parse sand
	of centering and sl	nuttering - ed stone a	· All work up	to plinth lev	vel:1:2:4 (cer size)	nent : 2 co	oarse sand
	of centering and sl (zone-III) : 4 grade	nuttering - ed stone a	All work upggregate 20	to plinth level mm nominal	size)	nent : 2 co	oarse sand 7.000
	of centering and sl (zone-III): 4 grade Providing CC 1:	nuttering - ed stone a 2:4	ggregate 20	mm nominal	size)	nent : 2 co	
	of centering and sl (zone-III): 4 grade Providing CC 1: CC 1:2:4	nuttering - ed stone a 2:4	ggregate 20	mm nominal	size)		7.000
8.003	of centering and sl (zone-III): 4 grade Providing CC 1: CC 1:2:4	nuttering - ed stone a 2:4	ggregate 20	mm nominal	0.200		7.000 7.000
8.003	of centering and sl (zone-III): 4 grade Providing CC 1: CC 1:2:4 Total	nuttering - ed stone a 2:4 ng in posioncrete for esign mix, of centerior workabilitieer - in-chess or less	ation machine ation machine ar reinforced including pung, shuttering proportions ty without in large. Note:- cement used	as per IS: 91 mpairing stre Cement con	otal Quantited machine materiate work, us oncrete to site and reinforce 103 to accele ngth and dur tent consider	y in cum ixed designing ceme e of layingement, incrate, retarability as red in this	7.000 7.000 7.000 7.000 gn mix M- nt content g but luding d setting of per item is @
8.003	of centering and sl (zone-III): 4 grade Providing CC 1: CC 1:2:4 Total 5.33.1 Providing and layi 25 grade cement c as per approved de excluding the cost admixtures in reco concrete, improve direction of Engin 330 kg/ cum. Exce	ng in posioncrete for centering min posioncrete for centering min posioncrete for centering mended workabilities or less or less k upto pli	35.000 ation machine reinforced including pung, shuttering proportions ty without in large. Note:-cement used onth level	as per IS: 91 mpairing stre Cement con	otal Quantited machine materiate work, us oncrete to site and reinforce 103 to accele ngth and dur tent consider	y in cum ixed designing ceme e of layingement, incrate, retarability as red in this	7.000 7.000 7.000 7.000 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	35.000	0.150	0.500		5.250
	Cover slab	1	35.000	0.800	0.200		5.600
	Total						16.450
				To	tal Quantity	y in cum	16.450
8.004	5.34.1						
	Extra for providing specified cement c grade concrete inst in M-30 is @ 340	ontent use ead of M	ed is payable/	recoverable	separately.F	Providing	M-30
	Providing richer	mix					
	Quantity as per item No 3	1	16.450				16.450
	Total						16.450
				To	tal Quantity	y in cum	16.450
8.005	5.9.1		- 683				
	Centering and shut footings, bases of				removal of f	orm for:F	oundations,
	Form work			3-16			
	Side wall -inside	2	35.000		0.500		35.000
	Side wall - outside	2	35.000	M FOR THE M WORKS	0.700		49.000
	Cover slab-sides	70	2.600		0.200		36.400
	Total						120.400
				To	tal Quantity	y in sqm	120.400
8.006	5.22.6					-	
	Steel reinforcement in position and bin bars of grade Fe-50	ding all c	omplete upto				
	Steel Reinforcer						
		1	16.450			100.00 0000	1645.000
	Total						1645.000
				Total Q	uantity in k	ilogram	1645.000
8.007	13.1.1						
	12 mm cement pla	ster of mi	x:1:4 (1 cem	ent : 4 fine s	and)		
	Plastering 1:4		`		,		
	Side wall Inside	2	35.000		0.500		35.000
	bottom slab	1	35.000	0.500			17.500
	Cover slab top	1	35.000	0.800			28.000
	Total		<u> </u>				80.500

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				Te	otal Quantit	y in sqm	80.500
8.008	22.23.1						
	Providing and app- waterproofing trea water tanks, roof s / subway and bridg integral crystalline integral crystalline same from negative shall meet the requipermeability of condition DIN 1048 and resist slurry shall be cape shall be carried out engineerin- charge. The product leakage. For vertical	the timent to the labs, poding edeck et es slurry: 2 es slurry: 1 es (internativements norete by estant to 10 able of set all comparts of the labs	the RCC structums, reservice., prepared by parts water) a part water) all side with the as specified more than 90 between the as per specified	ctures like report, sewage & cor, sewage & c	the ratio of surfaces and surfaces and surfaces and the tic fiber 3R-2010 i.e. but with control on negative a width of 0 and the directed for 10 years	s of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applyin brush. They reducird concrete side. The 50mm. The control of the side of	sement, , tunnels rts arts g the ne material g as per crystalline he work
	Side wall inside	reatment 2	35.000		0.500		35.000
	Total	2	33.000	William.	0.500		35.000
				T	otal Quantit	v in sam	35.000
8.009	Providing and app waterproofing trea water tanks, roof s / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremental permeability of condition DIN 1048 and resistance shall be carried out engineerincharge. The product leakage. For horizon water proofing Treatment of the proofing T	ttment to the labs, poding edeck et es slurry: 2 es slurry: 1 es (internativements norete by estant to 10 able of set all comportal surface).	the RCC structums, reservice., prepared by parts water) a part water) all side with the as specified more than 90 bar hydrost lf-healing of plete as per spenance shall cannot be seen as per spenance shall be seen a	ctures like report, sewage & or, sewage & or	taining walls water treath the ratio of surfaces and surfaces and withetic fiber 3R-2010 i.e. but with controls on negative a width of 0 and the directed for 10 years	s of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applyin brush. They reducird concrete side. The 50mm. Tion of the	sement, , tunnels rts arts g the he material g as per crystalline he work
	Floor slab	1	35.000	0.500			17 500
	Total	1	33.000	0.500			17.500 17.500
				To	otal Quantit	y in sam	17.500
Q	Clear water Sump	Pump he	Olice				-
) I	CICUI WOOD SUILIP	, I will p in	ouse				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	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 width id up to 50 m	as well as 10 and lift up t) sqm on 1	plan)
	EW excavation f						
	For Sump	1	11.500	11.500	1.500		198.375
	Total		1				198.375
				To	tal Quantity	y in cum	198.375
9.002	OD61527/2022-20)23			•		
	over areas (exceed including disposal disposed earth to be Additional Earth	of excava be levelled	ited earth, lea and neatly d	nd up to 50 m Iressed. All k	and lift fror	n 1.5m to	3.0m,
			67.1386	A)/XX			198.375
	Total		(0), (22)	100			
9.003	OD61525/2022-20 Earth work in exca	avation by		means (Hydi		ntor)/manı	ıal means
9.003	OD61525/2022-20 Earth work in excaover areas (exceed including disposal disposed earth to be	avation by ling 30 cm of excava be levelled	in depth, 1.5 ted earth, lead and neatly d	means (Hydron) of m in width and up to 50 m dressed. All k	raulic excava as well as 10 and lift fror tinds of soil.	ntor)/manu	ıal means plan)
9.003	OD61525/2022-20 Earth work in exca over areas (exceed including disposal disposed earth to b Additional Earth	avation by ling 30 cm of excava be levelled	in depth, 1.5 ted earth, lead and neatly d	means (Hydrone) of m in width and up to 50 m dressed. All k	raulic excava as well as 10 and lift fror tinds of soil.	ntor)/manu	ual means plan) 4.5m,
9.003	OD61525/2022-20 Earth work in excaover areas (exceed including disposal disposed earth to be	avation by ling 30 cm of excava be levelled work in e	in depth, 1.5 ited earth, lead and neatly decreased accavation by	means (Hydromeans) min width and up to 50 m lressed. All k	raulic excava as well as 10 and lift fror cinds of soil. means	ntor)/manu	ual means plan) 4.5m, 112.413
9.003	OD61525/2022-20 Earth work in exca over areas (exceed including disposal disposed earth to b Additional Earth for sump	avation by ling 30 cm of excava be levelled work in e	in depth, 1.5 ited earth, lead and neatly decreased accavation by	means (Hydrone) of m in width ad up to 50 m lressed. All komechanical	raulic excava as well as 10 and lift fror cinds of soil. means 0.850	ntor)/manu) sqm on j n 3.0m to	ual means plan) 4.5m, 112.413
	OD61525/2022-20 Earth work in exca over areas (exceed including disposal disposed earth to b Additional Earth for sump	avation by ling 30 cm of excava be levelled work in e	in depth, 1.5 ited earth, lead and neatly decreased accavation by	means (Hydrone) of m in width ad up to 50 m lressed. All komechanical	raulic excava as well as 10 and lift fror cinds of soil. means	ntor)/manu) sqm on j n 3.0m to	ual means plan) 4.5m, 112.413 112.41 3
	OD61525/2022-20 Earth work in excaover areas (exceedincluding disposal disposed earth to be Additional Earth for sump	with 5HP	a in depth, 1.5 I and neatly depth and	means (Hydromeans) min width ad up to 50 m lressed. All k mechanical 11.500 To ump set inchengine and p	raulic excava as well as 10 and lift fror cinds of soil. means 0.850	yance to tl	112.413 112.413 112.413 ne site,
	OD61525/2022-20 Earth work in excaover areas (exceedincluding disposal disposed earth to be Additional Earth for sump Total Bailing out water verecting, dismantli	with 5HP	a in depth, 1.5 I and neatly depth and	means (Hydromeans) min width ad up to 50 m lressed. All k mechanical 11.500 To ump set inchengine and p	raulic excava as well as 10 and lift fror cinds of soil. means 0.850	yance to tl	112.413 112.413 112.413
	OD61525/2022-20 Earth work in excaover areas (exceed including disposal disposed earth to be Additional Earth for sump Total 100.7.1 Bailing out water verecting, dismantliand other stores pa	with 5HP	a in depth, 1.5 I and neatly depth and	means (Hydromeans) min width ad up to 50 m lressed. All k mechanical 11.500 To ump set inchengine and p	raulic excava as well as 10 and lift fror cinds of soil. means 0.850	yance to tl	112.413 112.413 112.413 ne site, icating oil
	OD61525/2022-20 Earth work in excaover areas (exceedincluding disposal disposed earth to be Additional Earth for sump Total 100.7.1 Bailing out water verecting, dismantliand other stores paralleling out water verecting out water verections.	with 5HP with 5HP with 5HP with 5HP	a in depth, 1.5 I and neatly depth, 1.5 I and neatly depth in the second in the seco	means (Hydromeans) min width ad up to 50 m lressed. All k mechanical 11.500 To ump set inchengine and p	raulic excava as well as 10 and lift fror cinds of soil. means 0.850	y in cum	112.413 112.413 112.413 ne site,
	OD61525/2022-20 Earth work in excaover areas (exceed including disposal disposed earth to be Additional Earth for sump Total 100.7.1 Bailing out water verecting, dismantliand other stores para Bailing out water with 5HP	with 5HP with 5HP with 5HP with 5HP	a in depth, 1.5 I and neatly depth, 1.5 I and neatly depth in the second in the seco	means (Hydromeans) min width and up to 50 m lressed. All king mechanical 11.500 To ump set including and page.	raulic excava as well as 10 and lift fror cinds of soil. means 0.850	y in cum yance to the fuel lubrical series of the series	112.413 112.413 112.413 112.413 4476.000
9.004	OD61525/2022-20 Earth work in excaover areas (exceed including disposal disposed earth to be Additional Earth for sump Total 100.7.1 Bailing out water verecting, dismantliand other stores para Bailing out water with 5HP	with 5HP with 5HP with 5HP with 5HP	a in depth, 1.5 I and neatly depth, 1.5 I and neatly depth in the second in the seco	means (Hydromeans) min width and up to 50 m lressed. All king mechanical 11.500 To ump set including and page.	raulic excava as well as 10 a and lift fror cinds of soil. means 0.850 otal Quantity uding convey	y in cum yance to the fuel lubrical series of the series	112.413 112.413 112.413 112.413 4476.000
9.004	OD61525/2022-20 Earth work in excaover areas (exceed including disposal disposed earth to be Additional Earth for sump Total 100.7.1 Bailing out water verecting, dismantliand other stores paralleling out water with 5HP Total	with 5HP ing and talay of staff with 5HP 10	engine and pking back of etc., completed.	means (Hydromeans)	raulic excava as well as 10 and lift from inds of soil. means 0.850 tal Quantity uding convey nump, cost of tal Quantity IP up to 10H ng back of en	y in cum yance to the fuel lubration of the second of the	112.413 112.413 112.413 112.413 4476.000 4476.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Bailing out water with 10HP	20	60*10			0.7460 00	8952.000
	Total						8952.000
				To	tal Quantity	in Kwh	8952.000
9.006	OD251863/2022-2	2023					
	Providing, driving grade M-25 of specification of less than scost of shoe and the (Length of pile for cap):600 mm dia p	cified dian specified, he length of payment oiles	meter and leng excluding the of pile to be en shall be meas	gth below the cost of steem of the cost of steem of the cost of steem of the cost of the c	ne pile cap, to el reinforcem the pile cap op of shoe to	carry saftent but indeted all co	fe working cluding the omplete.
