GENERAL ABSTRACT

Jal Jeevan Mission (JJM)-JJM-WSS to Kudayathoor panchayath in Idukki District.-Supply and Laying Clear Water Pumping Mains, Construction of sump cum pump house, Construction of GLSR at various

zones, Supply and erection of Pumpsets and Supply and erection of 400 KVA Transfomer-Package I-General Civil Work

Sl No	Head Description	Amount
1	Supply and laying of Clear Water Pumping Mains	102086252.2 6
2	Road restoration works(MORTH)	18375571.20
3	Road restoration charges (DAR CIVIL)	3336364.00
4	Road restoration charges to be remitted to other agencies	914880.00
5	Construction of Sump cum pump house at Blind school	6076153.84
6	Construction of 0.80 LL sump and pump house at Morkadu	2671432.46
7	Construction of 0.3 LL sump and pump house at Morkadu booste	er 2 1527128.28
8	Construction of 1.0 LL capacity steel tanks at Morkadu top	1165092.87
9	Construction of 1.80 LL capacity steel tank at Kaippa.	1987019.37
10	Construction of 2.20 LL capacity steel tank at Adoormala.	2440050.03
11	Supply, errection, commissioning of clear water pump sets and Transformer arrangements	11722759.10
12	Power allocation charges	1500000.00
	Total Estimation P	AC 153802703.4
С	Extra Charges	
C.001	Provision for GST	
	153802703.41 18.00%	27684486.61
	Grand To	tal 181487190.0
	Round	off 809.98
	Rounded Total(I	Rs) 181488000.0
	Rupees Eighteen Crore Fourteen Lakh Eighty Eight Thousand	

Approved By **Sudheer TS** (PEN:G45721), Chief Engineer

DETAILED ESTIMATE

Jal Jeevan Mission (JJM)-JJM-WSS to Kudayathoor panchayath in Idukki District.-Supply and Laying Clear Water Pumping Mains, Construction of sump cum pump house, Construction of GLSR at various

zones, Supply and erection of Pumpsets and Supply and erection of 400 KVA Transfomer-Package I-General Civil Work

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
1	Supply and laying	of Clear V	Water Pumpi	ng Mains			
1.001	100.98.119						
	Supply of DI K9 P	ipe Confo	orming to IS	8329/2000, 3	300mm Dia.		
	For clear w House near Blind	ater pump school	ing main fro	m Plant at Pe	erumattom to	sump cui	n Pump
	Pumping main (8100-1670)	1	6980.000				6980.000
	2% for future mace.	1	130.000				130.000
	Total	N/					7110.000
			e-PLATFOR	Tota	al Quantity i	in metre	7110.000
1.002	100.98.117		OF PUBLIC	WORKS			
	Supply of DI K9 P	ipe Confo	orming to IS	8329/2000, 2	200mm Dia.		
	Clear water pur	nping mai	n from Sum	to Morkka	du Booster 1	F	
	200 mm DI K9 pipe	1	3210+90				3300.000
	2% for future mace.	1	66.000				66.000
	Total						3366.000
				Tota	al Quantity i	n metre	3366.000
1.003	100.98.116						
	Supply of DI K9 P	ipe Confo	orming to IS	8329/2000, 1	50mm Dia.		
	CWPM from Sum	p to Adoo	rmala,Sump	to Kaipa			
	150 mm DI K9 Pipe	1	3950+50 00				8950.000
	2% for future mace.	1	179.000				179.000
	Total						
				Tota	al Quantity i	in metre	9129.000
1.004	100.98.115						
	Supply of DI K9 P	ipe Confo	orming to IS	8329/2000, 1	00mm Dia.		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	CWPM from Mo top,Morkkadu Boo				Booster 2 to N	Morkkadu					
	100 mmDI K9 pipe	1	1100+13 50+1320				3770.000				
	2% for future mace.	1	75.000				75.000				
	Total						3845.000				
				Tot	al Quantity	in metre	3845.000				
1.005	100.98.457										
	Supply of CI Doul Valve with Cap Pl			ve Conform	ing to IS 148	46 - 2000,	Sluice				
	Sluice valve										
	For scour	3					3.000				
	Total						3.000				
					Total Quant	ity in no	3.000				
1.006	100.98.458										
	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.										
	Sluice valve	M		TIL							
	For scour	4	e-PLATFOR	M FOR THE M	ANAGEMENT		4.000				
	Total		OF PUBLIC	WORKS			4.000				
				1	Total Quant	ity in no	4.000				
1.007	100.98.460										
	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.										
	Sluice valve										
	For scour	2					2.000				
	Total						2.000				
				ı	Total Quant	ity in no	2.000				
1.008	100.98.461										
	Supply of CI Doul Valve with Cap Pl			ve Conform	ing to IS 148	46 - 2000,	Sluice				
	Sluice valve										
	For scour	4					4.000				
	Total						4.000				
				ı	Total Quant	ity in no	4.000				
1.009	100.98.440										
	Supply of CI Air V Type S1, Size 25n		nforming to	IS 14848 - 20	000, Single C	Orifice, Sm	nall Orifice				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Air valve					-				
		3					3.000			
	Total						3.000			
				,	Total Quant	ity in no	3.000			
1.010	100.98.441									
	Supply of CI Air V Type S1, Size 40n		nforming to 1	IS 14848 - 20	000, Single C	Orifice, Sm	nall Orifice			
	Air valve									
		18					18.000			
	Total						18.000			
				,	Total Quant	ity in no	18.000			
1.011	100.98.446									
	Supply of CI Air V Size 50mm.	/alve, Cor	nforming to l	IS 14848 - 20	000, Double	Orifice Ty	pe DS2,			
	Supply of 50mm I	D/O CI aiı	valve	9 444						
	50mm D/O CI air valve	6	- Salls				6.000			
	Total						6.000			
					Total Quant	ity in no	6.000			
1.012	100.98.436		OF PUBLIC	WORKS						
	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Kinetic Air Valve Type DK, Size 80mm.									
	For air valve in p	oumping n	nains							
		June 1	itanis			Т				
		2					2.000			
	Total		itums				2.000 2.000			
					Total Quant	ity in no				
1.013				,	Total Quant	ity in no	2.000			
1.013	Total 100.98.429 Supply of CI Non 100mm.	2					2.000			
1.013	Total 100.98.429 Supply of CI Non	2					2.000			
1.013	Total 100.98.429 Supply of CI Non 100mm.	2					2.000			
1.013	Total 100.98.429 Supply of CI Non 100mm.	2 Return Va					2.000 2.000 .6, Size			
1.013	Total 100.98.429 Supply of CI Non 100mm. NR Valve	2 Return Va		ming to IS 53		984, PN 1	2.000 2.000 .6, Size			
	Total 100.98.429 Supply of CI Non 100mm. NR Valve	2 Return Va		ming to IS 53	312 Part I - 1	984, PN 1	2.000 2.000 .6, Size 3.000 3.000			
	Total 100.98.429 Supply of CI Non 100mm. NR Valve Total	Return Va	alve, Conform	ming to IS 53	312 Part I - 1 Total Quant	984, PN 1	2.000 2.000 .6, Size 3.000 3.000			
	Total 100.98.429 Supply of CI Non 100mm. NR Valve Total 100.98.431 Supply of CI Non	Return Va	alve, Conform	ming to IS 53	312 Part I - 1 Total Quant	984, PN 1	2.000 2.000 .6, Size 3.000 3.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						4.000
				ŗ	Fotal Quant	ity in no	4.000
1.015	100.98.432						
	Supply of CI Non 200mm.	Return Va	alve, Confort	ming to IS 53	312 Part I - 1	984, PN 1	.0, Size
	NR Valve						
		2					2.000
	Total						2.000
				r	Fotal Quant	ity in no	2.000
1.016	100.98.434						
	Supply of CI Non 300mm.	Return Va	alve, Confor	ming to IS 53	312 Part I - 1	984, PN 1	.0, Size
	NR Valve		,	L.P.			
		2					2.000
	Total		4410				2.000
1.017	100.1.1		-cells	The barren	Fotal Quant	ity in no	2.000
	sockets, and dressi getting out the exc exceeding 20cm in watering, etc., and 50m, in all kinds of	avated so depth, in disposing	il, and then r cluding cons	eturning the solidating eac	soil as requir ch deposited	ed, in lay layer by r	ers not amming,
	Earthwork ex	cavation i	n HS			1	
	300mmDI	1	6980.000	1.000	1.250	0.7000 00	6107.500
	200mmDI	1	3300.000	0.800	1.150	0.7000 00	
						0.7000	2125.200
	150mmDI	1	8950.000	0.600	1.100	0.7000 00	2125.200 4134.900
	150mmDI 100mmDI	1	8950.000 3770.000	0.600	1.100		
						0.7000	4134.900
	100mmDI Deduct	1	3770.000		1.100	0.7000	4134.900 1741.740
	100mmDI Deduct dismantling	1	3770.000	0.600	1.100	00 0.7000 00	4134.900 1741.740 -221.200

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Excavating trenches sockets, and dress getting out the exceeding 20cm in watering, etc., and m, in Ordinary Ro	ing of side avated so depth, in disposing	es, ramming oil, and then racluding cons	of bottoms, c eturning the solidating eac	lepth up to 1 soil as required the deposited	5m, inclu ed, in lay layer by r	ding ers not amming,
	Earthwork Exc	cavation in	n Ordinary ro	ock			
	300 mm DI	1	6980.000	1.000	1.250	0.2000 00	1745.000
	200 mm DI	1	3300.000	0.800	1.150	0.2000 00	607.200
	150 mm DI	1	8950.000	0.600	1.100	$0.2000 \\ 00$	1181.400
	100 mm DI	1	3770.000	0.600	1.100	0.2000	497.640
	Total		Л	lw/\			4031.240
			a K	To	otal Quantity	y in cum	4031.240
1.019	100.2.2		40,6			•	
	Excavation work by foundation trenches including dressing out the excavated of 50m, in Mediur Earthwork excavated	es or drain of sides a soil and d n Rock w	as (not exceed and ramming isposal of sur here Blasting	din <mark>g</mark> 1.5m in of bottoms, rplus excava	width or 10r lift up to 1.5 ted soils as d	n2 on plaı m, includi	n), ing getting
						0.0700	-10 =-0
	300 mm DI	1	6980.000	1.000	1.250	00	610.750
	200 mm DI	1	3300.000	0.800	1.150	0.0700 00	212.520
	150 mm DI	1	8950.000	0.600	1.100	0.0700 00	413.490
	100 mm DI	1	3770.000	0.600	1.100	0.0700 00	174.174
	Total						1410.934
				To	otal Quantit	y in cum	1410.934
1.020	100.1.13						
	Excavating trenches sockets, and dress getting out the exceeding 20cm in watering, etc., and 50m, in Hard Rockets	ing of side avated so depth, in disposing	es, ramming oil, and then recluding cons g of surplus e	of bottoms, ceturning the solidating eacexcavated soil	lepth up to 1 soil as required the deposited	5m, inclured, in layelayer by r	ding ers not amming,
	Earthwork exca						
	300 mmDI	1	6980.000	1.000	1.200	0.0300	251.280

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	200 mmDI	1	3300.000	0.800	1.150	0.0300 00	91.080
	150 mmDI	1	8950.000	0.600	1.100	0.0300 00	177.210
	100 mmDI	1	3770.000	0.600	1.100	0.0300 00	74.646
	Total						594.216
				To	tal Quantity	y in cum	594.216
1.021	100.8.1						
	Fencing one side of in vertical casuaring						aution tape
	Fencing						
		1	12000.00				12000.00 0
	Total						12000.00 0
				Tota	al Quantity	in metre	12000.00 0
1.022	Cutting the bitumi	nous / cor	ncrete roads v	vith cutting r	nachine for a	n minimur	n depth of
1.022		sides of predictions of properties of the consumation of the consumati	roposed align s, including th les and charg sion, and as p ut the demolit	ment of the part of the part of the charges for lighting of the direct tion of bitum	pipe to be lain or hire and coung, watching, ion of depart	d without onveyance , ribbon fe mental of	causing of tools encing, ficers etc.
1.022	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tracomplete, before complete.	sides of prer utilities consumab affic diversarrying or and carry	roposed align s, including the les and charg sion, and as p at the demoliting out the ex- e road	ment of the part of the part of the charges for lighting of the direct tion of bitum	pipe to be lain or hire and coung, watching, ion of depart	d without onveyance , ribbon fe mental of	causing of tools encing, ficers etc.
1.022	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tracomplete, before comechanical means Cutting bituminou for crossing	sides of prer utilities consumab affic diversarrying or and carry	roposed align s, including the les and charg sion, and as p at the demolity ring out the ex	ment of the part of the part of the charges for lighting of the direct tion of bitum	pipe to be lain or hire and coung, watching, ion of depart	d without onveyance , ribbon fe mental of	causing of tools encing, ficers etc.
1.022	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tra complete, before c mechanical means Cutting bituminou for crossing for shoulder cutting	sides of preer utilities consumab affic diverse arrying or and carry	roposed align s, including the les and charg sion, and as p at the demoliting out the ex- e road	ment of the part of the part of the charges for lighting of the direct tion of bitum	pipe to be lain or hire and coung, watching, ion of depart	d without onveyance , ribbon fe mental of	causing of tools encing, efficers etc.
1.022	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tracomplete, before complete, before complete in the c	sides of prer utilities consumab ffic divers arrying or and carry s/ concret	roposed align s, including thes and charg sion, and as p at the demolit ring out the ex e road 4.000	ment of the part of the part of the lighting of the direct tion of bitum acavation.	pipe to be lai or hire and co ng, watching, ion of depart inous / conc	d without onveyance , ribbon fe mental of rete road	8.000 4428.000
1.022	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tra complete, before c mechanical means Cutting bituminou for crossing for shoulder cutting	sides of prer utilities consumab ffic divers arrying or and carry s/ concret	roposed align s, including thes and charg sion, and as p at the demolit ring out the ex e road 4.000	ment of the part of the part of the lighting of the direct tion of bitum acavation.	pipe to be lain or hire and coung, watching, ion of depart	d without onveyance , ribbon fe mental of rete road	e causing of tools encing, ficers etc. by 8.000
	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tra complete, before c mechanical means Cutting bituminou for crossing for shoulder cutting	sides of prer utilities consumab ffic divers arrying or and carry s/ concret	roposed align s, including thes and charg sion, and as p at the demolit ring out the ex e road 4.000	ment of the part of the part of the lighting of the direct tion of bitum acavation.	pipe to be lai or hire and co ng, watching, ion of depart inous / conc	d without onveyance , ribbon fe mental of rete road	8.000 4428.000
	Cutting the bitumi 200mm along the any damage to oth and plant, cost of c caution boards, tra complete, before c mechanical means Cutting bituminou for crossing for shoulder cutting Total	sides of prer utilities consumabilities consumabilities arrying or and carry s/ concret 2 1 ally / by resal of uns	roposed align s, including the less and chargesion, and as put the demoliting out the experience of the control	ment of the per charges for lighting the direct tion of bitum excavation. Total	pipe to be lain hire and cong, watching, ion of depart inous / concong all Quantity in grants and Quantity in grants at the congression of the con	in metre	8.000 4428.000 able
	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tracomplete, before comechanical means Cutting bituminou for crossing for shoulder cutting Total 15.43.2 Dismantling manumaterial and dispo	sides of prer utilities consumabilities consumabilities arrying or and carry s/ concret 2 1 ally / by resal of unsurarge:Bitu	roposed aligns, including the less and chargesion, and as put the demoliting out the exercise road 4.000 4420.000 mechanical merviceable marminous road	ment of the part of the charges for lighting the direct tion of bitum excavation. Total eans including aterial within	pipe to be lain hire and congression of departations / concording departation of the partage of	in metre of servicea ead as per	8.000 4428.000 able
	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tra complete, before comechanical means Cutting bituminou for crossing for shoulder cutting Total 15.43.2 Dismantling manu material and dispo of Engineer -in-Ch	sides of prer utilities consumabilities consumabilities arrying or and carry s/ concret 2 1 ally / by resal of unsurarge:Bitu	roposed aligns, including the less and chargesion, and as put the demoliting out the exercise road 4.000 4420.000 mechanical merviceable marminous road	ment of the part of the charges for lighting the direct tion of bitum excavation. Total eans including aterial within	pipe to be lain hire and congression of departations / concording departation of the partage of	in metre of servicea ead as per	8.000 4428.000 able
	Cutting the bitumi 200mm along the any damage to oth and plant, cost of c caution boards, tra complete, before c mechanical means Cutting bituminou for crossing for shoulder cutting Total 15.43.2 Dismantling manu material and dispo of Engineer -in-Ch Dismsntling survio	sides of prer utilities consumabilities consumabilities arrying or and carry s/ concret 2 1 ally / by resal of unsurange:Bitueceable ma	roposed align s, including the less and chargesion, and as put the demoliting out the exercise road 4.000 4420.000 mechanical merviceable marginous road terial and dispenses and terial and dispenses and terial and dispenses and terial and dispenses and the service an	Tota eans includinaterial within	pipe to be lain hire and congression of departations / concording departation of the partage of	in metre of servicea ead as per	8.000 4420.000 4428.000 4428.000
	Cutting the bitumi 200mm along the any damage to oth and plant, cost of a caution boards, tracomplete, before a mechanical means Cutting bituminou for crossing for shoulder cutting Total 15.43.2 Dismantling manu material and dispoof Engineer -in-Chell Dismsntling survice for crossing for scholder	sides of prer utilities consumabilities consumabilities arrying or and carry s/ concret 2 1 ally / by resal of unsurange:Bitureable marge:Bitureable marge:B	roposed align s, including the less and chargesion, and as put the demolitring out the exercise road 4.000 4420.000 mechanical merviceable maminous road terial and dispenses and terial and	Tota Tota	pipe to be lain hire and congression of departations / concording departation of the partage of	in metre of servicea ead as per	8.000 4420.000 4428.000 4428.000 2.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
1.024	50.2.25.1										
	Filling with contra foundations etc. in layer by ramming site Engineer-in-ch	layers no and water	t exceeding	20 cm in dep	th, consolida	ting each	deposited				
	Filling with contr		9;s own eart	h							
		1	600.000				600.000				
	Total						600.000				
		Total Quantity in cun									
1.025	Total Quantity in cum 600.000										
	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 100mm diameter Ductile Iron Class K-9 Pipes.										
	100 mm DI K9 Pij	e laying									
	Morkkad booster 1 to 2	1	1100.000				1100.000				
	Morkkad booster 1 to Koovappally	1	1320.000				1320.000				
	Morkkad booster 2 to Morkkadu top	1	1350.000	₹IL	Ц		1350.000				
	Total OF PUBLIC WORKS										
	Total Quantity in metre										
1.026	100.14.2										
	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 150mm diameter Ductile Iron Class K-9 Pipes.										
	150 mm DI K9 Pi	pe									
	sump to Adoormala	1	3950.000				3950.000				
	sump to Kaipa	1	5000.000				5000.000				
	Total						8950.000				
				Tot	al Quantity	in metre	8950.000				
1.027	100.14.3										
	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 200mm diameter Ductile Iron Class K-9 Pipes.										
	200 mm DI K9 Pi	pe									
	Sump to Morkkadu Booster 1	1	3300.000				3300.000				
	Total						3300.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				Tot	al Quantity	in metre	3300.000
1.028	100.14.5				•	·	
	Conveying and lay to IS: 8329 exclud K-9 Pipes.						
	300 mm DI K9 P	ipe					
	Muttom to Kudayathoor	1	6980.000				6980.000
	Total						6980.000
				Tot	al Quantity	in metre	6980.000
1.029	18.68.1						
	Providing and layi IS: 9523:Upt 600	ng D.I spo mm dia	ecials of clas	s K - 12 suita	able for push	- on joint	ing as per
	Providing and	laying D.	specials	₩1			
	300 mm bend 90	6	0.680				4.080
	300 mm bend 45	12	0.500				6.000
	300 mm bend 22.5	70	0.440	3-10			30.800
	300 mm bend 11.25	140	0.400	< 1	y		56.000
	300 mm MJ Collar	12	0.480	WORKS	ANAGEMENT		5.760
	300 mm Tee	2	0.820				1.640
	300 mmTailpiece	4	0.430				1.720
	200 mm bend 90	6	0.320				1.920
	200 mm bend 45	12	0.260				3.120
	200 mm bend 22.5	30	0.230				6.900
	200 mm bend 11.25	60	0.210				12.600
	200 mm MJ collar	6	0.270				1.620
	200 mm Tailpiece	10	0.230				2.300
	200 mm Tee	5	0.410				2.050
	150 mm bend 90	18	0.200				3.600
	150 mm bend 45	36	0.160				5.760
	150 mm bend 22.5	90	0.150				13.500
	150 mm bend 11.25	180	0.140				25.200

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	150 mm bend MJ collar	18	0.200				3.600				
	150 mm Tailpiece	12	0.160				1.920				
	150 mm Tee	6	0.260				1.560				
	100 mm bend 90	6	0.110				0.660				
	100 mm bend 45	12	0.100				1.200				
	100 mm bend 22.5	40	0.090				3.600				
	100 mm bend 11.25	80	0.090				7.200				
	100 mm MJ collar	8	0.130				1.040				
	100 mm Tailpiece	14	0.100	.00			1.400				
	100 mm Tee	7	0.150				1.050				
	Total	207.800									
			- Sitter	Total	Quantity in	n quintal	207.800				
1.030	18.70.1			3							
	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:100 mm dia pipes										
	Push on joints					т г					
		720					720.000				
	Total						720.000				
				To	tal Quantity	y in joint	720.000				
1.031	18.70.2	18.70.2									
	Providing push - o Pipes including tes pipes Push on joints										
	I ush on joints	1680					1680.000				
	Total	1000			<u> </u>	1	1680.000				
	Total			To	tal Quantity	v in joint	1680.000				
1.032	18.70.3			10	tai Quantit	, m joint	1000.000				
1.032	Providing push - o Pipes including tes pipes										
	Push on joints										
		620					620.000				
	Total						620.000				