	Providing driving			st in situ RO	CC piles-600	mm	
		16	1.650				26.400
	Total						26.400
				Total	al Quantity	in metre	26.400
			-63	100			
9.007	20.6.2.1	og of pilos	in accordance	240	-		
9.007	20.6.2.1 Vertical load testin installation of load and dismantling of of engineer -in-Ch. Single pile above 5	ling platfo f test cap a arge.	rm and prepa	e with IS 29 ration of pil	911(Part IV) le head or coper specifica	including nstruction ation & the	of test cap
9.007	Vertical load testin installation of load and dismantling of of engineer -in-Ch	ling platfo test cap a arge. 50 tonne a	rm and prepa	e with IS 29 ration of pil	911(Part IV) le head or coper specifica	including nstruction ation & the	of test cap
9.007	Vertical load testin installation of load and dismantling of of engineer -in-Ch Single pile above 5	ling platfo test cap a arge. 50 tonne a	rm and prepa	e with IS 29 ration of pil	911(Part IV) le head or coper specifica	including nstruction ation & the	of test cap
9.007	Vertical load testing installation of load and dismantling of of engineer -in-Changle pile above 5. Vertical load testing Vertical load	ling platfo test cap a arge. 50 tonne a	rm and prepa	e with IS 29 ration of pil	911(Part IV) le head or coper specifica	including nstruction ation & the	of test cap e direction
9.007	Vertical load testing installation of load and dismantling of of engineer -in-Changle pile above 5. Vertical load testing Vertical load testing of pile.	ling platfo test cap a arge. 50 tonne a	rm and prepa	e with IS 29 ration of pile complete as onne capaci	911(Part IV) le head or coper specifica	including nstruction ttion & the	of test cap e direction
9.007	Vertical load testing installation of load and dismantling of of engineer -in-Chesingle pile above 5 Vertical load testing Vertical load testing of pile Total	ling platfo test cap a arge. 50 tonne a	rm and prepa	e with IS 29 ration of pile complete as onne capaci	911(Part IV) te head or con per specificate tyInitial test	including nstruction ttion & the	of test cap e direction 1.000
	Vertical load testing installation of load and dismantling of of engineer -in-Ch. Single pile above 5. Vertical load testing Vertical load testing of pile. Total 4.1.3 Providing and laying of centering and shape of load testing of shape of centering and shape of load testing of centering and shape of load testing of centering and shape of load testing of laying of centering and shape of load testing of load and load testing of engineers.	ling platfo f test cap a arge. 50 tonne a ng of pile 1	rm and prepa ifter test etc. of nd upto 100 to tion cement co All work up	e with IS 29 ration of pile complete as onne capacion on the capacion of the c	P11(Part IV) te head or conper specificatityInitial test Quantity in specified grace (el:1:2:4 (cer	including nstruction ation & the	1.000 1.000 1.000 ng the cost
	Vertical load testing installation of load and dismantling of of engineer -in-Chesingle pile above 5. Vertical load testing Vertical load testing of pile. Total 4.1.3 Providing and laying and laying testing of load load laying and laying	ling platfo f test cap a arge. 50 tonne a ng of pile 1 ng in posi nuttering - ed stone ag	rm and prepa ifter test etc. of nd upto 100 to tion cement co All work up	e with IS 29 ration of pile complete as onne capacion on the capacion of the c	P11(Part IV) te head or conper specificatityInitial test Quantity in specified grace (el:1:2:4 (cer	including nstruction ation & the	1.000 1.000 1.000 ng the cost
	Vertical load testing installation of load and dismantling of of engineer -in-Ch. Single pile above 5. Vertical load testing Vertical load testing of pile. Total 4.1.3 Providing and laying of centering and she (zone-III): 4 grades.	ling platfo f test cap a arge. 50 tonne a ng of pile 1 ng in posi nuttering - ed stone ag	rm and prepa ifter test etc. of nd upto 100 to tion cement co All work up	e with IS 29 ration of pile complete as onne capacion on the capacion of the c	Quantity in specified gradel:1:2:4 (cer size)	including nstruction ation & the	1.000 1.000 1.000 ng the cost
	Vertical load testing installation of load and dismantling of of engineer -in-Ch. Single pile above 5. Vertical load testing. Vertical load testing of pile. Total 4.1.3 Providing and laying of centering and sh. (zone-III): 4 grade. CC 1:2:4 for leve.	ling platfo test cap a arge. 50 tonne a ng of pile I ng in posi nuttering - ed stone as	rm and preparater test etc. of the conduction cement of the conduction	e with IS 29 ration of pil complete as onne capacion of the complete as onne capacion oncrete of stop plinth lever an arrangement of the complete of stop plinth lever an arrangement of the complete of the c	Quantity in specified gradel:1:2:4 (cer size)	including nstruction ation & the	1.000 1.000 1.000 ng the cost parse sand
	Vertical load testing installation of load and dismantling of of engineer -in-Ch. Single pile above 5. Vertical load testing Vertical load testing of pile. Total 4.1.3 Providing and laying of centering and sh. (zone-III): 4 grade. CC 1:2:4 for leve.	ling platfo test cap a arge. 50 tonne a ng of pile I ng in posi nuttering - ed stone as	rm and preparater test etc. of the conduction cement of the conduction	e with IS 29 ration of pil complete as onne capacitant oncrete of sto plinth lever meaning and the complete of stop on the capacitant on the capacitant on the capacitant of stop of the capacitant of stop of the capacitant of stop of the capacitant of the capacitan	Quantity in specified gradel:1:2:4 (cer size)	including instruction ation & the	1.000 1.000 1.000 1.010 1.010 1.010 1.010 1.010

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	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 centers ommended workabilities in-ch ess or less	or reinforced including puting, shuttering proportions ty without in large. Note:-cement used	cement concumping of coug, finishing as per IS: 91 as pairing stream Cement confidence.	rete work, us ncrete to site and reinforce 03 to accele ngth and durtent consider	sing ceme e of laying ement, inc rate, retar ability as red in this	nt content g but luding d setting of per item is @		
	Providing and laying in position machine batched and machine mixed design mix M-25 grade								
	Floor slab	1	10.100	10.100	0.300		30.603		
	Pile cap	16	0.900	0.900	0.800		10.368		
	Pile connecting beam	8	9.000	0.600	0.450		19.440		
	Deduction dor Pile cap	-24	0.900	0.600	0.450		-5.832		
	side wall	1	37.000	0.250	3.750		34.688		
	Haunch	0.5	36.000	0.300	0.700		3.780		
	columns	16	0.300	0.300	3.750		5.400		
	roof beams	8	9.500	0.300	0.330		7.524		
	cover slab	1	10.100	10.100	0.200		20.402		
	Total		OF PUBLIC	WORKS			126.373		
				To	tal Quantit	y in cum	126.373		
9.010	5.33.2								
	Providing and laying in position machine batched and machine mixed design mix 25 grade cement concrete for reinforced cement concrete work, using cement contas 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 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 recoveral separately. All work above plinth level upto floor V level								
	Providing and lay 25 grade	ing in pos	ition machin	e batched an	d machine m	nixed desi	gn mix M-		
	Pump house- Lintel	1	36.800	0.200	0.150		1.104		
	columns	16	0.300	0.300	4.000		5.760		
	Roof beams	8	9.500	0.300	0.330		7.524		
	Corbel	8	0.500	0.300	0.300		0.360		
	Sunshade	1	40.400	0.600	0.100		2.424		
	Roof slab	1	10.100	10.100	0.150		15.302		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						32.474
				To	tal Quantity	in cum	32.474
9.011	5.34.1					-	
	Extra for providing specified cement c grade concrete inst in M-30 is @ 340	ontent use ead of M	ed is payable	recoverable	separately.P	roviding	M-30
	Extra for provid	ing richer	mixes at all	floor levels.			
	Floor slab	1	10.100	10.100	0.300		30.60
	side wall	1	37.000	0.250	3.750		34.68
	Haunch	0.5	36.000	0.300	0.700		3.78
	columns	16	0.300	0.300	3.750		5.40
	roof beams	9	9.500	0.300	0.330		8.46
	cover slab	1	10.100	10.100	0.200		20.402
	Total		a Ka				103.33
				To	tal Quantity	in cum	103.33
9.012	5.9.1						
	Centering and shut footings, bases of				removal of fo	orm for:F	oundations
	Centering and sh	uttering	e-PLATFOR/ OF PUBLIC \	VI FOR THE M WORKS	ANAGEMENT		
	PCC Levelling	1	41.200		0.150		6.18
	Bottom slab	1	40.400		0.300		12.12
	Pile cap	16	3.600		0.800		46.08
	Total						64.38
				To	tal Quantity	in sqm	64.38
9.013	5.9.2						
	Centering and shut thickness) including	g attached					
	Centering and shu		26.000	T	2.750		
	Side wall inside	1	36.000		3.750		
	Side wall outside	1	38.000		3.750		142.50
	Side wall outside Haunch						142.500 25.200
	Side wall outside	1	38.000		3.750 0.700		135.000 142.500 25.200 302.70 0
	Side wall outside Haunch Total	1	38.000	To	3.750	in sqm	142.50 25.20 302.70
9.014	Side wall outside Haunch Total 5.9.6 Centering and shut	tering inc	38.000 36.000	ng, etc. and	3.750 0.700 otal Quantity		142.50 25.20 302.70 302.70
9.014	Side wall outside Haunch Total 5.9.6	tering incoments, Po	38.000 36.000	ng, etc. and	3.750 0.700 otal Quantity		142.50 25.20 302.70 302.70

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Pump house - Columns	16	1.200		4.000		76.800
	Total						148.800
				To	tal Quantit	y in sqm	148.800
9.015	5.9.3						
	Centering and shut floors, roofs, landing	tering inc	luding struttionies and acce	ng, etc. and a	removal of for	orm for:S	uspended
	Centering and sl	nuttering					
	floor slab	1	10.100	10.100			102.010
	floor slab - sides	1	40.400		0.200		8.080
	Roof slab - sides	1	10.100	10.100			102.010
	Roof slab - sides	1	40.400		0.150		6.060
	Sunshade	1	40.400	0.600			24.240
	Sunshade - sides	1	40.400		0.100		4.040
	Total		AKC	5AL			246.440
			100	To	tal Quantit	y in sqm	246.440
9.016	5.9.5						
	Centering and shut beams, plinth bean	tering inc	luding strutting bressumers	ng, etc. and a	removal of fers	orm for:L	intels,
	Centering and sl	nuttering	OF PUBLIC V	VORKS	ANAGEMENT		
	Sump roof beam	8	9.500	0.800			60.800
	Pump house lintel	2	37.200	0.150			11.160
	Pump house Roof beam	8	9.500	0.900			68.400
	Pile	8	9.000		1.650		118.800
	Total						259.160
				To	tal Quantit	y in sqm	259.160
9.017	5.22.6						
	Steel reinforcement in position and bin bars of grade Fe-50	ding all co	omplete upto				
	Reinforcem	ent					
	Qnty same as item no. 9&10	1	126.373+ 32.474			100.00 0000	15884.70 0
	600 mm pile	16	0.466			100.00 0000	745.600
	Total						16630.30 0
				Total Q	uantity in k	ilogram	16630.30 0

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
9.018	50.6.1.2						
	Solid block mason or nearest available floor two level this complete.	e size con	firming to IS	2185 part I	of 1979 for s	super struc	cture up to
	Solid block m	asonry siz	ze 40x20x20				
	For pump house wall	1	36.800	0.200	4.000		29.440
	For pump house parapet wall	1	36.800	0.200	0.750		5.520
	Deduction- Rolling shutter	-1	3.000	0.200	2.500		-1.500
	Deduction- Windows	-9	1.500	0.200	1.400		-3.780
	Deduct Column portion	-16	0.300	0.300	4.000		-5.760
	Total		aix	5/10			23.920
			#40	To	tal Quantit	y in cum	23.920
9.019	13.7.1						
	12 mm cement pla cement : 3 fine san	ster finish d)	ned with a flo	oating coat of	neat cement	t of mix:1	:3 (1
	12mm thick Plas	stering	e-PLATFOR OF PUBLIC	M FOR THE M WORKS	ANAGEMENT		
	sump top & bottom slab	2	9.000	9.000			162.000
	Haunch	1	36.000		0.700		25.200
	Side wall - inside	1	36.000		3.050		109.800
	Side wall -outside	1	38.000		3.750		142.500
	Column	16	1.200		3.750		72.000
	sump roof beams	8	9.000	0.960			69.120
	Floor slab of PH	1	10.100	10.100			102.010
	Gantry beam	2	9.100	2.100			38.220
	PH wall - inside	1	36.400		4.000		145.600
	PH wall - outside	1	38.000		4.000		152.000
	PH roof slab top and bottom	2	10.100	10.100			204.020
	Roof slab side	1	40.400	0.150			6.060
	PH roof beam	8	9.000	0.960			69.120
	Sunshade	2	40.400	0.600			48.480
	Sunshade side	1	40.400	0.100			4.040
	Parapet wall	2	40.400	0.800			64.640

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Deduction- window	-9	1.500	1.400			-18.900
	Deduction- Rolling shutter	-1	3.000	2.500			-7.500
	Deduction- ventilator	-11	1.000	0.600			-6.600
	Total						1381.810
				To	tal Quantit	y in sqm	1381.810
9.020	22.23.1						
	water tanks, roof s / subway and bridg integral crystalline integral crystalline same from negativ shall meet the requ permeability of co DIN 1048 and resi slurry shall be cap shall be carried ou engineerin- charge. The produ leakage.For vertice	ge deck et e slurry : 2 e slurry : 1 re (interna- uirements ncrete by stant to 1 able of se t all comp ct perforn al surface	c., prepared la parts water) part water) part water) la side with the as specified amore than 90 bar hydrost lf-healing of plete as per specified as per specif	for vertical soft for horizontal soft help of sy in ACI-212-30% compared attic pressure cracks up to be cification a arry guarante 0.70 kg per soft for vertical soft help of the control	the ratio of surfaces and l surfaces and l surfaces and thetic fiber BR-2010 i.e. I with control on negative a width of 0 and the directe for 10 years	5 : 2 (5 pa 3 : 1 (3 pad applying brush. The by reducing of concrete side. The side. The storm. The tion of the trs against	arts arts g the ne material ng e as per crystalline the work any
	Providing and ap waterproofing trea				nyaropnine	in nature	IOT
	side wall	1	36.000	3.050			109.800
	Haunch	1	36.000	0.700			25.200
	Total						135.000
				To	tal Quantit	y in sqm	135.000
9.021	Providing and app waterproofing trea water tanks, roof s / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremeability of co DIN 1048 and resistancy shall be carried out engineerincharge. The produte leakage. For horizon	the the test and t	he RCC structums, reservice., prepared less parts water) part water) side with the as specified more than 90 bar hydrost lf-healing of plete as per spenance shall carries.	ctures like re or, sewage & oy mixing in for vertical s for horizonta he help of sy in ACI-212-3 0% compared attic pressure cracks up to pecification a	taining walls water treatr the ratio of surfaces and I surfaces and I surfaces and MR-2010 i.e. with control on negative a width of 0 and the directed for 10 years	s of the bather the plant of the bather the	sement, t, tunnels arts g the ne material ng e as per c crystalline the work

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and apwaterproofing trea	plying int tment to t	egral crystall he RCC struc	ine slurry of ctures	hydrophilic	in nature	for
	floor slab	1	9.000	9.000			81.000
	Total						81.000
				To	tal Quantit	y in sqm	81.000
9.022	13.43.1						
	Applying one coat manufacture on wa					brand and	
	Applying one of	coat ceme	nt primer				
	PH- Side wall - out side	1	36.400	4.000			145.600
	PH- Side wall - in side	1	38.000	4.000			152.000
	PH- column	4	1.200	4.000			19.200