	Specification	No	Length	Width	Depth	Cf	Quantity			
				To	tal Quantity	in joint	620.000			
1.033	18.70.5									
	Providing push - o Pipes including tes pipe									
	Push on joints									
		1300					1300.000			
	Total									
				To	tal Quantity	in joint	1300.000			
1.034	18.30.2									
	Providing flanged testing of joints:10			ed C.I./ D.I p	ipes and spec	cials, inclu	ding			
	Flanged joints									
		35	1	18			35.000			
	Total			9 24.1.			35.000			
			100	Mary Co.	Total Quant	ity in no	35.000			
1.035	18.30.4									
	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:150 mm diameter pipe									
	Flanged joints		OF PUBLIC	WORKS	LANAGEMENT	-				
		30					30.000			
	Total						30.000			
					Total Quant	ity in no	30.000			
1.036	18.30.5									
	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:200 mm diameter pipe									
		o min dia	meter pipe							
	Flanged joints		meter pipe							
		25	meter pipe							
	Flanged joints Total		ппетег ргре				25.000 25.000			
			ппетег ргре		Total Quant	ity in no	25.000			
1.037			ппетег ргре		Total Quant	ity in no				
1.037	Total	joints to d	louble flange				25.000 25.000			
1.037	Total 18.30.7 Providing flanged	joints to d	louble flange				25.000 25.000			
1.037	Total 18.30.7 Providing flanged testing of joints:30	joints to d	louble flange				25.000 25.000 ding			
1.037	Total 18.30.7 Providing flanged testing of joints:30	joints to co	louble flange				25.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Labour for cutting 100 mm diameter		with steel sa	w.							
	100 mm diameter	DI. pipe	T.								
		80					80.000				
	Total						80.000				
				Total Q	uantity in E	Cach Cut	80.000				
1.039	OD24816/2022-2023										
	Labour for cutting D.I. pipe with steel saw. 150 mm diameter D.I. pipe										
	150 mm diameter										
		150					150.000				
	Total										
				Total Q	uantity in E	Cach Cut	150.000				
1.040	OD24826/2022-20)23									
	Labour for cutting D.I. pipe with steel saw. 200 mm diameter D.I. pipe										
	200 mm diameter DI. pipe										
		70		< +			70.000				
	Total			MITOR THE I			70.000				
			OF PUBLIC	Total Q	Quantity in E	Cach Cut	70.000				
1.041	OD24836/2022-2023										
	Labour for cutting 300 mm diameter	Labour for cutting D.I. pipe with steel saw. 300 mm diameter D.I. pipe									
	300 mm diameter										
		100					100.000				
	Total						100.000				
				Total Q	<u>Quantity in E</u>	Cach Cut	100.000				
1.042	100.35.1										
	Testing 100mm Di 100 mm dia		ne with pota	ble water to	the required	test pressi	ıre				
	Testing DI and M					Г					
		1	3770+90				3860.000				
	Total						3860.000				
				Tota	al Quantity	in metre	3860.000				
1.043	100.35.2										
	Testing 150mm Di 150 mm dia Observed Data der		•		•	test pressi	ıre				
	Cober tea Data del	1700 110111	1.0111 110.101	O OI I IILD	V.11/1						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		1	8950+35				9300.000
	Total		<u> </u>				9300.000
				Tot	al Quantity	in metre	9300.000
1.044	100.35.3				•		
	Testing 200mm D 200 mm dia Observed Data der	1 1	•		•	test pressi	ıre
	Testing DI+MS						
		1	3300+90				3390.000
	Total						3390.000
				Tot	al Quantity	in metre	3390.000
1.045	100.35.5						
	Testing 300mm D 300 mm dia Observed Data der	1 1	(183)		•	test pressi	ıre.
	Testing		23/16	BONES.			
		1	6980+15 0	≯ Iſ			7130.000
	Total						7130.000
			OF PUBLIC V	WORKS Tot	al Quantity	in metre	7130.000
1.046	100.32.1						
	Conveying and fix nuts, rubber insert required, will be p	ions etc., o	complete, but	excluding t	he cost of air	valve (ta	h bolts, il pieces, if
	Air valve						
		3					3.000
	Total						3.000
					Total Quant	ity in no	3.000
1.047	100.32.2						
	Conveying and fix nuts, rubber insert required, will be p	ions etc., o	complete, but	excluding t	he cost of air	valve (ta	
	Air valve		ı		<u> </u>	Г	
	I .	1.0					18.000
		18					16.000
	Total	18					18.000
	Total	18		,	Total Quant	ity in no	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Conveying and fix nuts, rubber insert required, will be p	ions etc., o	complete, bu	t excluding t	he cost of air	valve (ta	
	Air valve						
		6					6.000
	Total						6.000
				ı	Total Quant	ity in no	6.000
1.049	100.32.4						
	Conveying and fix nuts, rubber insert required, will be p	ions etc., o	complete, bu	t excluding t	he cost of air	valve (ta	
	Air valve	Г		Γ			
		2					2.000
	Total			Bach.			2.000
			- E		Total Quant	ity in no	2.000
1.050	100.31.1.1			X OLD			
	Conveying and fix insertions etc., cor will be paid separa	nplete, bu	t excluding t	he cost of the	providing be valve (tail p	olts, nuts, pieces, if r	rubber equired,
	Sluice valve		e-PLATFOR	M FOR THE M	ANAGEMENT		
		3	OF PUBLIC	WORKS			3.000
	Total						3.000
				'	Total Quant	ity in no	3.000
1.051	100.31.1.2						
	Conveying and fix insertions etc., cor will be paid separa	nplete, bu	t excluding t	he cost of the			
	Sluice valve&am	p; NR Val	ve			Г	
	Sluice valve	4					4.000
	NR valve	3					3.000
	Total						7.000
					Total Quant	ity in no	7.000
1.052	100.31.1.4						
	Conveying and fix insertions etc., cor will be paid separa	nplete, bu	t excluding t	he cost of the	providing be valve (tail p	olts, nuts, pieces, if r	rubber equired,
	Sluice valve&am	p; NR Val	ve	Γ	, ·		
	Sluice valve	2					2.000
	NR valve	4					4.000
	Total						6.000

1.053 100.31.1.5 Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 200mm diameter, Class I. Sluice valve& NR Valve Sluice valve 4 4 4.00 NR valve 2 2.00 Total 00.31.1.7 Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I. NR Valve 2 2.00 Total 2 2.00 Total 2 2.00 Total 2 2.00 Total 3.00 Total Quantity in no 2.00 1.055 100.37.5.1 In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 Total 90.000 Total 90.000 Total 90.000 Total 190.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 20.00	Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 200mm diameter, Class I. Sluice valve& NR Valve Sluice valve					1	Total Quant	ity in no	6.000
insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 200mm diameter, Class I. Sluice valve& NR Valve Sluice valve 4	1.053	100.31.1.5					-	
Sluice valve 4		insertions etc., cor	nplete, bu	t excluding t	he cost of the			
NR valve 2		Sluice valve&am	p; NR Va	lve				
Total 6.00 1.054 100.31.1.7 Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I. NR Valve 2 2.00 Total 2.00 Total 2.00 1.055 100.37.5.1 In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 90.00 Total 90.00 Total 90.00 Total 1 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 20.00 Total 2 20.00 Total 2 20.000		Sluice valve	4					4.000
1.054 1.054 1.055		NR valve	2					2.000
1.054 100.31.1.7 Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I. NR Valve 2 2 2.00 Total 2.00 Total 2.00 1.055 100.37.5.1 In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 Total 90.000 Total 90.000 Total 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates. M.S flange 1 20.000 Total 20.000 20.00 Total 20.000		Total						6.000
Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I. NR Valve 2 2 2.00 Total 2.00 Total 2.00 1.055 100.37.5.1 In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 Total 90.00 Total 90.00 Total 90.00 Total Jamr thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates. M.S flange 1 20.000 Total 20.000 Total 20.000						Total Quant	ity in no	6.000
insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I. NR Valve 2 2 2.00 Total 2.00 Total Quantity in no 2.00 1.055 100.37.5.1 In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 Total 90.00 Total 90.00 Total 90.00 Total 90.00 Total 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates. M.S flange 1 20.000 Total 20.00 Total 20.00	1.054	100.31.1.7						
Total Quantity in no 2.00 1.055		will be paid separa	ately): 300			e valve (tail p	pieces, if r	
1.055 100.37.5.1 In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 Total 90.00 Total Quantity in metre 90.00 1.056 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates. M.S flange 1 20.000 Total 20.00 Total		Total		4.23	ALPO VICTOR			
In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 Total 90.00 Total 90.00 Total 90.00 Total 90.00 Total 90.00 Indicate 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates. M.S flange 1 20.000 Total 20.000 Total 20.000		Total	_		3-16	Total Quant	ity in no	
In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete. M.S pipe 1 90.000 Total 90.00 Total Quantity in metre 90.00 1.056 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates. M.S flange 1 20.000 Total 20.00 Total	1.055	100 37 5 1	M		711	Total Qualit	ity iii iio	2.000
Total 90.000 Total 90.000 Total 90.000 Total Quantity in metre 90.000 1.056 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 Total 20.000		In situ fabrication including cost and of painting the stee	conveyar el work w	nce charges of the two or mo	of M.S. plate, ore coat delu	, all fabrication xe multi surf	on charges	s, charges
Total 90.00 Total Quantity in metre 90.00 1.056 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 Total 20.00		M.S pipe						
Total Quantity in metre 90.00 1.056 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 Total 20.00			1	90.000				90.000
1.056 100.37.5.2 Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 Total 20.00		Total						90.000
Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 20.00 Total					Tot	al Quantity	in metre	90.000
cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S plates. M.S flange 1 20.000 Total 20.00	1.056	100.37.5.2						
1 20.000 20.00 Total 20.000								
Total 20.00		the steel work with over an under-coa	n two or n	nore coat del	uxe multi sui	rface paint to	give an e	ven shade
		the steel work with over an under-coar plates.	n two or n	nore coat del	uxe multi sui	rface paint to	give an e	ven shade
Total Quantity in no 20.00		the steel work with over an under-coar plates.	n two or n t of prime	nore coat del r etc., comple	uxe multi sui	rface paint to	give an e	ven shade
		the steel work with over an under-coar plates. M.S flange	n two or n t of prime	nore coat del r etc., comple	uxe multi sui	rface paint to	give an e	ven shade thick M.S.