	PH- Gantry beam	2	9.200	2.100			38.640
	PH- roof beam	8	9.100	0.960			69.888
	PH- roof & ceiling	2	10.100	10.100			204.020
	PH- roof side	1	40.400	0.150			6.060
	Sunshade	2	40.400	0.600	ANAGEMENT		48.480
	Sunshade side	1	40.400	0.150			6.060
	Parapet wall	2	40.400	0.800			64.640
	Deduction - windows	-9	1.500	1.400			-18.900
	Deduction - Rolling shutter	-1	3.000	2.500			-7.500
	Deduction - windows	-11	1.000	0.600			-6.600
	Total						721.588
				To	tal Quantit	y in sqm	721.588
9.023	13.60.1						
	Wall painting with an even shade:Two				d brand and i	manufactı	ire to give
	Wall painting w	ith acrylic	emulsion pa	int			
	Qnty same as item no. 20	1	721.588				721.588
	Total						721.588
				To	tal Quantit	y in sqm	721.588
9.024	10.6.1						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	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								
	fixing rolling shutter								
	fixing rolling shutter	1	3.000	2.500			7.500		
	Total						7.500		
				To	otal Quantity	y in sqm	7.500		
9.025	13.48.3								
	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 with deluxe multi surface paint rolling shutter 1 3.000 2.500 2.4000 18.000								
			3.000	2.500		00	18.000		
	Total	100	3.000	2.500	ANAGEMENT		18.000 18.000		
0.026			OF PUBLIC	M FOR THE M	otal Quantit	00			
9.026	Providing and fixi with extruded buil sections of approv fasteners of requirite. at top, bottom Aluminium section mechanically when glazing /paneling, drawings and the of fasteners to be pair For fixed portion polyester powder of the section of t	t up stand ed make ced dia and sides as shall be rever requested. C.P. brass directions d for sepa olyester p	nium work for ard tubular seconforming to d size, includi with required e smooth, rust ired includin s/ stainless sto of Engineer-irately):	r doors, wind ections/ appropriate of IS: 733 and ing necessary d EPDM rublet free, straight g cleat angle eel screws, a in-charge.(G	lows, ventila opriate Z sec d IS: 1285, five filling up the ber/ neoprendit, mitred and e, Aluminnius ll complete a lazing, panel	y in sqm tors and petions and ixing with the gaps at the gasket ed jointed m snap beas per archling and d	18.000 18.000 Descriptions other in dash junctions, etc. Deading for intectural dash		
9.026	21.1.1.3 Providing and fixi with extruded buil sections of approv fasteners of requirile. at top, bottom Aluminium section mechanically when glazing /paneling, drawings and the of fasteners to be paid For fixed portion P	t up stand ed make coded dia and sides as shall be rever requested. C.P. brass directions d for separolyester properties of the properties	nium work for ard tubular se conforming to I size, includi with required e smooth, rust ired includin s/ stainless ste of Engineer-irately): bowder coated micron)	r doors, wind ections/ appropriate of IS: 733 and ing necessary d EPDM rublet free, straight g cleat angle eel screws, a in-charge.(G	lows, ventila opriate Z sec d IS: 1285, five filling up the ber/ neoprendit, mitred and e, Aluminnius ll complete a lazing, panel	y in sqm tors and petions and ixing with the gaps at the gasket ed jointed m snap beas per archling and d	18.000 18.000 Descritions other of dash junctions, etc. Deading for other ot		
9.026	21.1.1.3 Providing and fixing with extruded build sections of approved fasteners of requirities, at top, bottom Aluminium section mechanically where glazing /paneling, drawings and the offasteners to be paid for fixed portion polyester powder of the section of	t up stand ed make coded dia and sides as shall be rever requested. C.P. brass directions d for separolyester properties of the properties	nium work for ard tubular se conforming to I size, includi with required e smooth, rust ired includin s/ stainless ste of Engineer-irately): bowder coated micron)	r doors, wind ections/ appropriate of IS: 733 and ing necessary d EPDM rublet free, straight g cleat angle eel screws, a in-charge.(G	lows, ventila opriate Z sec d IS: 1285, five filling up the ber/ neoprendit, mitred and e, Aluminnius ll complete a lazing, panel	y in sqm tors and petions and ixing with the gaps at the gasket ed jointed m snap beas per archling and d	18.000 18.000 Descritions other of dash junctions, etc. Deading for other ot		
9.026	21.1.1.3 Providing and fixi with extruded buil sections of approv fasteners of requirile. at top, bottom Aluminium section mechanically when glazing /paneling, drawings and the of fasteners to be paid For fixed portion polyester powder of Aluminium work	t up stand ed make ced dia and sides as shall be rever requested. C.P. brass directions d for separating 50 as for wincested.	nium work for ard tubular se conforming to d size, includi with required e smooth, rust irred including s/ stainless sto of Engineer- rately): bowder coated micron)	r doors, wind ections/ appropriate of IS: 733 and ing necessary d EPDM rublet free, straight g cleat angle eel screws, a in-charge.(G	lows, ventila opriate Z sec d IS: 1285, five filling up the ber/ neoprendit, mitred and e, Aluminnius ll complete a lazing, panel	tors and petions and ixing with the gaps at e gasket ed jointed m snap beas per archling and dethickness 0.5800 00 0.5800 00	18.000 18.000 Descriptions other in dash junctions, etc. Deading for intectural lash of		
9.026	21.1.1.3 Providing and fixing with extruded build sections of approved fasteners of requirities, at top, bottom Aluminium section mechanically where glazing /paneling, drawings and the offasteners to be paid for fixed portion polyester powder of Aluminium work Windows - V	t up stand ed make ced dia and sides as shall be rever requested. C.P. brass directions d for separations of the separation of the separat	nium work for ard tubular seconforming to a size, including with required expression and including so stainless stood Engineer-rately): Sowder coated micron of the size of t	r doors, wind ections/ appropriate of IS: 733 and ing necessary d EPDM rublet free, straight g cleat angle eel screws, a in-charge.(G	lows, ventila opriate Z sec d IS: 1285, five filling up the ber/ neoprendit, mitred and e, Aluminnius ll complete a lazing, panel	tors and petions and ixing with the gaps at the gaps at the gaps at the gaps at the gaps are dijointed thickness 0.5800 0.5800 0.5800	18.000 18.000 Descriptions other in dash junctions, etc. Deading for intectural lash of		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Total						69.136		
				ŗ	Total Quant	ity in kg	69.136		
9.027	21.3.1					-1			
	Providing and fixing glazing in aluminium door, window, ventilator shutters partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in -Charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of thickness								
	Fixing window sh	utter							
	window shutter	27	0.500	1.400			18.900		
	Ventilator shutter	22	0.300	0.600			3.960		
	Total						22.860		
				To	otal Quantit	y in sqm	22.860		
9.028	21.17			la/N					
	of approved design window frame wit including cutting t and fixing approve complete as per re- to be measured for	h C.P brashe grill to ed anodise quirement	ss/stainless st proper open ed aluminium t and direction	teel screws @ ing size for for standard sec	200 mm ce ixing and op ction around	entre to ce eration of the openi	ntre, handles ng, all		
	Fixing aluminiu	m grill							
	Windows	9	1.500	1.400		0.2500 00	4.725		
	Ventilators	11	1.000	0.600		0.2500 00	1.650		
	Total						6.375		
				r	Total Quant	ity in kg	6.375		
9.029	10.25.2								
	Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works								
	Steel work								
	Ladder	1				100.00 0000	100.000		
	Total						100.000		
				<u> </u>	Total Quant	ity in kg	100.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Filling water with of 5 km (average) height not less that and other applience	to the reson 3 m usin	ervoir site an ng 5 HP diese	d pumping tl el engine pur	he water into	the reserv	voir of
	Filling water						
	Filling water	1	270.000				270.000
	Total						270.000
				Total (Quantity in 1	Kilo litre	270.000
9.031	18.66.1						
	Providing and layi caps etc., suitable						tapers and
	providing wall cas	sting pipe				<u> </u>	
	250mm wall casting pipe	1				0.8400	0.840
	Total		-69				0.840
			MATE	Tota	l Quantity in	n quintal	0.840
9.032	100.41.33		503/1				
	Supplying and fixi charges including					medium c	luty)
	Man hole cover		e-PLATFOR	M FOR THE N	ANAGEMENT	ļ	
	Man hole cover	4	OF PUBLIC	WORKS			4.000
	Total						4.000
				ı	Total Quant	tity in no	4.000
9.033	OD63042/2022-20)23					
	Supplying and pro 2mm thi 160mm PVC pipe thread for connect lettering
< td=""><td>ck MS plater of the plate of th</td><td>ate with in thing the float,& and level indi</td><td>e frame work alt;br>nection cator, painting</td><td>k of suitable cessary pullicing the entire</td><td>size MS s es, suitable structure,</td><td>quare tube, e nylon</td></br><>	ck MS plater of the plate of th	ate with in thing the float,& and level indi	e frame work alt;br>nection cator, painting	k of suitable cessary pullicing the entire	size MS s es, suitable structure,	quare tube, e nylon
	fixing water level:	indicator				,	
	fixing water level indicator	1					1.000
	Total						1.000
					Total Quant	tity in no	1.000
9.034	13.71						
	Lettering with blace	ck Japan p	oint of approv	ved brand an	d manufactu	re	
	Lettering						
	Lettering	100				15.000 000	1500.000
	Total						1500.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
			Total Quai	ntity in per	Letter per cı	m height	1500.000
9.035	10.1					-	
	Structural steel wo including cutting, steel primer all con						
	Structural steel wo						
		1	750.000				750.000
	Total						750.000
				Total (Quantity in k	kilogram	750.000
9.036	OD249775/2022-2	2023					
	working on single with overhead trav chemicals, Chlorir pumps etc and fit shackle and clamp etc. complete as po	velling trone, tring as reasons the instance of the instance o	quired, suppl	ied with one Engineer in	set of crane	slings wit	
		1	or 51 Crain C	and troney			1.000
	Total			< 11			1.000
	10001						2,000
			e-PLATFOR	M FOR THE M	Total Quant	ity in no	1.000
10	Con. of Transform	er room	e-PLATFOR	M FOR THE M	Total Quant	ity in no	1.000
	Con. of Transform	ner room	e-PLATFOR	M FOR THE N	Total Quant	ity in no	1.000
10.00 1		avation by ling 30 cm of excava	mechanical in depth, 1	means (Hyd 5 m in width ad up to 50 n	raulic excava as well as 10 n and lift up 1	ator)/manu 0 sqm on 1	ual means plan)
10.00	2.6.1 Earth work in excaover areas (exceed including disposal	avation by ling 30 cm of excava d and neat	mechanical n in depth, 1 ated earth, leady decly dressed.A	means (Hyd 5 m in width ad up to 50 n ll kinds of so	raulic excava as well as 10 n and lift up 1	ator)/manu 0 sqm on 1	ual means plan)
10.00	2.6.1 Earth work in exca over areas (exceed including disposal earth to be levelled)	avation by ling 30 cm of excava d and neat	mechanical n in depth, 1 ated earth, leady decly dressed.A	means (Hyd 5 m in width ad up to 50 n ll kinds of so	raulic excava as well as 10 n and lift up to	ator)/manu 0 sqm on 1	ual means plan)
10.00	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work in exceeding the ex	avation by ling 30 cm of excava d and neat	mechanical n in depth, 1 nted earth, lea ly dressed.A by mechanic	means (Hyd 5 m in width ad up to 50 n Il kinds of so al means	raulic excava as well as 10 n and lift up to	ator)/manu 0 sqm on 1	ual means plan) disposed
10.00	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work in exfor levelling	avation by ling 30 cm of excava d and neat	mechanical n in depth, 1 nted earth, lea ly dressed.A by mechanic	means (Hyd 5 m in width ad up to 50 n ll kinds of so al means 8.000	raulic excava as well as 10 n and lift up to	ntor)/manu O sqm on j to 1.5 m, d	ual means plan) disposed 48.000
10.00	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work in exfor levelling	avation by ling 30 cm of excava d and neat cavation	mechanical n in depth, 1 nted earth, lea ly dressed.A by mechanic	means (Hyd 5 m in width ad up to 50 n ll kinds of so al means 8.000	raulic excava as well as 10 n and lift up to il 0.500	ntor)/manu O sqm on j to 1.5 m, d	ual means plan) disposed 48.000
10.00	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work in exfor levelling Total	avation by ling 30 cm of excavation and neat acavation 1 223 and instacified diaspecified, ne length of payment	mechanical in depth, 1 ated earth, leadly dressed. A by mechanical 12.000 Illing driven of the excluding the pile to be excluding the second and the excluding the pile to be excluding the second and the excluding the pile to be excluding the second and the excluding the exclusion that excluding the exclusion the exclusion that excluding the exclusion that excluding the exclusion that exclusion the exclusion that e	means (Hyd 5 m in width ad up to 50 n ll kinds of so al means 8.000 To cast-in-situ re ngth below the cost of stee	raulic excava as well as 10 n and lift up to bil 0.500 otal Quantity einforced center pile cap, to be reinforcement the pile cap of the pile c	y in cum ment concept carry safether. all co	48.000 48.000 48.000 rete piles of fe working cluding the omplete.
10.00	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work in exfor levelling Total OD63169/2022-20 Providing, driving grade M-25 of speload not less than scost of shoe and the (Length of pile for	avation by ling 30 cm of excava and neat cavation 1 223 and instacified diaspecified, he length of payment biles	mechanical in depth, 1 ated earth, leadly dressed. A by mechanical 12.000 Illing driven of the meter and leadly excluding the shall be mean	means (Hyd 5 m in width ad up to 50 n ll kinds of so al means 8.000 To cast-in-situ re agth below the cost of stee embedded in sured from t	raulic excava as well as 10 n and lift up to bil 0.500 otal Quantity einforced center pile cap, to be reinforcement the pile cap of the pile c	y in cum ment concept carry safether. all co	48.000 48.000 48.000 rete piles of fe working cluding the omplete.
10.00	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Earth work in exfor levelling Total OD63169/2022-20 Providing, driving grade M-25 of speload not less than a cost of shoe and the (Length of pile for cap):600 mm dia p	avation by ling 30 cm of excava and neat cavation 1 223 and instacified diaspecified, he length of payment biles	mechanical in depth, 1 ated earth, leadly dressed. A by mechanical 12.000 Illing driven of the meter and leadly excluding the shall be mean	means (Hyd 5 m in width ad up to 50 n ll kinds of so al means 8.000 To cast-in-situ re agth below the cost of stee embedded in sured from t	raulic excava as well as 10 n and lift up to bil 0.500 otal Quantity einforced center pile cap, to be reinforcement the pile cap of the pile c	y in cum ment concept carry safether. all co	48.000 48.000 48.000 rete piles of fe working cluding the omplete.

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				Tota	al Quantity	in metre	102.000			
10.00	4.1.3						-			
3	Providing and layi of centering and sl (zone-III): 4 grade	nuttering -	- All work up	to plinth lev	el:1:2:4 (cer					
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:									
	Flooring	1	10.000	7.000	0.100		7.000			
	Total						7.000			
				To	otal Quantit	y in cum	7.000			
10.00	5.33.1									
	25 grade cement c as per approved de excluding the cost admixtures in reco concrete, improve direction of Engin 330 kg/ cum. Exce separately.All wor	esign mix, of center ommended workabili eer - in-ch ess or less	including puing, shuttering proportions ity without in large. Note:-cement used	imping of cog, finishing a as per IS: 91 impairing streament con	ncrete to site and reinforce 103 to accele ngth and dur tent consider	e of layin ement, inc rate, retar ability as red in this	g but cluding rd setting of per item is @			
	Providing and l	aying De	sign mix -M2	25 cement co	ncrete					
	Pile connecting beam	9	3.367-0.9	0.300	0.450		2.997			
	Pile connecting beam	8	3.55-0.9	0.300	0.450		2.862			
	Pile cap	12	0.900	0.900	0.800		7.776			
	Total						13.635			
				To	otal Quantity	y in cum	13.635			
	5.33.2									
5	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level									
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix,									
	Column	12	0.300	0.300	4.000		4.320			
	Beams	9	3.370	0.300	0.450		4.095			
	Beams	8	3.550	0.300	0.450		3.834			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Lintel	1	34.800	0.200	0.150		1.044
	Roof slab	1	10.700	7.700	0.120		9.887
	Sunshade	1	36.800	0.600	0.100		2.208
	Total						25.388
				To	tal Quantity	y in cum	25.388
10.00	50.6.1.2						
6	Solid block mason or nearest availabl floor two level this complete.	e size con ckness 20	firming to IS cm and above	2185 part I e in: CM 1:6	of 1979 for s	uper struc	cture up to
	Solid block mase	onry using	g pre cast soli				
	Walls	1	34.800	0.200	4.000		27.840
	Parapet	1	36.800	0.200	0.750		5.520
	Deduction- Windows	-9	1.400	0.200	1.500		-3.780
	Rolling shutter	-1	3.000	0.200	2.500		-1.500
	Lintel	-1	34.800	0.200	0.150		-1.044
	Column width	-10	0.300	0.200	3.750		-2.250
	Total						24.786
			e-PLATFOR	M FOR THETA	tal Quantity	v in cum	24.786
			OE PUBLIC	MODIFE TO	tur Quantit	y III Cuiii	24.700
10.00 7	5.9.1 Centering and shu footings, bases of		cluding strutti	ng, etc. and			
_	Centering and shu	columns, uttering ir	cluding strutti etc for mass on acluding strut	ng, etc. and concrete	removal of fo	orm for:F	
_	Centering and shur footings, bases of Centering and sh	columns, uttering ir	cluding strutti etc for mass on acluding strut	ng, etc. and concrete	removal of fo	orm for:F	
_	Centering and shur footings, bases of Centering and sh Foundations, footi	columns, uttering ir ngs, bases	cluding strutti etc for mass on acluding strut s of columns,	ng, etc. and concrete	removal of for	orm for:F	oundations,
_	Centering and shu footings, bases of Centering and sh Foundations, footi columns	uttering ir ngs, bases	cluding strutti etc for mass on cluding strut s of columns, 1.200	ng, etc. and concrete	removal of for the concrete 4.000	orm for:F	oundations, 57.600
_	Centering and shur footings, bases of Centering and sh Foundations, footi columns Pile cap	uttering ir ngs, bases	cluding strutti etc for mass on cluding strut s of columns, 1.200	ng, etc. and concrete ting, etc. and etc for mass	removal of for the concrete 4.000	orm for:F	57.600 34.560
10.00	Centering and shur footings, bases of Centering and sh Foundations, footi columns Pile cap	uttering ir ngs, bases	cluding strutti etc for mass on cluding strut s of columns, 1.200	ng, etc. and concrete ting, etc. and etc for mass	removal of for the concrete 4.000 0.800	orm for:F	57.600 34.560 92.160
7	Centering and shu footings, bases of Centering and sh Foundations, footi columns Pile cap Total	columns, uttering ir ngs, bases 12 12	cluding struttietc for mass on cluding strutts of columns, 1.200 3.600	ng, etc. and reconcrete ting, etc. and etc for mass To	removal of for removal of concrete 4.000 0.800	orm for:F form for: y in sqm	57.600 34.560 92.160
10.00	Centering and shur footings, bases of Centering and shur Foundations, footicolumns Pile cap Total 5.9.3 Centering and shur footings are shurtered as a shur footing and shur footings are shurtered as a shurt	columns, uttering in ngs, bases 12 12 ttering inc ngs, balco	cluding struttietc for mass of columns, 1.200 3.600 cluding struttienies and acceptations.	ng, etc. and reconcrete ting, etc. and etc for mass To	removal of for removal of concrete 4.000 0.800	orm for:F form for: y in sqm	57.600 34.560 92.160
10.00	Centering and shur footings, bases of Centering and shur Foundations, footicolumns Pile cap Total 5.9.3 Centering and shur floors, roofs, landi	columns, uttering in ngs, bases 12 12 ttering inc ngs, balco	cluding struttietc for mass of columns, 1.200 3.600 cluding struttienies and acceptations.	ng, etc. and reconcrete ting, etc. and etc for mass To	removal of for removal of concrete 4.000 0.800	orm for:F form for: y in sqm	57.600 34.560 92.160
10.00	Centering and shu footings, bases of Centering and sh Foundations, footi columns Pile cap Total 5.9.3 Centering and shu floors, roofs, landi Centering and shu	ttering incongs, balco	cluding struttietc for mass on cluding strutties of columns, 1.200 3.600 cluding strutties and according strutties according strutties and according strutties and according strutties and accordin	ng, etc. and concrete ting, etc. and etc for mass To ng, etc. and ess platform ishade	removal of for removal of concrete 4.000 0.800	orm for:F form for: y in sqm	57.600 34.560 92.160 92.160 uspended
10.00	Centering and shur footings, bases of Centering and shur Foundations, footicolumns Pile cap Total 5.9.3 Centering and shur floors, roofs, landicentering and shur Roof slab Roof slab-	ttering inc ngs, bases 12 12 ttering inc ngs, balco ttering for	cluding struttietc for mass of columns, 1.200 3.600 cluding struttienies and accordinates	ng, etc. and concrete ting, etc. and etc for mass To ng, etc. and ess platform ishade	removal of for the removal of concrete 4.000 0.800 otal Quantity removal of for	orm for:F form for: y in sqm	57.600 34.560 92.160 92.160 uspended
10.00	Centering and shur footings, bases of Centering and shur Foundations, footicolumns Pile cap Total 5.9.3 Centering and shur floors, roofs, landicentering and shur Roof slab Roof slab-projection	ttering inc ngs, bases 12 12 ttering inc ngs, balco ttering for 1	cluding struttietc for mass of columns, 1.200 3.600 cluding strutties of columns, 1.200 3.600 3.600 cluding struttienies and accompositionies accomposit	ng, etc. and reconcrete ting, etc. and etc for mass To ng, etc. and ress platform ishade 7.700	removal of for the removal of concrete 4.000 0.800 otal Quantity removal of for	orm for:F form for: y in sqm	57.600 34.560 92.160 92.160 uspended 82.390 4.416

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
10.00	5.9.5									
9	Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers									
	Centering and shuttering including strutting, etc. and removal of form for: beams, plinth beams, girders bressumers and cantilever									
	Pile connecting Beam	9	3.367-0.9		1.200		26.644			
	Pile connecting Beam	8	3.55-0.9		1.200		25.440			
	Beams	9	3.370		1.200		36.396			
	Beams	8	3.550		1.200		34.080			
	Lintel	2	34.800		0.150		10.440			
	Total 2 34.800 0.130 10.44									
				To	otal Quantit	y in sqm	133.000			
10.01	5.22.6		-E.							
0	Steel reinforcemer in position and bin bars of grade Fe-5	ding all c	omplete upto	uding straigh plinth level	tening, cuttin Thermo - Me	ng, bendin echanicall	g, placing y Treated			
	Steel reinforc placing in position					cutting, b	ending,			
	RCC	1	13.635+2 5.388	M FOR THE M WORKS	ANAGEMENT	100.00 0000	3902.300			
	Pile- (3.14*0.6*0.6*8. 5/4)	12	2.402			100.00 0000	2882.400			
	Total						6784.700			
				Total (Quantity in k	kilogram	6784.700			
10.01	20.6.2.1									
1	Vertical load testing of piles in accordance with IS 2911(Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of engineer -in-Charge. Single pile above 50 tonne and upto 100 tonne capacityInitial test									
	vertical load testing	ng								
		1					1.000			
	Total						1.000			
				Total	Quantity in	per test	1.000			
_	13.1.1									
2	12 mm cement pla	ster of mi	x:1:4 (1 cen	nent: 4 fines	sand)					
	12 mm cemei	nt plaster	of mix			,				
	Beams	9	3.370	1.200			36.396			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Beams	8	3.550	1.200			34.080			
	Column	12	1.200		4.000		57.600			
	Roof slab	1	10.700	7.700			82.390			
	Roof slab- Projection	1	36.800		0.270		9.936			
	Sunshade	2	36.800	0.700			51.520			
	Walls -inside	1	34.000		4.000		136.000			
	Walls-outside	1	35.600		4.000		142.400			
	Parapet	2	36.200		0.750		54.300			
	Over flooring&ceiling	2	10.000	7.000			140.000			
	Rolling shutter	-1	3.000		2.500		-7.500			
	Window	-9	1.400		1.500		-18.900			
	Total		1	W\			718.222			
			a iki	To	tal Quantity	y in sqm	718.222			
	13.43.1		4646							
3	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface: Water thinnable cement primer									
	Applying one comanufacture on wa	oat of wat all surface	er thinnable of thing	c <mark>em</mark> ent prime nable cement	er of approve primer	d brand a	nd			
	Quantity same as item no:11	1	719.122	TV CHUIS			719.122			
	Deduction- Flooring	-1	70.000				-70.000			
	Total						649.122			
				To	tal Quantity	y in sqm	649.122			
10.01	13.60.1									
4	Wall painting with an even shade:Two				l brand and r	nanufactu	re to give			
	Wall painting wit an even shade: Tw				ed brand and	manufact	ture to give			
	Quantity same as item no:12	1	649.122				649.122			
	Total						649.122			
				To	tal Quantity	y in sqm	649.122			
10.01 5	10.6.1									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	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 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: 4 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 mm laths with 1.25 mm thick top cover									
	Supplying and fixing rolling shutters									
	1 3.000 2.500									
	Total						7.500			
				To	otal Quantit	y in sqm	7.500			
10.01	13.48.1									
6	Finishing with Del primer as per man ltr/10 sqm over an Painting with delu	ufacturers d includin	specification g one coat of	ns:Ťwo or me	ore coats app	olied on w	alls @ 1.25			
	Rolling shutter	1	3.000	2.500		2.4000 00	18.000			
	Total			<i>J</i>			18.000			
		l M		To	otal Quantit	y in sqm	18.000			
10.01	21.1.1.3 CF PUBLIC WORKS									
7	Providing and fixing aluminium work for doors, windows, ventilators and p with extruded built up standard tubular sections/ appropriate Z sections and sections of approved make conforming to IS: 733 and IS: 1285, fixing with fasteners of required dia and size, including necessary filling up the gaps at i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket et Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminnium snap be glazing /paneling, C.P. brass/ stainless steel screws, all complete as per arch drawings and the directions of Engineer-in-charge.(Glazing, paneling and defasteners to be paid for separately): For fixed portionPolyester powder coated aluminium (minimum thickness opolyester powder coating 50 micron)									
	Fixing aluminium	windows								
	Windows -H	18	1.500			0.5800 00	15.660			
	Windows -V	36	1.400			0.5800 00	29.232			
	Total									
	10141	Total Quantity in kg								
	Total			r	Fotal Quant	ity in kg	44.892 44.892			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Providing and fixing partitions etc. with architectural drawing aluminium snap be thickness	EPDM rings and t	ubber / neopo he directions	rene gasket e of Engineer	tc. complete - in -Charge	as per the . (Cost of	e f		
	Providing window	shutters							
	Providing window shutters	9	1.500	1.400			18.900		
	Total								
				To	otal Quantit	y in sqm	18.900		
10.01	21.17								
	required shade acc of approved design window frame with including cutting that and fixing approved complete as per re- to be measured for	n/pattern, h C.P brashe grill to ed anodise quirement	with approve ss/stainless s proper open ed aluminium and direction	ed standard s teel screws @ ing size for f a standard sec	ection and fi 200 mm ce ixing and op ction around	xed to the entre to ce eration of the openi	existing ntre, handles ng, all		
	Providing alumini	um grill							
	for windows	9	1.500	10.000	ᅳ	0.2500 00	33.750		
	Total		e-PLATFOR OF PUBLIC	M FOR THE M WORKS	ANAGEMENT		33.750		
				,	Total Quant	ity in kg	33.750		
10.02	13.71								
0	Lettering with blace	ck Japan p	oint of approv	ved brand and	d manufactu	re			
	Lettering with bla	ack Japan	pint of appro	oved brand a	nd manufact	ure			
		1	100.000			20.000 000	2000.000		
	Total						2000.000		
			Total Quar	ntity in per l	Letter per c	m height	2000.000		
11	General ground lev	velling an	d Road form	ation					
11.00	2.31								
1	Clearing jungle ind saplings of girth up removal of rubbish	p to 30 cn	n measured a	t a height of	1 m above g	round leve	el and		
	Clearing jungle i	ncluding	uprooting of	rank vegetat	ion, grass, b	rush wood	d, trees and		
		1	70.000	20.000			1400.000		
	Total						1400.000		
				To	otal Quantit	v in sam	1400.000		

11.00	Specification	No	Length	Width	Depth	Cf	Quantity				
11.00	2.33.1					J					
2	cutting of trunks at material and dispo	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyound 30 cm girth up to and including 60 cm girth									
	Felling trees of the girth										
		5					5.000				
	Total						5.000				
				To	tal Quantity	in each	5.000				
11.00	2.33.2				<u> </u>						
	cutting of trunks at material and dispo including 120 cm; Felling trees of t	sal of uns girth	erviceable m	aterial.Beyo	und 60 cm gi	rth up to	and				
	Tenning trees of t	3	0.38	570			3.000				
	Total		410				3.000				
	10001		- 100	To	tal Quantity	in each	3.000				
11.00	2.33.3				tai Quaitti	in cacii	5.000				
4	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 120 cm girth up to and including 240 cm girth										
	including 240 cm	girui					and ————————————————————————————————————				
	Felling trees of the						and				
		ne girth					3.000				
	Felling trees of th	ne girth		To	otal Quantity	in each	3.000 3.000				
	Felling trees of th	ne girth		To	tal Quantity	in each	3.000 3.000				
11.00	Felling trees of the	ctor own	onsolidating	ling rock) in each deposit	open areas in	n layers no amming a	3.000 3.000 3.000 ot				
	Felling trees of the Total 50.2.26.1 Filling with contract exceeding 20 cm is watering, lead up to	ctor own	onsolidating	ling rock) in each deposit	open areas in	n layers no amming a	3.000 3.000 3.000 ot				
	Felling trees of the Total 50.2.26.1 Filling with contract exceeding 20 cm in watering, lead up to charge.	ctor own	onsolidating	ling rock) in each deposit	open areas in	n layers no amming a	3.000 3.000 3.000 ot and eer-in-				
	Felling trees of the Total 50.2.26.1 Filling with contract exceeding 20 cm in watering, lead up to charge.	ctor own depth, co 50 m ar	onsolidating nd lift up to 1	ling rock) in each deposit .5 m as per c	open areas in ed layer by r lirection of si	n layers no amming a	3.000 3.000 3.000 ot				
	Felling trees of the Total 50.2.26.1 Filling with contract exceeding 20 cm in watering, lead up to charge. Earth filling	ctor own depth, co 50 m ar	onsolidating nd lift up to 1	ling rock) in each deposit .5 m as per c	open areas in ed layer by r lirection of si	n layers no amming a ite Engine	3.000 3.000 3.000 ot and eer-in-				
	Felling trees of the Total 50.2.26.1 Filling with contract exceeding 20 cm in watering, lead up to charge. Earth filling	ctor own depth, co 50 m ar	onsolidating nd lift up to 1	ling rock) in each deposit .5 m as per c	open areas in ted layer by relirection of sin	n layers no amming a ite Engine	3.000 3.000 3.000 ot and ber-in- 936.000 936.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.										