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Cutting 100mm (Including cost of gabricated with 8m	gas, all lab	our and hire				
	M.S pipe cutting						
		1	40.000				40.000
	Total						40.000
				1	Total Quant	ity in no	40.000
1.058	100.37.5.4						
	Welding 100mm (welding machine i tools etc., complet	ncluding	cost of gas a	nd welding r	ods, all labou	ır and hire	
	M.S pipe welding						
		1	40.000				40.000
	Total			14D			40.000
			- E		Total Quant	ity in no	40.000
1.059	100.37.5.5		400	WALLEY.			
	including all labou 8mm thick M.S. p M.S pipe Grinding	lates.	charges of t	ools etc., cor	nplete: For p	ipes fabri	40.000
	Total	1	40.000				
	Total				Т-4-1 О4	•4•	40.000
1.060	100.37.6.1				Total Quant	ity in no	40.000
1.000	In situ fabrication including cost and of painting the stee even shade over an M.S pipe	conveyar	ice charges of the two or me	of M.S. plate, ore coat delu	, all fabrication xe multi surf	on charges	s, charges
•							
	Wils pipe	1	350.000				
		1	350.000				350.000
	Total	1	350.000	Tot		in metre	350.000 350.000
1 061	Total	1	350.000	Tot	al Quantity	in metre	350.000
1.061		langes of ce charge	diameter 150 s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur	al Quantity 2mm thick Mation charges rface paint to	I.S. plate is, charges give an e	350.000 350.000 350.000 including of painting ven shade
1.061	Total 100.37.6.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat	langes of ce charge	diameter 150 s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur	al Quantity 2mm thick Mation charges rface paint to	I.S. plate is, charges give an e	350.000 350.000 350.000 including of painting ven shade
1.061	Total 100.37.6.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	langes of ce charge	diameter 150 s of M.S. pla nore coat del	Omm using 1 te, all fabrica uxe multi sur	al Quantity 2mm thick Mation charges rface paint to	I.S. plate is, charges give an e	350.000 350.000 350.000 including of painting ven shade

	Specification	No	Length	Width	Depth	Cf	Quantity
					Total Quant	ity in no	30.000
1.062	100.37.6.3						
	Cutting 150mm (Including cost of g fabricated with 8m	gas, all lab	our and hire				
	M.S pipe cutting						
		1	60.000				60.000
	Total						60.000
					Total Quant	ity in no	60.000
1.063	100.37.6.4						
	Welding 150mm (welding machine i tools etc., complet M.S pipe welding	ncluding of e: For pip	cost of gas a es fabricated	nd welding r	ods, all labou	ır and hire	e charges of
	Total	1	60.000	2 414			60.000 60.000
	1 Otal		440700	Authorities and Authorities an	Total Owent		
1.064	100.37.6.5	_		7	Total Quant	ity in no	60.000
1.001	Grinding cut and y	veld edges	s of 150mm	(LD) M.S. r	ines during f	abrication	work
	Grinding cut and vincluding all labou 8mm thick M.S. p. M.S. pine Grinding	r and hire lates.					
	including all labou	r and hire lates.	charges of t				cated with
	including all labou 8mm thick M.S. p M.S pipe Grinding	ir and hire lates.					60.000
	including all labou 8mm thick M.S. p.	ir and hire lates.	charges of t	ools etc., con	mplete: For p	ipes fabri	60.000 60.000
	including all labou 8mm thick M.S. p. M.S pipe Grinding Total	ir and hire lates.	charges of t	ools etc., con		ipes fabri	60.000
	including all labou 8mm thick M.S. p M.S pipe Grinding	of M.S. piconveyanel work w	60.000 ipes of size 2 ace charges of the two or me	200mm (I.D. of M.S. plate ore coat delu	Total Quant) using 8mm, all fabrications and surface multi surf	ity in no	60.000 60.000 60.000 6. plate s, charges
	including all labou 8mm thick M.S. p. M.S pipe Grinding Total 100.37.7.1 In situ fabrication including cost and of painting the stee	of M.S. piconveyanel work w	60.000 ipes of size 2 ace charges of ith two or month of primer	200mm (I.D. of M.S. plate ore coat delu	Total Quant) using 8mm, all fabrications and surface multi surf	ity in no	60.000 60.000 60.000 6. plate s, charges to give an
	including all labou 8mm thick M.S. p. M.S pipe Grinding Total 100.37.7.1 In situ fabrication including cost and of painting the stee even shade over an	of M.S. piconveyanel work w	60.000 ipes of size 2 ace charges of the two or me	200mm (I.D. of M.S. plate ore coat delu	Total Quant) using 8mm, all fabrications and surface multi surf	ity in no	60.000 60.000 60.000 6. plate s, charges to give an
	including all labou 8mm thick M.S. p. M.S pipe Grinding Total 100.37.7.1 In situ fabrication including cost and of painting the stee even shade over an	of M.S. pi conveyandel work with a under-co	60.000 ipes of size 2 ace charges of ith two or month of primer	200mm (I.D. of M.S. plate ore coat delu	Total Quant) using 8mm, all fabrications and surface multi surf	ity in no	60.000 60.000 60.000 6. plate s, charges to give an
	including all labou 8mm thick M.S. p. M.S pipe Grinding Total 100.37.7.1 In situ fabrication including cost and of painting the stee even shade over an M.S pipe	of M.S. pi conveyandel work with a under-co	60.000 ipes of size 2 ace charges of ith two or month of primer	200mm (I.D.) of M.S. plate ore coat delu etc., comple	Total Quant) using 8mm, all fabrications and surface multi surf	ity in no thick M.Son charges	60.000 60.000 60.000 6. plate s, charges to give an

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	M.S flange						
		1	20.000				20.000
	Total						20.000
				ı	Total Quant	ity in no	20.000
1.067	100.37.7.3						
	Cutting 200mm (Including cost of gabricated with 8m	gas, all lab	our and hire				
	M.S pipe cutting					<u>, </u>	
		1	40.000				40.000
	Total						40.000
				ı	Total Quant	ity in no	40.000
1.068	100.37.7.4						
	Welding 200mm (welding machine i tools etc., complet	ncluding	cost of gas ar	nd welding r	ods, all labou	ır and hire	
	M.S pipe welding			all high			
		1	40.000				40.000
		I	40.000				40.000
	Total		40.000	<u> </u>	_=		40.000
	Total		e-PLATFOR OF PUBLIC	M FOR THE M	Total Quant	ity in no	40.000 40.000 40.000
1.069	Total 100.37.7.5		e-PLATFOR	M FOR THE M	Total Quant	ity in no	40.000
1.069		ır and hire	s of 200mm ((I.D.) M.S. p	ipes during f	abrication	40.000 40.000
1.069	100.37.7.5 Grinding cut and vincluding all labour	r and hire	s of 200mm ((I.D.) M.S. p	ipes during f	abrication	40.000 40.000
1.069	100.37.7.5 Grinding cut and vincluding all labou 8mm thick M.S. p	r and hire	s of 200mm ((I.D.) M.S. p	ipes during f	abrication	40.000 40.000 work cated with
1.069	100.37.7.5 Grinding cut and vincluding all labout 8mm thick M.S. p	ir and hire lates.	s of 200mm (e charges of t	(I.D.) M.S. p	ipes during f	abrication	40.000 40.000 work cated with
1.069	100.37.7.5 Grinding cut and vincluding all labou 8mm thick M.S. p. M.S pipe Grinding	ir and hire lates.	s of 200mm (e charges of t	(I.D.) M.S. pools etc., con	ipes during f	abrication ipes fabri	40.000 40.000 work cated with
	100.37.7.5 Grinding cut and vincluding all labou 8mm thick M.S. p. M.S pipe Grinding	ir and hire lates.	s of 200mm (e charges of t	(I.D.) M.S. pools etc., con	ipes during f nplete: For p	abrication ipes fabri	40.000 40.000 a work cated with 40.000 40.000
	100.37.7.5 Grinding cut and vincluding all labout 8mm thick M.S. p. M.S pipe Grinding	of M.S. proconveyarel work w	s of 200mm (e charges of the state of size 3 are charges of the state	(I.D.) M.S. pools etc., con	ipes during f nplete: For p Total Quant using 8mm all fabrication	abrication ipes fabri ity in no thick M.Son charges	40.000 40.000 40.000 40.000 40.000 40.000
	100.37.7.5 Grinding cut and vincluding all labout 8mm thick M.S. p. M.S pipe Grinding Total 100.37.9.1 In situ fabrication including cost and of painting the stee	of M.S. proconveyarel work w	s of 200mm (e charges of the state of size 3 are charges of the state	(I.D.) M.S. pools etc., con	ipes during f nplete: For p Total Quant using 8mm all fabrication	abrication ipes fabri ity in no thick M.Son charges	40.000 40.000 40.000 40.000 40.000 40.000
	100.37.7.5 Grinding cut and vincluding all labous 8mm thick M.S. p. M.S pipe Grinding Total 100.37.9.1 In situ fabrication including cost and of painting the stee even shade over an	of M.S. proconveyarel work w	s of 200mm (e charges of the state of size 3 are charges of the state	(I.D.) M.S. pools etc., con	ipes during f nplete: For p Total Quant using 8mm all fabrication	abrication ipes fabri ity in no thick M.Son charges	40.000 40.000 40.000 40.000 40.000 40.000
	100.37.7.5 Grinding cut and vincluding all labous 8mm thick M.S. p. M.S pipe Grinding Total 100.37.9.1 In situ fabrication including cost and of painting the stee even shade over an	of M.S. piconveyarel work who under-co	s of 200mm (e charges of the second s	(I.D.) M.S. pools etc., con	ipes during f nplete: For p Total Quant using 8mm all fabrication	abrication ipes fabri ity in no thick M.Son charges	40.000 40.000 40.000 40.000 40.000 c. plate s, charges to give an
	100.37.7.5 Grinding cut and vincluding all labout 8mm thick M.S. p. M.S pipe Grinding Total 100.37.9.1 In situ fabrication including cost and of painting the stee even shade over an M.S pipe	of M.S. piconveyarel work who under-co	s of 200mm (e charges of the second s	(I.D.) M.S. pools etc., considerate of the constant of the con	ipes during f nplete: For p Total Quant using 8mm all fabrication	ity in no thick M.Son charges	40.000 40.000 40.000 40.000 40.000 c. plate s, charges to give an