	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc,.										
	paris,	1	100.000		arming etc,.		150.000				
		1	25.000				125.000				
	Total						275.000				
				To	otal Quantit	v in sam	275.000				
11.00	4.1.6		A	W	<u> </u>	√ ··· <u>·</u>					
7	Providing and layi of centering and sl sand : 6 graded sto	nuttering one aggreg	- All work up	to plinth lev	vel:1:3:6 (1 o	de excludi cement : 3	ng the cost coarse				
	CC 1:3:6with 40 i	No.									
	Road surface	1	00000	2 500							
		1	90.000		0.150						
	Total			M FOR THE M	ANAGEMENT		47.250 47.250				
11.00	Total			M FOR THE M		y in cum					
11.00	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade	ng in pos	ition cement	concrete of so	otal Quantity specified grace vel:1:2:4 (cer	de excludi	47.250 47.250				
	4.1.3 Providing and layi of centering and sl	ng in posi nuttering - ed stone a	ition cement - All work up	concrete of so to plinth lev	pecified grad yel:1:2:4 (cer size)	de excludi nent : 2 co	47.250 47.250 ang the cost parse sand				
	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4	ng in pos	ition cement	concrete of so to plinth lev	pecified grad yel:1:2:4 (cer size)	de excludi nent : 2 co	47.250 47.250 ang the cost parse sand				
	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade	ng in posi nuttering - ed stone a	ition cement - All work up	concrete of so to plinth lever mm nominal 3.500	pecified grade vel:1:2:4 (cersize)	de excludi nent : 2 co	47.250 47.250 ang the cost parse sand 31.500 31.500				
8	Total 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4 Total	ng in posi nuttering - ed stone a	ition cement - All work up	concrete of so to plinth lever mm nominal 3.500	pecified grad yel:1:2:4 (cer size)	de excludi nent : 2 co	47.250 47.250 ang the cost parse sand 31.500 31.500				
8	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4	ng in posi nuttering - ed stone a	ition cement - All work up	concrete of so to plinth lever mm nominal 3.500	pecified grade vel:1:2:4 (cersize)	de excludi nent : 2 co	47.250 47.250 ang the cost parse sand 31.500 31.500				
12 12.00	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4 Total Installation of Fire	ng in posi nuttering - ed stone a	ition cement - All work up	concrete of so to plinth lever mm nominal 3.500	pecified grade vel:1:2:4 (cer size)	de excludi nent : 2 co	47.250 47.250 ang the cost parse sand 31.500 31.500				
12	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4 Total Installation of Fire 2.8.1 Earth work in excain foundation trending dressing out the excavated in the second of the excavated in the second of the excavated in th	ng in posi- nuttering - ed stone a 1 2 Hydrant avation by ches or dr of sides a soil and d	etion cement - All work up ggregate 20 90.000 mechanical ains (not exc	concrete of so to plinth lever mm nominal 3.500 To means (Hydred in South Street in Street in South Street i	pecified gradicel: 1:2:4 (cersize) 0.100 otal Quantite raulic excavation width or lift up to 1.5	y in cum	47.250 47.250 ing the cost parse sand 31.500 31.500 31.500 ual means plan), ling getting				
12 12.00	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4 Total Installation of Fire 2.8.1 Earth work in excain foundation trendincluding dressing	ng in posi- nuttering - ed stone a 1 2 Hydrant avation by ches or dr of sides a soil and d	etion cement - All work up ggregate 20 90.000 mechanical ains (not exc	concrete of so to plinth lever mm nominal 3.500 To means (Hydred in South Street in Street in South Street i	pecified gradicel: 1:2:4 (cersize) 0.100 otal Quantite raulic excavation width or lift up to 1.5	y in cum	47.250 47.250 ing the cost parse sand 31.500 31.500 31.500 ual means plan), ling getting				
12 12.00	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4 Total Installation of Fire 2.8.1 Earth work in excain foundation trendincluding dressing out the excavated of 50 m.All kinds	ng in posi- nuttering - ed stone a 1 2 Hydrant avation by ches or dr of sides a soil and d	etion cement - All work up ggregate 20 90.000 mechanical ains (not exc	concrete of so to plinth lever mm nominal 3.500 To means (Hydreding 1.5 mg of bottoms, rplus excavar	pecified gradicel: 1:2:4 (cersize) 0.100 otal Quantite raulic excavation width or lift up to 1.5	y in cum	47.250 47.250 ang the cost parse sand 31.500 31.500 31.500 ual means a plan), ling getting thin a lead				
12 12.00	4.1.3 Providing and layi of centering and sl (zone-III): 4 grade CC 1:2:4 Total Installation of Fire 2.8.1 Earth work in excain foundation trending dressing out the excavated of 50 m.All kinds Fire hydrant	ng in positive ted stone a set of sides a soil and dof soil	90.000 mechanical ains (not exceed ains ains of suring isposal of	concrete of so to plinth lever mm nominal 3.500 To means (Hydreding 1.5 mg of bottoms, rplus excavar	pecified gradicel:1:2:4 (cersize) 0.100 otal Quantit raulic excavation width or lift up to 1.5 ted soil as dispersed to the control of the	y in cum	47.250 47.250 ing the cost parse sand 31.500 31.500 31.500 ual means plan), ling getting				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
12.00	100.8.2				-	-					
2	Fencing 1.50m hig coir yarn on vertice										
	Fencing 1.50m high with two rows of casuarina poles (girth 15cm to 24cm) tied with coir yarn on vertical casuarina pole (girth 15cm to 24cm) fixed at 1.5m intervals.										
		1	6.000				6.000				
	Total						6.000				
				Tot	al Quantity	in metre	6.000				
12.00	2.16.1										
3	Close timbering in required) complete exceeding 1.5m										
	Close timbering i			trutting, shor	ring and pack	ing caviti	es				
		2	2.5+2.5		1.500		15.000				
	Total		14-13	9441			15.000				
			1000	T	otal Quantit	y in sqm	15.000				
12.00 4	6.3.1			3-16							
	Brick work with common burnt clay machine moulded perforated bricks of classdesignation 12.5 conforming to IS: 2222 in superstructure above plinth level up tofloor five level in cement mortar 1:6 (1 cement : 6 coarse sand):With F.P.S. (non modular) bricks										
	Brick work with c	ommon b	urnt clay ma	chine	Γ						
		1	3.360	0.120	0.600		0.242				
	Total						0.242				
				To	otal Quantit	y in cum	0.242				
12.00	4.2.3										
5	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor ble plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the of centering, shuttering and finishing:1:2:4 (1 cement : 2 coarse sand : 4 graded saggregate 20 mm nominal size)										
	providing and layi				1.000						
		2	1.000		1.000						
	Total	· ·			•		2.000				
	Total					v in cum	2.000				
12.00	Total 5.9.15				otal Quantit	y in cum					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Centering and shu	ittering in	cluding strut	ing, etc. and	removal of	form	
		2	4.000		1.000		8.000
	Total						8.000
				To	otal Quantity	y in sqm	8.000
12.00	100.12.9						
7	Conveying and fix refilling etc., but e diameter nominal	xcluding of					
	Conveying and f	ixing G.I.	pipes				
		1	6.000				6.000
	Total						6.000
				Tot	al Quantity	in metre	6.000
	OD198471/2022-2	2023					
8	Supply of 100mm	GI pipe	-63				
	Supply of 100 mm	n GI pipe	14-131	2411			
		1	6.000	Mary Comment			6.000
	Total			3-16			6.000
		M		Tot	al Quantity	in metre	6.000
12.00	100.31.1.2		e-PLATFOR	M FOR THE M	IANAGEMENT		
9	Conveying and fix insertions etc., cor will be paid separa	nplete, bu	t excluding the	he cost of the			
	Conveying and fix	ing C.I. s	luice valves				
		1					1.000
	Total						1.000
				,	Total Quant	ity in no	1.000
	13.1.1						
0	12 mm cement pla	ster of mi	x:1:4 (1 cen	ent: 4 fines	sand)		
	12 mm cement pla	aster mix					
	Fire hydrant brick box-inner	1	1.440		0.600		0.864
	outer	1	3.360		0.600		2.016
		1	3.360	0.120			0.403
	Total						3.283
				Te	otal Quantity	y in sqm	3.283
12.01	100.98.458						
1	Supply of CI Doub Valve with Cap Pl			ve Conformi	ng to IS 1484	46 - 2000	, Sluice

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Supply of CI Doub	ole Flange	d Sluice Val	ve							
		1					1.000				
	Total						1.000				
				,	Total Quant	ity in no	1.000				
13	Wash Water Arrangements to nearest safe drain/source after purification of wash water										
13.00	100.1.1										
1	Excavating trenches sockets, and dressing etting out the exceeding 20cm in watering, etc., and 50m, in all kinds of EW excavation in	ing of side avated so depth, in disposing of soil.	es, ramming oil, and then recluding constants	of bottoms, c eturning the solidating eac	lepth up to 1 soil as requin th deposited	.5m, inclured, in lay layer by r	iding ers not amming,				
	For drain	all classe	60.000	0.900	1.200		64.800				
	Total	1	00.000	0.900	1.200		64.800				
	Total		1456	TANK T	-4-1 O	:					
12.00	18.72.4			10	otal Quantit	y m cum	64.800				
	Providing and layi to IS: 8329:250 m Providing and lay 250mm DI pipe	ım dia Du	ctile Iron Cla			on Pipes o	60.000				
	Total						60.000				
12.00				Tot	al Quantity	in metre	60.000				
13.00	18.70.4 Providing push - o Pipes including tes pipes										
	Providing push or	joints				ı					
	250mm	15					15.000				
	Total						15.000				
				To	tal Quantity	y in joint	15.000				
	OD115445/2022-2	2023									
4	Labour for cutting 250mm dia. D I pi		oipe with stee	el saw.							
	Cutting D.I pipe										
	Cutting D.I pipe	4					4.000				
	Total						4.000				
				Total Q	Quantity in H	Each Cut	4.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
13.00	18.68.1					•	
5	Providing and layi IS: 9523:Upt 600		ecials of class	s K - 12 suita	able for push	- on joint	ing as per
	DI specials						
	250mm 90 degree	2			0.480		0.960
	250mm TP	2			0.320		0.640
	250x 250 tee	1			0.570		0.570
	Total						2.170
				Total	Quantity in	quintal	2.170
13.00	100.98.486						
6	Supply of CI Doub Valve with Hand V	ole Flange Wheel PN	d Sluice Val 1.6, Size 250	ve Conformi Omm.	ng to IS 1484	46 - 2000	, Sluice
	Supply of D/F slui	ce valve			,		
		1	-60	W			1.000
	Total		AHA	JAN.			1.000
			42410	AND THE PERSON NAMED IN	Total Quant	ity in no	1.000
13.00	100.31.2.6						
	Conveying and fix insertions etc., con will be paid separa Conveying and fix	nplete, buttely): 250	t excluding the mm diamete	he cost of the r, Class II.	e valve (tail p	pieces, if r	required,
		1					1.000
	Total	Į.					1.000
				r	Total Quant	ity in no	1.000
13.00	100.35.4				Total Qualit	ity in no	1.000
8	Testing 250mm Di 250 mm dia Observed Data der		-		-	test press	ure.
	Testing 250 mm d	ia pipe				1	
		1	60.000				60.000
	Total						60.000
				Tota	al Quantity i	in metre	60.000
14	Construction of re-	taining wa	all near river	side and con	npound wall		
14.00	2.8.1						
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 of soil	ains (not exco	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 exca	vation					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	for retaining wall	1	62.000	2.700	1.500		251.100		
	for compound wall	1	180.000	0.600	0.600		64.800		
	Total						315.900		
	Total Quantity in cum								
14.00	OD67444/2022-2023								
2	Extra earth work in excavation by mechanical means (Hydraulic excavator) /manumeans in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm or plan), including dressing of sides and ramming of bottoms, lift up to 3 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, was a lead of 50 m.All kinds of soil - initial depth 1.50m to 3.00m								