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Fabricating M.S. f cost and conveyan the steel work with over an under-coard plates.	ce charge 1 two or n	s of M.S. pla nore coat del	ite, all fabrica uxe multi su	ation charges rface paint to	s, charges give an e	of painting even shade
	M.S flanges						
		1	30.000				30.000
	Total						30.000
					Total Quant	ity in no	30.000
1.072	100.37.9.3						
	Cutting 300mm (I. including cost of g fabricated with 8m	as, all lab	our and hire	king bends a charges of to	nd other spec ools etc., com	cials by ganglete: Fo	as cutting r pipes
	M.S pipe cutting					T	
		1	60.000	- A			60.000
	Total		a K	6			60.000
			100		Total Quant	tity in no	60.000
1.073	100.37.9.4			210			
	welding machine i tools etc., complet						e charges of
	M.S pipe welding	1	60,000	e e Control	•		60 000
			60.000	waras			60.000 60.000
	M.S pipe welding Total		60.000				60.000
1.074	Total		60.000		Total Quant		
1.074		1 veld edge ir and hire	s of 300mm	(I.D.) M.S. p	Total Quant	tity in no	60.000 60.000
1.074	Total 100.37.9.5 Grinding cut and vincluding all labour	veld edge ar and hire lates.	s of 300mm	(I.D.) M.S. p	Total Quant	tity in no	60.000 60.000
1.074	Total 100.37.9.5 Grinding cut and vincluding all labou 8mm thick M.S. pl	veld edge ar and hire lates.	s of 300mm	(I.D.) M.S. p	Total Quant	tity in no	60.000 60.000
1.074	Total 100.37.9.5 Grinding cut and vincluding all labou 8mm thick M.S. pl	veld edge ir and hire lates.	s of 300mm e charges of t	(I.D.) M.S. p	Total Quant	tity in no	60.000 60.000 n work cated with
1.074	Total 100.37.9.5 Grinding cut and vincluding all labout 8mm thick M.S. pt. M.S pipe Grinding	veld edge ir and hire lates.	s of 300mm e charges of t	(I.D.) M.S. p ools etc., cor	Total Quant	Tabrication pipes fabri	60.000 60.000 a work cated with
	Total 100.37.9.5 Grinding cut and vincluding all labout 8mm thick M.S. pt. M.S pipe Grinding	veld edge ir and hire lates.	s of 300mm e charges of t	(I.D.) M.S. p ools etc., cor	Total Quant ipes during fullete: For p	Tabrication pipes fabri	60.000 60.000 a work cated with 60.000 60.000
	Total 100.37.9.5 Grinding cut and vincluding all labout 8mm thick M.S. pl M.S pipe Grinding Total	veld edge ar and hire lates. The varion by these or drof sides a soil and d	s of 300mm e charges of to 60.000 mechanical ains (not excand ramming	means (Hydeeding 1.5 m of bottoms,	Total Quant ipes during f mplete: For p Total Quant raulic excava in width or lift up to 1.5	Eabrication oipes fabrication in the fabrication oipes fabrication of the fabrication oipes fabricatio	60.000 n work cated with 60.000 60.000 60.000 aual means in plan), ling getting
	Total 100.37.9.5 Grinding cut and vincluding all labout 8mm thick M.S. pl M.S pipe Grinding Total 2.8.1 Earth work in excain foundation trending dressing out the excavated statement of the second statement of the seco	veld edge ar and hire lates. 1 avation by ches or drawation of sides a soil and dof soil	s of 300mm e charges of to 60.000 mechanical ains (not excand ramming	means (Hydeeding 1.5 m of bottoms,	Total Quant ipes during f mplete: For p Total Quant raulic excava in width or lift up to 1.5	Eabrication oipes fabrication in the fabrication oipes fabrication of the fabrication oipes fabricatio	60.000 n work cated with 60.000 60.000 60.000 aual means in plan), ling getting

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						243.000			
				To	tal Quantit	y in cum	243.000			
1.076	4.1.5									
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)									
	PCC(1:3:6)									
	Valve chamber PCC	50	1.500	1.500	0.100		11.250			
	Anchor block	300	0.600	0.600	0.600		64.800			
	Total						76.050			
				To	tal Quantity	y in cum	76.050			
1.077	5.1.3									
	Providing and layi excluding the cost to plinth level:1:2: nominal size)	of centeri 4 (1 cem	ing, shutterin	g, finishing a	and reinforce	ment - Al	l work up			
	RCC Anchor blo	ck								
		340	1.000	1.000	1.000		340.000			
	Total		- PLATFOR	M FOR THE M	ANAGGMENT		340.000			
			OF PUBLIC	To	tal Quantity	y in cum	340.000			
1.078	Providing and layi excluding the cost to plinth level:1:1: nominal size	of centeri	ing, shutterin	g, finishing a	and reinforce	ment - Al	l work up			
	RCC Valve cha	ımber								
	Floor	50	1.500	1.500	0.200		22.500			
	Side wall	50	5.400	0.150	0.900		36.450			
	Roof	50	1.800	1.800	0.200		32.400			
	Total						91.350			
				To	tal Quantity	y in cum	91.350			
1.079	5.22.4 Steel reinforcement in position and bin									
	Steel Reinforce		ompiete upto	pimui ieveli	riot ionea de	TOTHIEU D	a1 5			
	Steel Remitoree	1	340+91.3			80.000	34508.00			
	Total						34508.00 0			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				Total (Quantity in k	xilogram	34508.00 0
1.080	4.3.1						
	Centering and shufor:Foundations, for				g etc. and ren	noval of f	orm work
	Centering &an	np; shutte	ring				
	Inside	50	4.800		1.200		288.000
	Roof	50	7.200		0.200		72.000
	Anchor block(RCC)	340	4.000		1.000		1360.000
	Anchor block	300	2.400		0.600		432.000
	Total						2152.000
				To	otal Quantit	y in sqm	2152.000
2	Road restoration w	orks(MO	RTH)	w/\			
2.001	3.6			5740			
	including cutting a accordance with rethe embankment lo	equiremen	ts of lines, gr	rades and cro	oss sections,		
	Tar surface	1	8000.000	1.100	0.400		3520.000
	Total						3520.000
				To	otal Quantity	y in cum	3520.000
2.002	4.1.B.2						
	Construction of gr layers with a moto rotavator at OMC, density, complete Mix in Place Meth	r grader o and comp as per cla	n a prepared pacting with	surface, mix a vibratory r	ting by mix is oller to achie	n-place meeter the des	ethod with sired
	Granular sub-ba	se					
	Tar surface	1	8000.000	1.100	0.150		1320.000
	Total						1320.000
				To	otal Quantity	y in cum	1320.000
2.003	4.12						
	Providing, laying, Macadam specific mechanical mix pl layers with paver i with vibratory roll	ation inclu ant carria n sub- bas	uding premix ge of mixed l se / base cour	ing the Mate Material by t se on well p	erial with war sipper to site,	ter at OM laying in	C in uniform
	WMM	,	,				
	Tar surface	1	8000.000	1.100	0.150		1320.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						1320.000
				To	tal Quantit	y in cum	1320.000
2.004	5.1.a						
	Providing and app of granular Base in 0.70 - 1.0 kg/sqm	ncluding o	learing of roa	ad surface ar	ulsion (SS) on the spraying p	on prepare orimer at t	ed surface he rate of
	Prime coat -2 ti	mes.					
	Tar surface	2	8000.000	1.300			20800.00 0
	Total						20800.00 0
				To	otal Quantit	y in sqm	20800.00 0
2.005	5.2.a						
	Providing and app distributor at the ra cleaned with mech	ate of 0.20) - 0.30 kg pe				
	Tack coat						
	For BM	1	6000.000	1.000			6000.000
	For BC	1	6000.000	1.500			9000.000
	Total		OF PUBLIC	WORKS	ANAGEMENT		15000.00 0
				To	otal Quantit	y in sqm	15000.00 0
2.006	5.3.2.a						
	Providing and layi an average output premixed with a b previously prepare alignment and roll For Grading II - (1	of 75 tonr ituminous ed surface ed as per	nes per hour ue binder (VG) with paver fictauses 501.6	using crushed 30), transpor inisher to the	d aggregates ted to the sit required gra	of specifi e, laid ove ade, level,	ed grading er a and
	BM					, ,	
		1	6000.000	1.000	0.030		180.000
	Total						180.000
				To	tal Quantit	y in cum	180.000
2.007	5.6.1.a						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and layi an average output premixed with a be transporting the ho sensor control to the wheeled, vibratory MORTH specification	of 75 tonr ituminous of mix to whe require and tand	nes per hour ues binder (NRM) work site, layed grade, levelem rollers to	using crushed AB) @ 5.2 poing with a hy l, and alignmachieve the control of the c	d aggregates ercent of mix drostatic pavenent, rolling values desired comp	of specifical and fille wer finished with smooth as the control of	ed grading, r, er with oth per
	BC						
		1	6000.000	1.500	0.050		450.000
	Total						450.000
				To	tal Quantity	y in cum	450.000
2.008	OD5369/2022-202	23					
	Taking out existing including removal ground, for which material within 50	of rubbis	h etc., dispos shall be made	al of unservi e separately a	ceable mater and stacking	ial to the of service	dumping
	Interlocking block	S	(41)				
		1	300.000	1.000			300.000
	Total			<i></i>			300.000
				To	tal Quantity	y in sqm	300.000
2.009	OD5371/2022-202	23	OF PUBLIC Y	W FOR THE M WORKS	ANAGEMENT		
	Laying old cement required line, level compacted bed of	l, curvatuı coarse sar	e, colour and ad, filling the	pattern over joints with f	r and including ine sand etc.	ng 50 mm all comp	thick lete as per
	the direction of Endepartment free of	igineer-in- cost.)	-charge. (Old	CC paver bl	OCKS SHAII DO		by the
	the direction of Endepartment free of Interlocking block	cost.)	-charge. (Old	CC paver bl	OCKS SHAII DE	supplied	by the
	department free of	cost.)	300.000	1.000	OCKS SHAII DE	supplied	300.000
	department free of	cost.)			OCKS SHAII DE	supplied	
	department free of Interlocking block	cost.)		1.000	otal Quantity		300.000
3	department free of Interlocking block	cost.) s 1	300.000	1.000			300.000 300.000
	department free of Interlocking block Total	cost.) s 1	300.000	1.000			300.000 300.000
	Interlocking block Total Road restoration c	harges (D	300.000 AR CIVIL) tion cement of All work up	1.000 To	pecified gradel:1:2:4 (cen	y in sqm	300.000 300.000 300.000
	Total Road restoration c 4.1.3 Providing and layi of centering and sl	harges (D	300.000 AR CIVIL) tion cement of All work up	1.000 To	pecified gradel:1:2:4 (cen	y in sqm	300.000 300.000 300.000
	Total Road restoration c 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade	harges (D	300.000 AR CIVIL) tion cement of All work up	1.000 To	pecified gradel:1:2:4 (cen	y in sqm	300.000 300.000 300.000
	Total Road restoration c 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade	harges (D ng in posinuttering -ed stone a	AR CIVIL) tion cement of All work up ggregate 20 r	1.000 To concrete of s to plinth lev nm nominal	pecified grad rel:1:2:4 (cen size)	y in sqm	300.000 300.000 300.000 ng the cost
	Total Road restoration c 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade Cement concrete	harges (D ng in posinuttering -ed stone a	AR CIVIL) tion cement of All work up ggregate 20 r	1.000 To concrete of s to plinth lev mm nominal	pecified grad rel:1:2:4 (cen size)	y in sqm	300.000 300.000 300.000 ang the cost parse sand

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
4.001	OD5391/2022-202	23				2	
	Road restoration c N0.59/2020/PWD		Berm cuttin	g as per 30.0	7.2020G.O()	Ms)	
	Berm cutting						
		1	3000.000	1.000			3000.000
	Total						3000.000
				To	tal Quantit	y in sqm	3000.000
5	Construction of Su	ımp cum p	oump house a	at Blind scho	ol		
5.001	2.33.2						
	Felling trees of the cutting of trunks a material and dispoincluding 120 cm; Felling trees Felling trees	nd branch sal of uns	es, removing	the roots an	d stacking o	f servicea	ble
	Total			2411			2.000
	10001		400466	To	tal Quantity	in each	2.000
					Quairore,	in caci	
5.002	2.6.1		usahaniaal	mana (Hada			
5.002	Earth work in exca over areas (exceed including disposal earth to be levelled	ling 30 cm of excava d and neat	in depth, 1.5 ited earth, lea ly dressed.Al	5 m in width ad up to 50 m ll kinds of so	as well as 10 and lift up t) sqm on 1	olan)
5.002	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work in ex	ling 30 cm of excava d and neat	in depth, 1.5 ited earth, lea ly dressed.Al by mechanic	5 m in width ad up to 50 m al kinds of so al means	as well as 10 and lift up t il) sqm on 1	plan) disposed
5.002	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work in ex- for sump	ling 30 cm of excava d and neat	in depth, 1.5 ited earth, lea ly dressed.Al	5 m in width ad up to 50 m ll kinds of so	as well as 10 and lift up t) sqm on 1	plan) disposed 162.000
5.002	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work in ex	ling 30 cm of excava d and neat xcavation	in depth, 1.5 ited earth, lea ly dressed.Al by mechanic	5 m in width ad up to 50 m Il kinds of so al means 9.000	as well as 10 and lift up t il 1.500	o 1.5 m, c	plan) disposed
	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work in ex- for sump	ling 30 cm of excava d and neat xcavation	in depth, 1.5 ited earth, lea ly dressed.Al by mechanic	5 m in width ad up to 50 m Il kinds of so al means 9.000	as well as 10 and lift up t il	o 1.5 m, c	plan) disposed 162.000
	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work in ex- for sump Total	ling 30 cm of excava d and neat excavation 1	in depth, 1.5 ited earth, lea ly dressed.Al by mechanic 12.000	5 m in width ad up to 50 m ll kinds of so al means 9.000	as well as 10 and lift up to 1.500 tal Quantity	y in cum	162.000 162.000
	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work in ex- for sump	of excavadand neat excavation 1 23 avation by ling 30 cm of excava	in depth, 1.5 ited earth, lea ly dressed.Al by mechanic 12.000 mechanical in depth, 1.5 ited earth, lea	5 m in width ad up to 50 m ll kinds of so al means 9.000 To means (Hydr 5 m in width ad up to 50 m	as well as 10 and lift up to 1.500 tal Quantity aulic excava as well as 10 and lift up to 1.500 tal Quantity	y in cum ator)/manu	162.000 162.000 162.000 1al means plan)
	Earth work in excaptover areas (exceed including disposal earth to be levelled Earth work in extension of the extension of the extension of the exception of th	of excavadand neat excavation 1 23 excavation by ling 30 cm of excavadand neat	in depth, 1.5 tted earth, lea ly dressed.Al by mechanic 12.000 mechanical in depth, 1.5 tted earth, lea ly dressed.Al	5 m in width ad up to 50 m ll kinds of so al means 9.000 To means (Hydr 5 m in width ad up to 50 m ll kinds of so	as well as 10 and lift up to 1.500 tal Quantity aulic excava as well as 10 and lift up to 1.500 tal Quantity	y in cum ator)/manu	162.000 162.000 162.000 1al means plan)
	Earth work in excaptover areas (exceed including disposal earth to be levelled Earth work in extension of the exception of the extension of the exception of the exception of the extension of th	of excavadand neat excavation 1 23 excavation by ling 30 cm of excavadand neat	in depth, 1.5 tted earth, lea ly dressed.Al by mechanic 12.000 mechanical in depth, 1.5 tted earth, lea ly dressed.Al	5 m in width ad up to 50 m ll kinds of so al means 9.000 To means (Hydr 5 m in width ad up to 50 m ll kinds of so	as well as 10 and lift up to 1.500 tal Quantity aulic excava as well as 10 and lift up to 1.500 tal Quantity	y in cum ator)/manu	162.000 162.000 162.000 1al means plan)
	Earth work in excaptover areas (exceed including disposal earth to be levelled Earth work in excaptor areas (exceed including disposal earth work in excaptor areas (exceed including disposal earth to be levelled Earth work in excaptor areas (exceed including disposal earth to be levelled Earth work in excaptor areas (exceed including disposal earth to be levelled Earth work in excaptor areas (exceed including disposal	of excavadand neat excavation 1 23 avation by ling 30 cm of excavadand neat exaction by 1 2 3 3 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	mechanical in depth, 1.5 mechanical in depth, 1.5	5 m in width ld up to 50 m ll kinds of so al means 9.000 To means (Hydr 5 m in width ld up to 50 m ll kinds of so means	as well as 10 and lift up to 1.500 tal Quantity audic excava as well as 10 and lift up to 1.1st depth	y in cum ator)/manu	162.000 162.000 162.000 162.000 all means plan) disposed
	Earth work in excaptover areas (exceed including disposal earth to be levelled Earth work in excaptor sump Total OD25794/2022-20 Earth work in excaptor areas (exceed including disposal earth to be levelled Earth work in excaptor sump	of excavadand neat excavation 1 23 avation by ling 30 cm of excavadand neat exaction by 1 2 3 3 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	mechanical in depth, 1.5 mechanical in depth, 1.5	5 m in width ad up to 50 m in width ad up to 50 m al means 9.000 To means (Hydromath) 5 m in width ad up to 50 m in width ad up to 50 m in width ad up to 50 means 9.000	as well as 10 and lift up to 1.500 tal Quantity audic excava as well as 10 and lift up to 1.1st depth	y in cum ator)/manu b sqm on p	162.000 162.000 162.000 162.000 162.000 162.000
	Earth work in excaptover areas (exceed including disposal earth to be levelled Earth work in excaptor sump Total OD25794/2022-20 Earth work in excaptor areas (exceed including disposal earth to be levelled Earth work in excaptor sump	of excava of excava d and neat excavation 1 223 evation by ling 30 cm of excava d and neat evation by	mechanical in depth, 1.5 mechanical in depth, 1.5	5 m in width ad up to 50 m in width ad up to 50 m al means 9.000 To means (Hydromath) 5 m in width ad up to 50 m in width ad up to 50 m in width ad up to 50 means 9.000	as well as 10 and lift up to 1.500 tal Quantity raulic excava as well as 10 and lift up to 1.500 1.500	y in cum ator)/manu b sqm on p	162.000 162.000 162.000 162.000 162.000 162.000
5.003	Earth work in excaptover areas (exceed including disposal earth to be levelled Earth work in excaptor areas (exceed including disposal earth work in excaptor areas (exceed including disposal earth to be levelled Earth work in excaptor sump Total Total	of excavadand neat excavation by ling 30 cm of excavadand neat excavation by ling 30 cm of excavadand neat exaction line exaction line exaction neat exaction line exaction neat exaction line exaction neat exactio	mechanical in depth, 1.3 mechanical in depth, 1.3 mechanical in depth, 1.4 mechanical 12.000 mechanical 12.000 mechanical 12.000	To means (Hydromeans 9.000 To means (Hydromeans 9.000 To means (Hydromeans 9.000 To means (Hydromeans 9.000	as well as 10 and lift up to 1.500 tal Quantity aulic excava as well as 10 and lift up to 1.500 tal Quantity aulic excava as well as 10 and lift up to 1.500	y in cum to 1.5 m, o y in cum to 1.5 m, o to 1.5 m, o	162.000 162.000 162.000 162.000 162.000 162.000 162.000 162.000 162.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	for sump	1	12.000	9.000	1.000		108.000		
	Total						108.000		
				To	tal Quantity	y in cum	108.000		
5.005	2.8.1								
	Earth work in excavation by mechanical means (Hydraulic excavator) /manual in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plaincluding dressing of sides and ramming of bottoms, lift up to 1.5 m, including out the excavated soil and disposal of surplus excavated soil as directed, within of 50 m.All kinds of soil								
	Earth work in exc	cavation b	y mechanica	l means for f	oundation				
	for toilet	1	6.600	0.600	0.600		2.376		
	for compound wall	1	62.600	0.600	0.600		22.536		
	Total						24.912		
			-6.	To	tal Quantity	y in cum	24.912		
5.006	100.7.1		AHD.	2414					
	Bailing out water verecting, dismantli and other stores pa	ng and ta y of staff	king back of etc., complet	<mark>eng</mark> ine and p					
	Bailing out water	with 5HP	pump set	M EOD THE M	ANAGEMENT				
	for sump earth work	2	5.000	15.000		0.7850 00	117.750		
	Total						117.750		
				Tot	tal Quantity	in Kwh	117.750		
5.007	7.1.1								
	Random rubble ma up with cement co 20 mm nominal siz sand)	ncrete 1:6	5:12 (1 cemen	it: 6 coarse s	and: 12 grad	ded stone	aggregate		
	Random rubble	masonry	with hard sto	ne in founda	tion and plin	th			
	for toilet - foundation	1	6.600	0.600	0.600		2.376		
	for toilet - basemaent	1	6.450	0.450	0.450		1.306		
	for compound wall - foundation	1	62.600	0.600	0.600		22.536		
	Total						26.218		
				To	tal Quantity	y in cum	26.218		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	DOWEL BARS - long (1m in rock a to a depth of 1m in etc complete.	nd <br&< td=""><td>gt;1m in co</td><td>ncrete) inclu</td><td>ding drilling</td><td>holes of</td><td>20mm dia</td></br&<>	gt;1m in co	ncrete) inclu	ding drilling	holes of	20mm dia			
	DOWEL BARS -	Supplyin	g and provid	ing MS dowe	el bars of siz	e 16 mm (dia			
	DOWEL BARS	200					200.000			
	Total						200.000			
	Total Quantity in no									
5.009	4.1.3									
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)									
	Providing and la	aying in p				rade 1:2:4				
	for sump	1	11.300	8.300	0.150		14.069			
	for toilet floor	1	2.000	1.600	0.150		0.480			
	for compound wall	1	62.450	0.600	0.150		5.621			
	Total						20.170			
				To	tal Quantit	y in cum	20.170			
5.010	5.33.1		- DI ATEGO	M COO TUS M	ANAGGAGAG					
	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									
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using ce									
	Providing and						lesign mix			
	Providing and						lesign mix 26.973			
	Providing and M-25 grade cemer for sump- bottom	nt concrete	for reinforc	ed cement co	oncrete work					
	Providing and M-25 grade cemer for sump- bottom slab	t concrete	e for reinforc 11.100	ed cement co	0.300		26.973			
	Providing and M-25 grade cemer for sump- bottom slab for sump- haunch	t concrete	e for reinforc 11.100	8.100 0.300	0.300	, using ce	26.973 3.570			