	Earth work excav								
	for retaining wall	1	62.000	2.700	1.500		251.100		
	Total			ωn.			251.100		
			1187	To	tal Quantit	y in cum	251.100		
14.00	OD67525/2022-20)23	M101	WALL .					
	means in foundation plan), including dragetting out the excallead of 50 m.All	essing of avated so kinds of s	sides and ran il and dispos	n <mark>min</mark> g of bot al of surplus	toms, lift up excavated so	to 4.5 m,	including		
	for retaining wall	1	62.000	2.700	1.400		234.360		
	Total	1	02.000	2.700	1.400		234.360		
	Total			To	tal Quantit	v in cum	234.360		
14.00	OD67711/2022-20)23		10	tai Quantit	y III Culli	254.500		
4	Providing ring burn bamboo including dismantling & amp direction of the decomplete.	nd (62x1x cutting of c; removing	f the Earth, fi ng the same a	lling, convey fter completi	ying and plaction of works	cing in pos properly	sition and as per the		
	Providing ring bu	ınd		I		Ī			
		1					1.000		
	Total						1.000		
				T	otal Quanti	ty in L.S	1.000		
14.00 5	Bailing out water verecting, dismantli and other stores pa	ng and ta	king back of	engine and p					
	Bailing out water		-						
		10	300.000	·		0.7500	2250.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						2250.000
				To	tal Quantity	in Kwh	2250.000
14.00	100.7.2						
6	Bailing out water conveyance to the of fuel lubricating	site, erect	ing, dismant	ling and taki	ng back of e		
	Bailing out water	with 10 H	IP engine and	d pump set		· ·	
		10	300.000			0.7500 00	2250.000
	Total						2250.000
				To	tal Quantity	in Kwh	2250.000
_	4.1.3						
7	Providing and layi of centering and sl (zone-III): 4 grade	nuttering - ed stone a	All work up	to plinth lev	vel:1:2:4 (cer		
	PCC 1:2:4 for leve	elling	62.000	2.700	0.100		16740
	Total	1	62.000	2.700	0.100		16.740
	Total	-		T	-4-1 04'4	•	16.740
14.00	5.33.1	-	C-DLATEOD	M FOR THE M	otal Quantit	y in cum	16.740
8	Providing and laying 25 grade cement coast per approved de excluding the cost admixtures in reconcrete, improve direction of Engine 330 kg/ cum. Exces separately. All wor	oncrete for esign mix, of centering ommended workabilities - in-chass or less on less	r reinforced including pung, shuttering proportions ty without in large. Note:-cement used	cement concumping of cong, finishing as per IS: 97 mpairing stre Cement con	erete work, us oncrete to site and reinforce 103 to accele ngth and dur tent consider	sing ceme e of laying ement, inc rate, retar- ability as ed in this	nt content g but luding d setting of per item is @
	Providing M25 de		12 000	2.500	0.200		46.700
	for foundation	1	62.000	2.500	0.300		46.500
	Total			TD.	otal O''	•	46.500
14.00	5 22 2			10	otal Quantit	y in cum	46.500
14.00 9	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 large. Note:-cement used	cement concumping of cong, finishing as per IS: 92 mpairing stre Cement conducts as per designations as per designations are conducted as per designations.	erete work, use oncrete to site and reinforce 103 to accele ngth and dur tent consider in mix is paya	sing ceme e of laying ement, inc rate, retar- ability as red in this	nt content g but luding d setting of per item is @

	Specification	No	Length	Width	Depth	Cf	Quantity			
	Providing M25 d	esign mix								
	retaining wall	1	62.000	(0.40+0.2 0)/2	5.000		93.000			
	retaining wall - buttress	20	(1.60+0.2 0)/2	0.300	5.000		27.000			
	Total						120.000			
				To	tal Quantity	y in cum	120.000			
14.01	5.9.1									
0	Centering and shuttering including strutting, etc. and removal of form for:Foundations footings, bases of columns, etc for mass concrete									
	Centering and shu	ttering				-				
	PCC for levelling	1	62.000		0.100		6.200			
	PCC for levelling	2	2.700		0.100		0.540			
	RCC foundation	2	62.000	(a/)	0.300		37.200			
	RCC foundation	2	2.500		0.300		1.500			
	Total		(11)				45.440			
				To	tal Quantity	y in sqm	45.440			
14.01	5.9.2									
1	Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.									
		ng attache								
	thickness) includir	ng attache					s etc.			
	thickness) includir Centering and shu	ng attache ttering	d pilasters, b		inth and strir		620.000			
	thickness) includir Centering and shur for retaining wall for retaining wall	ng attache ttering 2	62.000 2*((1.6+.		inth and strir 5.000		620.000 210.000			
	thickness) includir Centering and shur for retaining wall for retaining wall buttress	ng attache ttering 2	62.000 2*((1.6+.	utteresses, pl	inth and strir 5.000	ng courses	620.000 210.000 830.000			
14.01	thickness) includir Centering and shur for retaining wall for retaining wall buttress	ng attache ttering 2	62.000 2*((1.6+.	utteresses, pl	5.000 5.000	ng courses	620.000 210.000 830.000			
14.01	thickness) includir Centering and shur for retaining wall for retaining wall buttress Total	attache ttering 2 20 att for R.C. ading all c	62.000 2*((1.6+. 2)/2)+0.3	To	5.000 5.000 otal Quantity tening, cuttir	y in sqm	620.000 210.000 830.000 830.000 g, placing			
	thickness) includir Centering and shur for retaining wall for retaining wall buttress Total 5.22.6 Steel reinforcemer in position and bin	attache ttering 2 20 at for R.C. ading all c 00D or me	62.000 2*((1.6+. 2)/2)+0.3 C work incluomplete upto ore	To	5.000 5.000 otal Quantity tening, cuttir	y in sqm	620.000 210.000 830.000 830.000 g, placing			
	thickness) includir Centering and shur for retaining wall for retaining wall buttress Total 5.22.6 Steel reinforcemer in position and bin bars of grade Fe-5	attache ttering 2 20 at for R.C. ading all c 00D or me	62.000 2*((1.6+. 2)/2)+0.3 C work incluomplete upto ore RCC work 46.5+120	To	5.000 5.000 otal Quantity tening, cuttir	y in sqm ag, bendin schanically	620.000 210.000 830.000 830.000 g, placing			
	thickness) includir Centering and shur for retaining wall for retaining wall buttress Total 5.22.6 Steel reinforcemer in position and bin bars of grade Fe-5	attache ttering 2 20 at for R.C. ading all cood or ment for l	62.000 2*((1.6+. 2)/2)+0.3 C work incluomplete upto ore RCC work	To	5.000 5.000 otal Quantity tening, cuttir	y in sqm	620.000 210.000 830.000 830.000 g, placing y Treated			
	thickness) includir Centering and shur for retaining wall for retaining wall buttress Total 5.22.6 Steel reinforcemer in position and bin bars of grade Fe-5 Steel reinforce	attache ttering 2 20 at for R.C. ading all cood or ment for l	62.000 2*((1.6+. 2)/2)+0.3 C work incluomplete upto ore RCC work 46.5+120	To ading straight plinth level	5.000 5.000 otal Quantity tening, cuttir	y in sqm ag, bendin schanically 100.00 0000	620.000 210.000 830.000 830.000 g, placing y Treated			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approves steel primer.G.I. pipes										
	Providing and fixi	ng hand r	ails using 40	mm dia GI p	ipes	<u> </u>					
		1	250.000			3.7200 00	930.000				
	Total						930.000				
		Total Quantity in kg 930.000									
14.01	7.1.1										
4	Random rubble may up with cement co 20 mm nominal size sand)	ncrete 1:6 ze) up to	5:12 (1 cements) plinth level w	nt: 6 coarse	sand : 12 gra	ded stone	aggregate				
	RR masonry for co	ompound_	wall								
	for compound wall	1	180.000	0.600	0.600		64.800				
	Total		4175	AND W			64.800				
				To	otal Quantit	y in cum	64.800				
14.01	50.6.1.2			+							
5	or nearest availabl	Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement: 6 coarse sand) etc									
	Solid Block Mason	nry									
	Compound wall	1	180.000	0.200	1.500		54.000				
	Total						54.000				
				To	otal Quantit	y in cum	54.000				
14.01	13.1.2										
6	12 mm cement pla	ster of mi	x:1:6 (1 cem	ent: 6 fine s	and).						
	Plastering	Г		Γ	т	<u> </u>					
	for compound wall	2	180.000		1.600		576.000				
	Total						576.000				
				To	otal Quantit	y in sqm	576.000				
14.01	10.25.2		<u> </u>	<u> </u>	<u> </u>						
7	Item Shifted to Su Item Shifted to he Steel work welded in position and app etc. as required.In similar works Steel work for gat	ad 14 as it l in built uplying a p gratings,	tem 14.74 up sections/fr riming coat o	ramed work, of approved s	steel primer ı	ising struc	ctural steel				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	for gate	1				200.00 0000	200.000
	Total						200.000
				1	Total Quant	ity in kg	200.000
	13.48.3						
8	Finishing with Del primer as per man Surface Paint to gi an under coat of pro- Painting with delu	ufacturers ve an eve rimer app	specification n shade. Two lied @ 0.80 l	ns:Painting S o or more co	Steel work with at applied @	ith Deluxe 0.90 ltr/1	Multi 0 sqm over
	for gate	2	5.000	2.000			20.000
	Total						20.000
				T	otal Quantit	y in sqm	20.000
14.01	13.43.1			Section .			
9	Applying one coat manufacture on wa					brand and	
	Applying one coat	of water	thinnable ce	ment primer			
	Qnty same as item no.16	1	576.000	3 [576.000
	Total						576.000
			OF PUBLIC	WORKS T	otal Quantit	y in sqm	576.000
_	13.60.1						
0	Wall painting with an even shade:Two				d brand and	manufactu	re to give
	Wall painting with	acrylic e	mulsion pair	nt	Γ	Г	
	Qnty same as item no.19	1	576.000				576.000
	Total						576.000
				T	otal Quantit	y in sqm	576.000
15	Mechanical and El	lectrical w	orks				
_	OD204028/2022-2	2023					
1	Mechanical items installation of clar head gauges, wate in pipe gallery incl	ifier bridg r level ind	ge , Alum lim licator, Flow	ne agitator me meters inclu	otors,Blower	pump set	Loss of specials
	Mechanical and El	lectrical w	orks	<u> </u>	Γ	г г	
		1					1.000
	Total						1.000
				Т	otal Quanti	ty in L.S	1.000
16	Water supply and	Sanitary A	Arrangement	S			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
16.00	50.18.7.1.1						
1	Providing and fixing spacing. This in cement and testing dia 12kgf/cm2 -Int	cludes joi of joints	nting of pipe complete as	s & fittings v per direction	with one step	PVC sol	vent
	Providing and fixi	ng PVC p	ipes, fittings	including fix	king the pipe	with clan	nps
		1	50.000				50.000
	Total						50.000
				Tot	al Quantity	in metre	50.000
16.00	50.18.7.2.1						
2	Providing and fixing metre spacing. This cement and testing dia 12Kgf/cm2 - In	s includes of joints nternal wo	s jointing of p complete as ork - Exposed	pipes & fitting per direction on wall	ngs with one of Engineer	step PVĆ -in-Charg	solvent se 20 mm
	Providing and fixing metre spacing	ng PVC p	(1) (A)	including fix	king the pipe	with clap	
		1	50.000				50.000
	Total						50.000
16.00	50.18.7.3.1			Tota	al Quantity	in metre	50.000
3	Providing and fixing spacing. This in cement and testing dia 12 Kgf/cm2 - I	cludes joi g of joints nternal w	nting of pipe complete as ork - Expose	s & fittings very direction don wall	with one step of Engineer	PVC sol	vent ge 25 mm
	Providing and fixing m spacing.	ng PVC p	ipes, fittings	including fix	ting the pipe	with clan	nps at 1.00
		1	50.000				50.000
	Total						50.000
				Tota	al Quantity	in metre	50.000
	50.18.7.4.1						
4	Providing and fixing spacing. This in cement and testing dia 10Kgf/cm2- In	cludes joi of joints	nting of pipe complete as	s & fittings v per direction	with one step	PVC sol	vent
	Providing and fixing m spacing.	ng PVC p	ipes, fittings	including fix	king the pipe	with clan	nps at 1.00
		1	50.000				50.000
	Total						50.000
				Tot	al Quantity	in metre	50.000
16.00 5	50.18.7.5.1						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Providing and fixing 1.00m spacing. The cement and testing dia 10 Kgf/cm2- In	is include g of joints	es jointing of complete as	pipes & fittinger direction	ngs with one	step PVC	Solvent				
	Providing and fixing spacing.	ng PVC p	ipes, fittings	including fix	king the pipe	with clan	nps at 1.00				
		1	50.000				50.000				
	Total						50.000				
				Tota	al Quantity	in metre	50.000				
16.00	50.18.7.6.1	· · · · · · · · · · · · · · · · · · ·									
6	Providing and fixing m spacing. This in cement and testing dia 10 Kfg/cm - In Providing and fixing	cludes joi g of joints ternal wo	nting of pipe complete as rk- Exposed	es & fittings v per direction on wall	with one step of Engineer	PVC solvin-Charg	vent e 50 mm				
	m spacing.		50.000		mg the pipe	with cian					
	Total	1	30.000				50.000 50.00 0				
	Total						30.00				
				Tots	al Quantity	in metre	50 000				
16.00 7	50.18.8.1.1	ng DVC n	ince fittings		al Quantity						
16.00 7	Providing and fixim spacing. This in cement and testing Concealed work, in 12 Kgf/cm2	cludes joi g of joints ncluding o	nting of pipe complete as cutting chase	including fixes & fittings value of the fittings value of the fittings with the fitting sand making fitting fi	king the pipe with one step of Engineer g good the w	with cland PVC solventian PVC solven	nps at 1.00 vent ge. mm pipe				
16.00 7	Providing and fixing m spacing. This in cement and testing Concealed work, i	cludes joi g of joints ncluding o	nting of pipe complete as cutting chase	including fixes & fittings value of the fittings value of the fittings with the fitting sand making fitting fi	king the pipe with one step of Engineer g good the w	with cland PVC solventian PVC solven	nps at 1.00 vent ge. mm pipe				
16.00 7	Providing and fixing spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixing	cludes joi g of joints ncluding o	nting of pipe complete as cutting chase	including fixes & fittings value of the fittings value of the fittings with the fitting sand making fitting fi	king the pipe with one step of Engineer g good the w	with cland PVC solventian PVC solven	nps at 1.00 vent gge. mm pipe nps at 1.00				
16.00	Providing and fixing spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixing	cludes joi g of joints ncluding o	nting of pipe complete as cutting chase ipes, fittings	including fixes & fittings value of the fittings value of the fittings with the fitting sand making fitting fi	king the pipe with one step of Engineer g good the w	with cland PVC solventian PVC solven	nps at 1.00 vent ge. mm pipe nps at 1.00				
16.00 7	Providing and fixing spacing. This in cement and testing Concealed work, i 12 Kgf/cm2 Providing and fixing spacing.	cludes joi g of joints ncluding o	nting of pipe complete as cutting chase ipes, fittings	including fixes & fittings very direction in and making including fixed	king the pipe with one step of Engineer g good the w	with clan PVC solvening of the clark in- Char all etc. 15	nps at 1.00 vent ge. mm pipe nps at 1.00 50.000				
7	Providing and fixing spacing. This in cement and testing Concealed work, i 12 Kgf/cm2 Providing and fixing spacing.	cludes joi g of joints ncluding o	nting of pipe complete as cutting chase ipes, fittings	including fixes & fittings very direction in and making including fixed	king the pipe with one step of Engineer g good the w	with clan PVC solvening of the clark in- Char all etc. 15	nps at 1.00 vent ge. mm pipe nps at 1.00 50.000				
7	Providing and fixim spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixim spacing. Total	ng PVC p ng PVC p ng PVC p cludes joints	ipes, fittings ipes, fittings ipes, fittings complete as cutting chase	including fixes & fittings very direction including fixes and making including fixes & fittings very direction	king the pipe with one step of Engineer g good the was all Quantity wing the pipe with one step of Engineer	with clam PVC solvation PVC solvation with clam with clam PVC solvation-Charg	aps at 1.00 vent ge. aps at 1.00 50.000 50.000 aps at 1.00 vent e.				
7	Providing and fixing spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixing spacing. Total 50.18.8.2.1 Providing and fixing spacing. This in cement and testing Concealed work, in the cement spacing work, in the cement spacing work, in the cement and spacing work, in the cement and testing Concealed work, in the cement and testing	ng PVC p Ing PVC p	ipes, fittings ipes, fittings ipes, fittings tipes, fittings	including fixes & fittings very direction including fixes and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes and making	xing the pipe with one step of Engineer g good the was al Quantity al Quantity with one step of Engineer g good the was go	with clam PVC solvation PVC solvation with clam with clam PVC solvation PVC solvation in Chargeall etc. 20	nps at 1.00 vent rge. mm pipe nps at 1.00 50.000 50.000 nps at 1.00 vent re. mm pipe				
7	Providing and fixim spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixim spacing. Total 50.18.8.2.1 Providing and fixim spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixing the spacing of th	ng PVC p Ing PVC p	ipes, fittings tipes, fittings	including fixes & fittings very direction including fixes and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes and making	xing the pipe with one step of Engineer g good the was al Quantity al Quantity with one step of Engineer g good the was go	with clam PVC solvation PVC solvation with clam with clam PVC solvation PVC solvation in Chargeall etc. 20	yent ge. mm pipe nps at 1.00				
7	Providing and fixim spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixim spacing. Total 50.18.8.2.1 Providing and fixim spacing. This in cement and testing Concealed work, in 12 Kgf/cm2 Providing and fixing the spacing of th	ng PVC p reludes joints reluding of reluding of reludes joints reluding cong PVC p	ipes, fittings tipes, fittings tipes, fittings tipes, fittings tipes, fittings tipes, fittings tipes of pipe complete as utting chased tipes, fittings	including fixes & fittings very direction including fixes and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes & fittings very per direction in and making including fixes and making	xing the pipe with one step of Engineer g good the was al Quantity al Quantity with one step of Engineer g good the was go	with clam PVC solvation PVC solvation with clam with clam PVC solvation PVC solvation in Chargeall etc. 20	nps at 1.00 vent ge. mm pipe nps at 1.00 50.000 50.000 nps at 1.00 vent e. mm pipe nps at 1.00				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
16.00	50.18.8.3.1		-				
9	Providing and fixing spacing. This in cement and testing Concealed work, it 12 kgf/cm2	cludes joi g of joints	nting of pipe complete as	s & fittings v per direction	with one step of Engineer	PVC solv-in-Charge	vent e.
	Providing and fixing spacing.	ng PVC p	ipes, fittings	including fix	sing the pipe	with clan	nps at 1.00
	1	1	50.000				50.000
	Total						50.000
				Tota	al Quantity i	in metre	50.000
16.01	18.57.1				•		
0	Providing and fixing nominal bore, 98 r					olour.15 n	nm
	Providing and fixing	ng PTMT	, push cock	W/-			
		4		5 2410			4.000
							4.000
	Total		-0477	4.10.00			
	Total			То	tal Quantity	in each	4.000
	Total 18.64		P	То	tal Quantity	in each	4.000
16.01		ng PTMT	swivelling sl	711			
_	18.64 Providing and fixing		OF PUBLIC	hower, 15 m			
_	18.64 Providing and fixing less than 40 gms.		OF PUBLIC	hower, 15 m			ning not
_	18.64 Providing and fixing less than 40 gms.	ng PTMT	OF PUBLIC	hower, 15 m			ning not 4.000
_	18.64 Providing and fixing less than 40 gms. Providing and fixing	ng PTMT	OF PUBLIC	hower, 15 m		ore, weigl	4.000
16.01	18.64 Providing and fixingless than 40 gms. Providing and fixing Total 100.1.1	ng PTMT	swivelling s	hower, 15 m	m nominal be	ore, weigh	4.000 4.000 4.000
1	18.64 Providing and fixing less than 40 gms. Providing and fixing	es of requing of side avated son depth, in disposing	swivelling slive ired width forces, ramming cil, and then recluding cons	hower, 15 mm hower, r pipes, cable of bottoms, deturning the solidating each	Fotal Quant es, etc., includepth up to 1. soil as required the deposited	ity in no ding exca 5m, inclu ed, in laye	4.000 4.000 4.000 vation for ding ers not amming,
16.01	18.64 Providing and fixing less than 40 gms. Providing and fixing	es of requing of side avated son depth, in disposing of soil.	swivelling si ired width fo es, ramming oil, and then re- icluding consecutions	hower, 15 mm hower, r pipes, cable of bottoms, deturning the colidating each	Fotal Quant es, etc., inclue to 1. soil as required to deposited as directed,	ity in no ding exca 5m, inclu ed, in laye	4.000 4.000 4.000 vation for ding ers not amming,
16.01	18.64 Providing and fixing less than 40 gms. Providing and fixing	es of requing of side avated son depth, in disposing of soil.	swivelling si ired width fo es, ramming oil, and then re- icluding consecutions	hower, 15 mm hower, r pipes, cable of bottoms, deturning the colidating each	Fotal Quant es, etc., inclue to 1. soil as required to deposited as directed,	ity in no ding exca 5m, inclu ed, in laye	4.000 4.000 4.000 vation for ding ers not amming, lead of
16.01	18.64 Providing and fixing less than 40 gms. Providing and fixing	es of requing of side avated son depth, in disposing of soil.	ired width for es, ramming oil, and then recluding constant g of surplus e	hower, 15 mm hower, r pipes, cable of bottoms, deturning the solidating each excavated soil	Fotal Quant es, etc., includent up to 1. soil as required deposited as directed, les,	ity in no ding exca 5m, inclu ed, in laye	4.000 4.000 4.000 vation for ding ers not amming, lead of
16.01	18.64 Providing and fixing less than 40 gms. Providing and fixing and fixing the second secon	es of requing of side avated son depth, in disposing of soil.	swivelling slave sired width for es, ramming oil, and then recluding constructions of surplus equired width for 30.000	hower, 15 mm hower, r pipes, cable of bottoms, deturning the colidating each excavated soil.	Fotal Quant es, etc., include the up to 1. soil as required the deposited as directed, les, 0.600	ity in no ding exca 5m, inclu ed, in laye	4.000 4.000 4.000 4.000 vation for ding ers not amming, lead of 5.400
16.01	18.64 Providing and fixing less than 40 gms. Providing and fixing	es of requing of side avated son depth, in disposing of soil.	swivelling slave sired width forces, ramming of il, and then recluding consignof surplus equired width forces and surplus equired wi	hower, 15 mm hower, r pipes, cable of bottoms, deturning the colidating eac excavated soil.	rotal Quant es, etc., include the up to 1. soil as required as directed, les, 0.600 0.600	ity in no ding exca 5m, inclu ed, in laye	4.000 4.000 4.000 vation for ding ers not amming,

16.01	100.9.1 Laying uPVC pipe						
3							
	made, placing in p pipes and specials required test pressi diameter pipes.	osition al with solv	igning the pipent and cement and cement and cement and cement and cement and cement and center and	peline to the nd testing the	lines and lev e pipeline wi	els and jo th water t	inting the o the
	Laying UPVC pipe	es of 20n	nm				
		1	30.000				30.000
	Total						30.000
				Tot	al Quantity	in metre	30.000
16.01	100.9.2						
	pipes and specials required test pressi diameter pipes. Laying UPVC pipe	ure (exclu	ding cost of	pipes and sp	ecials): 25 m	m nomina	al outside
	25 mm dia	1	30.000		,		30.000
	Total		20.000				30.000
	10001	V		Tot	al Quantity	in metre	30.000
16.01	100.98.229		e-PLATFOR		IANAGEMENT		
5	Supply of PVC Pig	oe. 10kg/c	m2, 20mm I	 Dia.			
	Supply of uPVC P				nm.		
		1	30.000	,			30.000
	Total						30.000
				Tot	al Quantity	in metre	30.000
16.01	100.98.230						
6	Supply of PVC Pip	oe, 10kg/o	m2, 25mm I	Dia.			
	Supply of uPVC P	ipe, IS 49	85: 2000 , 10)kg/cm2, 251	nm.		
		1	30.000				30.000
	Total						30.000
				Tot	al Quantity	in metre	30.000
16.01	17.2.1						
7	Providing and fixin W.C. pan) with sea flush pipe, with ma with all fittings and and floors wherever	at and lid, anually co d fixtures er require	10 litre low ontrolled device complete, in d:W.C. pan v	level white I ice (handle le cluding cutti	P.V.C. flushing ever), conforming and making	ng cistern ming to IS ng good tl	, including S: 7231, he walls

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and fixing European type WC	3					3.000
	Total						3.000
				To	tal Quantit	y in each	3.000
	50.17.1.3						
8	Supplying and fixi materials and labo charge.						
	Supplying and fixi	ng CP tov	wel rod				
	Supplying and fixing CP towel rod	4					4.000
	Total						4.000
				W	Total Quant	tity in no	4.000
_	50.17.1.1		A CON	ō All			
9	Supplying and fixi charges etc comple						nd labour
	Supplying and fixi	ngstainle	ss steel soap	dish			
		4					4.000
	Total		e-PLATFOR OF PUBLIC	M FOR THE N WORKS	IANAGEMENT		4.000
					Total Quant	tity in no	4.000
_	50.17.1.5						
0	Supplying and fixi including cost of n Engineer-in-charge	naterials a					
	Supplying and fixi	ng CP He	alth Faucet	superior qual	ity		
		4					4.000
	Total						4.000
					Total Quant	tity in no	4.000
16.02	17.7.11						
1	Providing and fixing mm C.P. brass was cutting and making Wash basin 530 x	ste of stang good the	dard pattern walls where	, including p ever require:	ainting of fit Stainless Ste	tings and l el AISI - 3	brackets,
	Providing and fixing mm C.P. brass was	ng wash b					taps, 32
		4					4.000
	Total						4.000
				To	otal Quantity	y in each	4.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
16.02	17.11.2									
2	Providing and fixichain with rubber necessary C.P. bracutting and making	plug 40 m ss unions	nm C.P brass complete, in	waste and 4 cluding pain	0 mm C.P. biting of fitting	rass trap w gs and bra	vith ckets,			
	Providing and fixi									
		4		_			4.000			
	Total						4.000			
				To	tal Quantity	y in each	4.000			
16.02	17.28.1.1									
3	Providing and fixi waste fittings com Semi rigid pipe32	plete. mm dia		For sink or wa	ash basin inc	luding PV	C.			
	Providing and fixi	ng P.V.C.	waste pipe	5.25		Г				
		4					4.000			
	Total		14-15	2611			4.000			
			Silter.	To	tal Quantity	y in each	4.000			
	17.28.1.2			3-16						
4	waste fittings com Semi rigid pipe40	Providing and fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete. Semi rigid pipe40 mm dia								
	Providing and fixi	ng P.V.C.	waste pipe							
		4					4.000			
	Total						4.000			
				To	tal Quantity	y in each	4.000			
	17.28.2.1									
5	Flexible pipe32 m									
	Flexible pipe32 m									
		4					4.000			
	Total						4.000			
				To	tal Quantity	y in each	4.000			
16.02 6	17.28.2.2									
0	Flexible pipe40 m									
	Flexible pipe40 m									
		4					4.000			
	Total						4.000			
				To	tal Quantity	y in each	4.000			
	17.34.1									
7	Providing and fixi	ng toilet p	aper holder:	C.P. brass						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Providing and fixi	ng toilet p	aper holder:	C.P. brass							
		4					4.000				
	Total						4.000				
				ı	Total Quant	ity in no	4.000				
	17.35.1.1										
8	Providing and fixing soil, waste and vent pipes: 100 mm diaSand cast iron S & S pipe as per IS: 1729										
	Providing and fixing pipe	ng soil, w	aste and vent	t pipes:100 n	nm diaSand o	east iron S	& S				
		1	30.000				30.000				
	Total						30.000				
				Tot	al Quantity	in metre	30.000				
	17.35.1.2										
9	Providing and fixi 100 mm diaCentri 3989				pigot (S & S) pipe as	per IS :				
	Providing and fixi	ng soil, w	aste and vent	t pipes:100 n	nm dia						
		1	30.000	3			30.000				
	Total	X					30.000				
		Total Quantity in metre									
16.03	17.60.1.1										
0	Providing and fixi grating without ve walls and floors: 100 mm inlet and	nt arm co	mplete, inclu	ding cost of	cutting and r	naking go					
	100 mm inlet and 100 mm outletSand cast iron S & S as per IS: 3989 Providing and fixing trap of self cleansing design with screwed down or hinged grating without vent arm complete,										
		4					4.000				
	Total						4.000				
				To	tal Quantity	y in each	4.000				
	1.7.71										
16.03	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms									
16.03 1	Providing and fiximm distance from	wall of st	andard shape	with bracke	et of the same	e materials					
4	Providing and fiximm distance from	wall of st	andard shape and colour, v	e with bracke veighing not	et of the same	e materials					
4	Providing and fiximm distance from fittings of approve	wall of st	andard shape and colour, v	e with bracke veighing not	et of the same	e materials	s with snap				
4	Providing and fiximm distance from fittings of approve	wall of st d quality ng PTMT	andard shape and colour, v	e with bracke veighing not	et of the same	e materials					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Constructing maso 1:4 (1 cement:4 co diameter, 160 mm RCC top slab 1:2:4 nominal size), i/c r sand: 10 graded sto cement mortar 1:3 coat of neat cemen (non modular) bric	barse sand) bottom di mix (1 checessary cone aggreg material (1 cement	of for sluice very ameter and tement: 2 coexcavation, gate 40 mm; at: 3 coarse to as per stan	alve, with C. 180 mm deep parse sand: 4 foundation conominal size sand) 12 mm dard design:	I. surface boo (inside) with graded stone oncrete 1:5:1) and inside pathick, finish	x 100 mm h chained e aggrega 0 (1 cem blastering ed with a	top lid and te 20 mm ent: 5 fine with floating
	Constructing maso	nry chaml	ber				
		6					6.000
	Total						6.000
				To	tal Quantity	in each	6.000
16.03	19.9.1.1						
	Constructing brick 0.56 m dia at to[i plaster 12 mm thic floating coat of near 6 graded stone agg cement concrete 1: nominal size) finis design: 0.91 m deep with 5 mm internal diamenot less than 182 k stone aggregate 20 (Excavation, foot is paid for separately designation 7.5	n cement in the k with certain cement, gregate 40 (2:4 (1 centre) hed with a centre conforter, fixed in the centre conforter, fixed in the centre conforter, so mm nominates and 1 (2): With centre centre centre) with centre cen	mortar 1:4 (ment mortar foundation mm nomina ment:2 coars a floating cooper and frarming to IS: a cement corinal size) inc 2 mm thick	1 cement: 4 de 1:3 (1 cement concrete 1:3 de	coarse sand), nt: 3 coarse s :6 mix (1 cer making neces aded stone ag ment, all com ty, HD-20 gr weight of cor 1 cement: 2 cering, shutteri er at the exte	in side cesand) finisment: 3 cessary chargeregate 2 aplete as perade designer and frecoarse sanng all corrnal surfa	ement shed with a parse sand: nnel in 0 mm per standard (nation) 560 ame to be ad: 4 graded mplete.
			circular type	e manhole			class
	Total	6	circular type	e manhole			6.000
	Total		circular type		otal Quantity	in each	class
16.03	Total 18.8.2 Providing and fixing stability for hot & fittings i/c fixing the pipes fittings, with making good the sengineer-in-Chargwall etc.20 mm not supplying, covey .	ng Chlorin cold water he pipe wi th one ster ame include e. Concea minal outer	nated Polyving supply, incept the clamps at p CPVC soluting testing the clauded work, in the claude work,	nyl Chloride luding all Ch 1.00 m spac vent cement of joints com neluding cutt	PVC plain & ing. This inc and the cost of a plete as per ing chases ar	es, having brass thre ludes join of cutting direction	6.000 6.000 6.000 thermal eaded ting of chases and of g good the
	Providing and fixing stability for hot & fittings i/c fixing the pipes fittings, with making good the sengineer-in-Chargwall etc. 20 mm no	ng Chlorin cold water he pipe wi ith one ster ame includes. Concean	nated Polyving supply, incept the clamps at p CPVC soluting testing the clauded work, in the claude work,	nyl Chloride luding all Ch 1.00 m spac vent cement of joints com neluding cutt	(CPVC) pipe PVC plain & ing. This inc and the cost of applete as per ing chases ar	es, having brass thre ludes join of cutting direction	6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
16.03	OD66686/2022-2023								
5	Supplying, conveying ,fitting and fixing 15 mm chrome plated angle valve with branch connection of approved make (As per ASTM D 2467, Schedule 80). complete in all respect including cost of all necessary fittings as required,jointing materials in any position as per the direction of Departmental officers. No separate payment will be made for accessories, specials.								