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 Engin 330 kg/ cum. Exce separately.All wor	oncrete for esign mix, of centerion mmended workabilitieer - in-ch ess or less k above p	or reinforced including puring, shuttering proportions ty without in large. Note:-cement used linth level up	cement concumping of cong, finishing a sper IS: 91 as per inpairing street contains as per design to floor V learners of contains as per design to floor V learners of contains as per design to floor V learners of contains as per design to floor V learners of contains as per design to floor V learners of contains a second contains a se	rete work, us ncrete to site and reinforce .03 to accele ngth and dur tent consider n mix is pays	sing cemer of laying ement, incorate, retar- ability as ed in this able or rec	nt content g but luding d setting of per item is @ coverable
	Providing and laying in position machine batched and machine mixed desi M-25 grade cement concrete for reinforced cement concrete work, using ce for sump- side						
	walls for sump-	12	0.300	0.250	4.000		35.000 4.320
	columns for sump-roof beams	9	3.100	0.300	0.250		2.093
	for sump- roof beams	8	3.300	0.300	0.250		1.980
	for sump- roof slab	1	11.100	8.100	0.200		17.982
	for pump house- column	12	0.300	0.300	4.500		4.860
	for pump house- beams	9	3.100	0.300	0.300		2.511
	for pump house- beams	8	3.300	0.300	0.300		2.376
	gantry beam	2	10.500	0.600	0.450		5.670
	for pump house- roof slab	1	11.100	8.100	0.150		13.487
	for pump house- lintel	2	10.500	0.200	0.150		0.630
	for pump house- lintel	2	7.500	0.200	0.150		0.450
	for toilet- lintel	1	6.200	0.200	0.150		0.186
	for pump house- sunshade	1	39.200	0.600	0.075		1.764
	for toilet- roof slab	1	3.200	2.800	0.100		0.896
	Total						94.205
				To	tal Quantit	y in cum	94.205
5.012	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 us read of M	ed is payable	/ recoverable	e separately.F	Providing	M-30
	Extra Providin design mix M-30 g	ig and lay	ring in position	on machine b	oatched and n	nachine m	nixed
	As per item No10	1	30.543				30.543
	As per item No11	1	94.205				94.205
	Total			•			124.748
				To	otal Quantity	v in cum	124.748
5.013	5.9.1						
	Centering and shut footings, bases of	tering inc	cluding strutt etc for mass	ing, etc. and concrete	removal of f	orm for:F	oundations,
	Centering and shu	uttering in	ncluding stru	tting, etc. and	d removal		
	for sump levelling PCC	1	39.200	0.150			5.880
	for sump floor	1	38.400	0.300			11.520
	for compound wall	2	62.450	0.150			18.735
	Total						36.135
			e-PLATFOR	M FOR THE M	stal Quantit	•	26.125
			OE PUBLIC	WORKS -	otal Quantity	y in sqm	36.135
5.014	5.9.2		OE PUBLIC	WORKS	otai Quantit	y in sqm	36.135
5.014	5.9.2 Centering and shut thickness) including			ing, etc. and	removal of fo	orm for:W	Valls (any
5.014	Centering and shut	g attache	d pilasters, b	ing, etc. and utteresses, pl	removal of folioth and strip	orm for:W	Valls (any
5.014	Centering and shut thickness) including	g attache	d pilasters, b	ing, etc. and utteresses, pl	removal of folioth and strip	orm for:W	Valls (any
5.014	Centering and shut thickness) includin Centering and sh	g attache	d pilasters, b	ing, etc. and utteresses, pl utting, etc. an	removal of folioth and strip	orm for:W	Valls (any s etc.
5.014	Centering and shut thickness) includin Centering and sh Haunch	g attache uttering i	d pilasters, b ncluding stru 34.000	ing, etc. and utteresses, pl utting, etc. an 0.700	removal of folioth and strip	orm for:W	Valls (any s etc.
5.014	Centering and shut thickness) includin Centering and sh Haunch Side walls inner	ng attache uttering i 1	d pilasters, b neluding stru 34.000 34.000	ing, etc. and utteresses, plutting, etc. an 0.700 4.000	removal of folioth and strip	orm for:W	Valls (any s etc. 23.800 136.000
5.014	Centering and shut thickness) includin Centering and sh Haunch Side walls inner Side walls outer	ng attache uttering i 1 1	d pilasters, b ncluding stru 34.000 34.000 36.000	ing, etc. and utteresses, pl tting, etc. an 0.700 4.000 4.000	removal of folioth and strip	orm for:W	Valls (any s etc. 23.800 136.000 144.000
5.014	Centering and shut thickness) includin Centering and sh Haunch Side walls inner Side walls outer columns for sump columns for	ng attache uttering i 1 1 2	d pilasters, b neluding stru 34.000 34.000 36.000 1.200	ing, etc. and utteresses, plutting, etc. an 0.700 4.000 4.000 4.000	removal of folioth and strip	orm for:W	Valls (any setc. 23.800 136.000 144.000 9.600
5.014	Centering and shut thickness) includin Centering and sh Haunch Side walls inner Side walls outer columns for sump columns for pump house	ng attache uttering i 1 1 2	d pilasters, b neluding stru 34.000 34.000 36.000 1.200	ing, etc. and utteresses, plutting, etc. an 0.700 4.000 4.000 4.500	removal of folioth and strip	orm for:W	Valls (any s etc. 23.800 136.000 144.000 9.600 64.800
5.014	Centering and shut thickness) includin Centering and sh Haunch Side walls inner Side walls outer columns for sump columns for pump house Total	ng attache uttering i 1 1 2	d pilasters, b neluding stru 34.000 34.000 36.000 1.200	ing, etc. and utteresses, plutting, etc. an 0.700 4.000 4.000 4.500	removal of fointh and strind removal	orm for:W	Valls (any setc. 23.800 136.000 144.000 9.600 64.800 378.200
	Centering and shut thickness) includin Centering and sh Haunch Side walls inner Side walls outer columns for sump columns for pump house Total	uttering i 1 1 2 12 ttering income	d pilasters, b ncluding stru 34.000 34.000 36.000 1.200 1.200	ing, etc. and utteresses, plutting, etc. an 0.700 4.000 4.000 4.500 To	removal of fointh and strind removal otal Quantity removal of for	orm for:W	Valls (any setc. 23.800 136.000 144.000 9.600 64.800 378.200
	Centering and shut thickness) includin Centering and sh Haunch Side walls inner Side walls outer columns for sump columns for pump house Total 5.9.5 Centering and shut	uttering i 1 1 2 12 ttering inons, girder	d pilasters, b ncluding stru	ing, etc. and utteresses, plutting, etc. an 0.700 4.000 4.000 4.500 To	removal of fointh and strind removal otal Quantity removal of forms	orm for:W	Valls (any setc.) 23.800 136.000 144.000 9.600 64.800 378.200 378.200
	Centering and shut thickness) includin Centering and sh Haunch Side walls inner Side walls outer columns for sump columns for pump house Total 5.9.5 Centering and shut beams, plinth beam	uttering i 1 1 2 12 ttering inons, girder	d pilasters, b ncluding stru	ing, etc. and utteresses, plutting, etc. an 0.700 4.000 4.000 4.500 To	removal of fointh and strind removal otal Quantity removal of forms	orm for:W	Valls (any setc. 23.800 136.000 144.000 9.600 64.800 378.200

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Roof beams of pump house	12	3.100	0.3*2			22.320	
	Roof beams of pump house	8	3.300	0.3*2			15.840	
	Gantry beam of pump house	1	10.500	1.500			15.750	
	lintel of pump house	2	10.500	2*0.150			6.300	
	lintel of pump house	2	7.500	2*0.150			4.500	
	lintel of toilet	2	6.200	0.150			1.860	
	Total						69.285	
	Total Quantity in sqm							
5.016	5.9.3							
	Centering and shut floors, roofs, landi	ttering inc	luding struttionies and acc	ng, etc. and ess platform	removal of f	orm for:S	uspended	
	Centering and sh	uttering i	ncluding stru	tting, etc. an	d removal			
	roof slab of sump	1	11.100	8.100			89.910	
	roof slab sides of sump	1	38.400	0.200	П		7.680	
	roof slab of pump house	1	11.100	8.100	ANAGEMENT		89.910	
	roof slab sides of pump house	1	38.400	0.150			5.760	
	Sunshade of pump house	1	38.400	0.600			23.040	
	Sunshade sides of pump house	1	40.800	0.100			4.080	
	slab of pump Toilet	1	3.200	2.800			8.960	
	slab sides of pump Toilet	1	8.800	0.100			0.880	
	Total						230.220	
				To	tal Quantit	y in sqm	230.220	
5.017	5.22.6							
	Steel reinforcement for R.C.C work including straightening, cutting, bending in position and binding all complete upto plinth levelThermo - Mechanicall bars of grade Fe-500D or more							
	Steel reinforcer placing in position		C.C. work in	ncluding stra	ightening, cu	ıtting, ben	ding,	
	for sump & pump house	124.74 8				140.00 0000	17464.72	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Total						17464.72				
				Total (Quantity in k	xilogram	17464.72 0				
5.018	50.6.1.2										
	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 complete.										
	Solid block mas	onry usin	g pre cast sol	lid blocks (F	actory made)	of size 4	0x20x20cm				
	For pump house	6	3.100	0.200	4.200		15.624				
	For pump house	4	3.300	0.200	4.200		11.088				
	For toilet	1	6.200	0.200	2.400		2.976				
	For parapet wall	1	36.000	0.200	0.750		5.400				
	For compound wall	1	62.000	0.200	1.500		18.600				
	Deduction - Windows	-8	1.500	0.200	1.400		-3.360				
	Deduction - Door	-1	0.800	0.200	2.100		-0.336				
	Deduction - Ventilator	-9	1.000	0.200	0.600		-1.080				
	Deduction - Rolling Shutter	-1	3.000	0.200	2.500		-1.500				
	Deduction - Lintels	-6	2.930	0.200	0.150		-0.527				
	Deduction - Lintels	-4	3.050	0.200	0.150		-0.366				
	Deduction - Lintels	-1	6.200	0.200	0.150		-0.186				
	Total						46.333				
				To	tal Quantit	y in cum	46.333				
5.019	13.7.1										
	12 mm cement pla cement : 3 fine sar		ned with a flo	eating coat of	neat cement	t of mix:1	:3 (1				
	12 mm cemer	nt plaster	of mix 1:3								
	floor& ceiling of sump	2	10.000	7.000			140.000				
	haunch of sump	1	34.000	0.700			23.800				
	inside wall of sump	1	34.000	3.300			112.200				
	outside wall of sump	1	36.000	4.000			144.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	columns of sump	12	1.200	4.000			57.600
	Cover slab projection	1	37.200	0.500			18.600
	floor of Pump house	1	11.100	8.100			89.910
	Pump house- outside	1	36.000	4.200			151.200
	Pump house-inside	1	34.000	4.200			142.800
	Toilet wall inner	1	2+2+1.6	2.400			13.440
	Toilet wall outer	1	2.2+2.2+ 1.8	2.400			14.880
	columns	12	1.200	4.200			60.480
	beams - Floor of pump house	9	3.100	2*0.2			11.160
	beams- Floor of pump house	8	3.300	2*0.2			10.560
	beams- roof of pump house	9	3.100	2*0.25			13.950
	beams- roof of pump house	8	3.300	2*0.25	_ =		13.200
	gantry beams	2	10.500	1.650	ANAGEMENT		34.650
	Sunshade top bottom &Edge	2	39.200	1.300			101.920
	toilet slab	2	3.200	2.800			17.920
	roof slab T&B	2	11.100	8.100			179.820
	Parapet wall	2	38.400	0.750			57.600
	compound wall	2	62.000	1.600			198.400
	Deductions WINDOWS	-8	1.500	1.400			-16.800
	Deductions - ventilator	-9	1.000	0.600			-5.400
	Deductions - Rolling shutter	-1	3.000	2.500			-7.500
	Deductions -door	-1	0.800	2.100			-1.680
	Total						1576.710
				To	otal Quantity	in sqm	1576.710
5.020	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 water p	proofing t								
	haunch	1	34.000	0.700			23.800			
	sidewall	1	34.000	3.300			112.200 136.000			
<u> </u>	Total		10776	T.	otal Quantit	v in sam	136.000			
5.021	22.23.2	_		7	otai Quantit	y III SQIII	130.000			
	Providing and app- waterproofing trea 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 caps shall be carried our engineerin- charge. The product leakage. For horizon Providing water p	timent to the labs, poding deck et a slurry: 2 slurry: 1 se (internativements increte by stant to 1 able of set all comparts ontal surfaters).	the RCC structums, reserving, prepared 2 parts water) part water) ally side with the as specified more than 906 bar hydrosolf-healing of blete as per specified	ctures like re or, sewage & by mixing in for vertical for horizonta he help of sy in ACI-212- 0% compared attic pressure cracks up to pecification a	the ratio of surfaces and surfaces and surfaces and the fiber 3R-2010 i.e. but with control on negative a width of 0 and the director for 10 years	s of the bannent plant 5: 2 (5 pa 3: 1 (3 pa d applyin brush. The by reducir ol concrete side. The .50mm. To tion of the	sement, , tunnels rts arts g the he material g as per crystalline he work any			
	base slab of sump	1	10.000	7.000			70.000			
	Total			Tr.	otal One-44	v in serve	70.000			
5.022	11.36			<u> </u>	otal Quantit	y in sqm	70.000			
3.022	Providing and fixing (thickness to be spondades except burge Charge, in skirting 1:3 (1 cement : 3 concluding pointing thickness)	ecified by gundy, bo g, risers of coarse san	the manufacttle green, blacksteps and dated	cturer), of ap ack of any sidos, over 12 ng with grey	proved make ze as approve mm thick be cement slurr	e, in all co ed by Eng ed of ceme by @ 3.3 k	lours, ineer -in- ent mortar g per sqm,			