	Supplying, covey connection	fitting an	d fixing 15 n	nm chrome p	olated angle v	alve with	branch		
		6					6.000		
	Total						6.000		
					Total Quant	tity in no	6.000		
_	OD66687/2022-20)23							
6	Supplying, conveying, fitting and fixing 25 mm 25mm chrome plated angle valve of approved make (As per ASTM D 2467, Schedule 80). complete in all respect including cost of all necessary fittings as required,jointing materials in any position as per the direction of Departmental officers. No separate payment will be made for accessories, specials.								
	Supplying, covey	fitting an	d fixing 25 n	nm 25mm ch	rome plated	angle val	ve		
	6 OF PUBLIC WORKS 6								
	Total						6.000		
				ı	Total Quant	tity in no	6.000		
16.03 7	OD66688/2022-20)23							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Supplying, convey	ing ,fittin	g ,concealed	and fixing 2	5 mm CPVC	C (Chlorin	ated			
	Polyvinyl Chloride) <br&g< td=""><td>rtinines of</td><td>annroved m</td><td>ake conform</td><td>ing to IS-15</td><td>778- 2007</td><td>with all</td></br&g<>	rtinines of	annroved m	ake conform	ing to IS-15	778- 2007	with all			
	necessary accessor	ries, speci	als viz.							
	Brass socket, Brass bend, MALE BRASS UNION ,TRANSITION COUPLING ,END CAP,REDUCER BUSHING,MALE BRASS TEE,MALE ADAPTOR (BRASS THREADS),MALE ADAPTOR (BRASS THREADS) ,REDUCING MALE ADAPTOR (BRASS THREADS),FEMALE ADAPTOR (BRASS THREADS),REDUCING BRASS COUPLING,MALE BRASS UNION,FEMALE BRASS									
	UNION,COUPLIN	NG,all typ	es of bends,	Brass tee,						
	union, cross, elbo, piece ,Brass thread			;br>reduc	eing socket, r	reducing to	ee, short			
	threaded tee ,Brass	s threaded	elbow etc.&		ed with holde	er bats cla	mps,			
	including cutting p				maaaaaami fi	ttinas as				
	complete in all res required, jointing n				necessary ii	ungs as				
	connecting the ang	gle valve,	taps,Shower,		>per the o	direction of	of			
	Departmental office made on the centre			f total nine li	ne & lt·br& at·	including	- all			
	specials. No separa				newn,orwgt,	,including	an			
	for accessories, sp			716						
	Supplying, covey.	fitting ,co	oncealed and	fixing 25 mr	n CPVC					
		1	50.000	IVI F LIVE I FILE IV	ANAGEMENT		50.000			
	Total		OF PUBLIC	WORKS			50.000			
				Tot	al Quantity	in metre	50.000			
	OD66692/2022-20)23								
8	Supplying, conveying, fitting, and fixing of 15 mm Stainless Steel tap set with all accessories connecting Brass threaded reducer,Brass threaded tee,Brass threaded elbow etc of approved make with all necessary accessories,including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required,jointing materials in any position for connecting the angle valve ,taps ,Shower, etc as per the direction of Departmental officers. (No separate payment will be made for accessories, specials.									
	Supplying, covey ,fitting , and fixing of 15 mm Stainless Steel tap set with all accessories<									
		8					8.000			
	Total						8.000			
				,	Total Quant	ity in no	8.000			
16.03 9	OD66693/2022-20)23								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Supplying, convey	ing ,fittin	g , and fixing	g of 200 mm	Stainless Ste	eel showe	r set with			
	all accessories connecting Brass threaded reducer,Brass threaded tee ,Brass threaded elbow etc of approved make with all necessary accessories,including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required,jointing materials in any position for connecting the angle valve ,taps ,Shower, etc as per the direction of Departmental officers. (No separate payment will be made for accessories, specials.									
	Supplying, covey	fitting, a	nd fixing of	200 mm Stai	nless Steel sl	nower				
		4					4.000			
	Total						4.000			
				,	Total Quant	ity in no	4.000			
16.04 0	OD66710/2022-20)23								
	:Supplying, conveying ,and fixing 50 mm G.M. ball valve with polythene float for 50 mm connection (heavy quality) including cost of all necessary fittings as required,jointing materials in any position as per the direction of Departmental officers. No separate payment will be made for accessories, specials.									
	Supplying, covey connection<	and fixin		M. ball valve		ene float f	or 50 mm			
		1	OF FUBUL	WURKS			1.000			
	Total						1.000			
				,	Total Quant	ity in no	1.000			
	OD66711/2022-2023									
1	:Supplying, conveying ,and fixing 40 mm G.M ball valve with polythene float for 40 mm connection (heavy quality) including cost of all necessary fittings as required,jointing materials in any position as per the direction of Departmental officers. No separate payment will be made for accessories, specials.									
	Supplying, covey connection<	and fixing	g 40 mm G.N	M ball valve	with polyther	ne float fo	or 40 mm			
		1					1.000			
	Total						1.000			
				,	Total Quant	ity in no	1.000			
16.04	OD66715/2022-20)23								
2	Supplying, convey mm con required,jointing n as per th made for accessor	nection(he naterials i e directio	eavy quality n any positio n of Departn	including co	st of all nece	ssary fitti	ngs as			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Supplying, covey ,and fixing 32 mm G.M. ball valve with polythene float for mm<							
		1					1.000	
	Total						1.000	
				!	Total Quant	ity in no	1.000	
16.04	18.18.3							
3	Providing and fixing plastic floats comp	ng ball va blete:25 m	lve (brass) o m nominal b	f approved q ore	uality, High	or low pre	essure, with	
	Supplying, covey	and fixing	g of 25 mm (G.M. ball val	ve	F		
		1					1.000	
	Total						1.000	
				To	tal Quantity	y in each	1.000	
16.04								
16.04	18.18.2							
16.04 4	18.18.2 Providing and fixing plastic floats comp				uality, High	or low pre	essure, with	
	Providing and fixing	olete:20 m			uality, High	or low pre	essure, with	
	Providing and fixing plastic floats comp	olete:20 m			uality, High	or low pre	·	
	Providing and fixing plastic floats comp	olete:20 m			uality, High	or low pre	1.000	
	Providing and fixing plastic floats compared 20mm Ball valve	olete:20 m		ore	uality, High o		1.000 1.000	
4	Providing and fixing plastic floats compared 20mm Ball valve	olete:20 m with float		To			1.000 1.000	
4	Providing and fixing plastic floats comp 20mm Ball valve value val	with float 1 2023	m nominal b	To			1.000 1.000	
16.04	Providing and fixing plastic floats compared 20mm Ball valve value	with float 2023 on of conc	m nominal b	Towns			1.000	
16.04	Providing and fixing plastic floats compared 20mm Ball valve value	with float 2023 on of conc	m nominal b	Towns			1.000 1.000 1.000	
16.04	Providing and fixing plastic floats compared 20mm Ball valve value	with float 2023 on of conc	m nominal b	Towns			1.000 1.000 1.000	
16.04	Providing and fixing plastic floats compared 20mm Ball valve value	with float 2023 on of conc	m nominal b	To nk		y in each	1.000 1.000 1.000 1.000	
16.04	Providing and fixing plastic floats compared 20mm Ball valve value	with float 2023 on of conc ng concre	rete septic ta	To nk	otal Quantity	y in each	1.000 1.000	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	:Provision for setti	ng Labor	atory includi	ng chemicals	s,lab equipme	ents,furnit	ure etc		
	such as Mag-sal	lt of EDT	A 100 am 1	Magnagium S	Sulphoto 100	am Ethy	1 Alaahal		
	(95%)-500 ml, Me	thyl Red	Indicator-12	viagnesium s 5	surpnate-100	giii, Eury	1 Alcohol		
	ml, Calcium Carbo	onate-250	mg, 02 NEI		n- 4x250 ml,	Sodium S	ulphate-		
	150 gm, SPADNS	-5 gm, Si	lver	- 100 C-		1- 100	- XX71-14-		
	Sulphate-100 gm, Zirconyl Oxy Chloride-100 gm, Sodium Fluoride-100 gm, White Phenol-100 gm, Pot Nitrate-100 gm, Pot Hydroxide-250 gm, Fuming Sulphuric Acid-500 ml, Sulfamic Acid-500 ml, Al Hydroxide-250 gm, < br> Glacial Acetic Acid-2x500 ml, 1x10 phenantholine- 25 gm, Ferrous Ammo: Sulphate-100 gm,								
	Acetone3x500 ml, No.41- 25 Nos,Wh			Mac Conke	ev Broth (Hi	Media)-5	v1ka		
	Tissue paper-3 Ro			s, wae conke	by broth (III	Micura)-3	AIKg,		
	Rolls, Kraft Paper-	100 Nos,	Ordinary Fil	ter Paper-25	Nos. <br&< td=""><th>gt;Refrig</th><td>erator 200</td></br&<>	gt;Refrig	erator 200		
	Ltrs with Stabilize			N. (T. 1.1.	. 3.6 1.33	, G G,	*.1		
	Apparatus with 4 J Connection-1 No,		, pH Meter-1	No., Turbidi	ty Meter-1 N	lo,Gas Sto	ove with gas		
	Distiller (Pyrex / C		lass)-1 No. I	Bunson Burne	er-5 Nos.Chl	orine Cor	nparator-2		
	Nos, Stop watch-1	No, Spir	it ()	(1) A(1)	,		1		
	Lamp-2 Nos,Servo				onics-1 No.&	klt;br>	Nesslers		
	Tube 100 ml-10 N Nos, Conical Flask	os, Nessl	ers Tube 50 i	nl-5 <mark>ord Flook 10</mark> 0	0 ml 5 Nos S	tandard F	lack 250		
	ml-5 Nos, Standar			ard Flask 100	J III-J 1408,5	nanuaru r	1ask 230		
	mls-5 Nos, Gradua	ated pipet	te 10 ml-5 N	os, Burette25	5 ml-3 Nos, I	Burette 50	ml-3 Nos,		
	Burette 100 ml-2 N					1 (151)	\ -		
	Stand-8 Nos, Ness Nos, Pipette barrel-			e made)-5 No	os, Pipette St	and (Fibre	e)-5		
	Bottles 125 ml-25			s Amber col	oured (1 ltr)-	5 Nos. St	oppered		
	Bottles 500 ml-10	Nos, Stop	opered						
	Bottles 1 Lit- 10 N	los, Erlen	meye Flask 1	l Lit-2 Nos, I	Round Botto	m Flask 1	Lit-3 Nos,		
	Round Bottom Fla Nos, Vaccum Desc			Condenser_2	Nos Macon	key Bottle	2-25 Nos		
	Polyethelene Bottl			Condenser-2	1405, Macon	ikcy Doun	C-23 110s,		
	Nos, Polyethelene	Bottles 2	50 ml-10 No	s, Polyethene	e Beaker 100	ml-10 No	os,		
	Polyethene Beaker			uhhan Dulha			Maa		
	Spatula-1 Dozen, O Porcelain Crucible			ubber Buib v	vim various j	pours - 5 I	NOS,		
	Crucible-5 Nos, Cl			Nos. Watch	Glass 15 cm	dia- 5			
	Nos, Wa								
	No Stoo			Armed Chair	r -6 Nos,Offi	ce table w	ith drawers		
	on both end and gl	ass stad a	u uie						
	top-2 Nos,Glass do	oor cupbo	ard1 No, O	rdinary Chai	rs-4 Nos, Ste	eel Almara	ah with		
	locker-1 No, Table			•	•				
	1 No each.								
	:Provision for setti	ng Labor	atory includi	ng chemicals	s,lab equipme	ents,furnit	ure etc		
		1					1.000		
	Total						1.000		
				T	otal Quanti	ty in L.S	1.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
18	Operation and Ma	intanance	charges		-					
18.00	OD220105/2022-2023									
1	Engaging Operator									
	Engaging Operator									
	2 shift	2	540.000				1080.000			
	Total						1080.000			
				ı	Total Quant	ity in no	1080.000			
18.00	OD220106/2022-2	2023								
2	Engaging Man Ma	zdoor								
	Engaging Operator									
	2 shift	2	540.000				1080.000			
	Total						1080.000			
			Л	io/_	Total Quant	ity in no	1080.000			
18.00	OD220107/2022-2	2023	a iki							
3	Engaging Gardner									
	Engaging Gardner									
	1/2 duty	0.5	540.000	711			270.000			
	Total	Ph.					270.000			
			OF PUBLIC	WORKS	Total Quant	ity in no	270.000			
18.00	OD220147/2022-2	2023								
4	Supply and delivery of Hydrated lime as per specification at dosage(or as per condition)									
	Supply and delive	ery of lim	ne							
		14.8					14.800			
	Total						14.800			
				T	otal Quantit	ty in MT	14.800			
18.00	OD220151/2022-2	2023								
5	Supply and delivery of alum (as per condition)									
	Supply and delive	ery of alui	n							
		18.9					18.900			
	Total						18.900			
				T	otal Quantit	ty in MT	18.900			
18.00	OD220112/2022-2	2023								
6	Supply and deliver	ry of Chlo	rine cylinde	•						
	Supply and deliver	ry of Chlo	rine cylinder	•						
		5					5.000			
	Total						5.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				1	Total Quant	ity in no	5.000