	Specification	No	Length	Width	Depth	Cf	Quantity		
	Providing and fixi	ng cerami	c glazed wal	l tiles.	_				
	for toilet	1	7.200		2.400		17.280		
	deduction- door	-1	0.900		2.100		-1.890		
	deduction- ventilator	-1	1.000		0.600		-0.600		
	Total						14.790		
				T	otal Quantity	y in sqm	14.790		
5.023	11.37								
	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to specified by the manufacturer), of 1st quality conforming to IS: 15622, of approve make, in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thic cement mortar 1:4 (1 Cement: 4 Coarse sand), including pointing the joints with vecement and matching pigment etc., complete. Providing and laying Ceramic glazed floor tiles								
	for toilet	1	2.000	1.600			3.200		
	Total		AJK O	DAIL)			3.200		
			4940	T	otal Quantity	v in sam	3.200		
5.024	17.2.1			210		, <u>.</u>			
	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked white solid plastic seat and li								
	and floors whereve	d fixtures er required	complete, ind d:W.C. pan w	cluding cutti vith ISI mark	ing and making	ng good t	S: 7231, he walls		
	with all fittings an and floors wherever Providing and fixit Providing and fixing water closet (European type)	d fixtures er required	complete, ind d:W.C. pan w	cluding cutti vith ISI mark	ing and making	ng good t	S: 7231, he walls		
	Providing and fixit Providing and fixing water closet (European	d fixtures er required ng water o	complete, ind d:W.C. pan w	cluding cutti vith ISI mark	ing and making	ng good t	S: 7231, he walls seat and lid		
	and floors wherever Providing and fixing Providing and fixing water closet (European type)	d fixtures er required ng water o	complete, ind d:W.C. pan w	cluding cuttivith ISI mark	ing and making	ng good ti	S: 7231, he walls seat and lid		
5.025	and floors wherever Providing and fixing Providing and fixing water closet (European type)	d fixtures er required ng water of 1 ng wash b ste of stan g good the	complete, ind:W.C. pan welloset (Europeasin with C.I. dard pattern, e walls where	cluding cuttivith ISI marken type) To the brackets, 1 including power require:	otal Quantity 5 mm C.P. be ainting of fitt White Vitreo	ng good tid plastic vin each rass pillarings and i	S: 7231, he walls seat and lid 1.000 1.000 1.000 taps, 32 brackets,		
5.025	and floors wherever Providing and fixing water closet (European type) Total 17.7.1 Providing and fixing water closet (European type) Total	ng wash beste of standing good the with a pair	complete, ind:W.C. pan welloset (Europeasin with C.I. dard pattern, e walls where r of 15 mm (To the control of the	otal Quantity 5 mm C.P. be ainting of fitt White Vitreo	ng good tid plastic vin each rass pillarings and i	S: 7231, he walls seat and lid 1.000 1.000 1.000 taps, 32 brackets,		
5.025	and floors wherever Providing and fixing water closet (European type) Total 17.7.1 Providing and fixing mm C.P. brass was cutting and making size 630x450 mm	ng wash beste of standing good the with a pair	complete, ind:W.C. pan welloset (Europeasin with C.I. dard pattern, e walls where r of 15 mm (To the control of the	otal Quantity 5 mm C.P. be ainting of fitt White Vitreo	ng good tid plastic vin each rass pillarings and i	S: 7231, he walls seat and lid 1.000 1.000 1.000 taps, 32 brackets, Wash basin		
5.025	and floors wherever Providing and fixing water closet (European type) Total 17.7.1 Providing and fixing mm C.P. brass was cutting and making size 630x450 mm Providing and fixing Providing and fixing Wash basin with C.I.	ng wash beste of stang good the with a paing Wash l	complete, ind:W.C. pan welloset (Europeasin with C.I. dard pattern, e walls where r of 15 mm (To the control of the	otal Quantity 5 mm C.P. be ainting of fitt White Vitreo	ng good tid plastic vin each rass pillarings and i	S: 7231, he walls seat and lid 1.000 1.000 1.000 taps, 32 brackets,		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
5.026	17.32.2						
	Providing and fixing shape and size with thick hard board bard.	h plastic r	noulded fran	ne of approve	ed make and	y) and of r shade wit	required h 6 mm
	Providing and fixing	ng mirror	of superior g	glass rectangi	ular shape, 4:	53X357 m	nm size
	Providing and fixing mirror	1					1.000
	Total						1.000
				To	tal Quantity	y in each	1.000
5.027	13.43.1					•	
	Applying one coat manufacture on wa					brand and	
	Applying one	e coat of v	water thinnab	ole cement pr	imer		
	Sump Cover slab projection	1	37.200	0.500			18.600
	pump house inside	1	34.000	4.200			142.800
	pump house out side	1	36.000	4.200			151.200
	Toilet wall outside	1	2.2+2.2+ 1.8	4.200	ANAGEMENT		26.040
	Toilet wall inside	1	2+2+1.6	4.200			23.520
	beams	9	2.930	2*0.2			10.548
	beams	8	3.050	2*0.2			9.760
	gantry beam	2	10.500	1.650			34.650
	Column	2	1.200	4.500			10.800
	sunshade	2	39.200	1.300			101.920
	toilet roof slab	2	3.200	2.800			17.920
	roof slab of PH	2	11.100	8.100			179.820
	Parapet wall	2	38.400	0.750			57.600
	compound wall	2	62.000	1.600			198.400
	Deductions - door	-1	0.800	2.100			-1.680
	Deductions - windows	-8	1.500	1.400			-16.800
	Deductions - Ventilators	-9	1.000	0.600			-5.400
	Deductions - rolling shutter	-1	3.000	2.500			-7.500
	Total						952.198
				To	otal Quantit	y in sqm	952.198
5.028	13.60.1						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Wall painting with an even shade:Two	acrylic en	mulsion pain coats on nev	t of approve wwork	d brand and ı	manufactu	re to give	
	Wall painting	with acry	lic emulsion	paint.		· · · · · · · · · · · · · · · · · · ·		
	Quantity same as Item No.24	1	966.783				966.783	
	Total						966.783	
				To	otal Quantit	y in sqm	966.783	
5.029	13.71							
	Lettering with black Japan pint of approved brand and manufacture							
	Lettering					· · · · · · · · · · · · · · · · · · ·		
	Lettering	100				15.000 000	1500.000	
	Total						1500.000	
			Total Quai	ntity in per l	Letter per ci	m height	1500.000	
5.030	50.9.1.1		a ski					
	of required dia & l using good quality Providing wood w	Anjili wo	ood /jack wo	<u>bc</u>			parately),	
	door	1	E-PLATFOR	0.100	0.075	1015	0.046	
	windows	8	9.000	0.100	0.075		0.540	
	ventilators	9	4.200	0.100	0.075		0.284	
	Total	<u>'</u>					0.870	
				To	otal Quantity	y in cum	0.870	
5.031	50.9.5.1							
	Providing and fixing 4 mm thick float grainished of require thick shutters.	lass panes	s including IS	SI marked M	.S pressed bu	itt hinges	bright	
	Providing and fixi	ng glazed	shutters for	doors, windo	ows & v	entilators		
	door	1	0.800	2.100			1.680	
	windows	8	1.500	1.400			16.800	
	ventilators	9	1.000	0.600			5.400	
	Total						23.880	
				To	otal Quantit	y in sqm	23.880	
5.032	13.48.2							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Finishing with Del primer as per man Surface Paint of re under coat of prim	ıfacturers quired sh	specification ade. Two or	ns:Painting w more coat ap	vood work w plied @ 0.90	rith Delux 10 ltr/10 sq	e Multi m over an	
	Painting wood w	ork						
	Door	1	0.800	2.100		2.2500 00	3.780	
	windows - fully glazed	8	1.500	1.400		1.0000	16.800	
	ventilators - fully glazed	9	1.000	0.600		1.0000	5.400	
	Total						25.980	
				To	otal Quantit	y in sqm	25.980	
5.033	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 welded position.	l in built i	up framed wo	ork including	g cutting hois	stiing fixir	ng in	
	for 2Nos. ladder and gate	250	OF PUBLIC	WORKS			250.000	
	Total						250.000	
				,	Total Quant	ity in kg	250.000	
5.034	10.6.2							
	Supplying and fixilaths, interlocked tend locks, mounterarrangements for including the cost manufactured from part 1 and M.S. to laths with 1.20 mm	ogether the don specion of providing the high ten op cover of the cove	arough their of the countries outside locking and fixing sile steel wire of required the countries of the co	entire length d pipe shaft v ing with pusl g necessary 2 e of adequate	and jointed twith brackets hand pull op 27.5 cm long estrength co	together at s, side guid peration co wire sprin nforming	t the end by des and omplete, ngs to IS: 4454	
	Supplying and fixi	ng rolling	shutter					
	rolling shutter	1	3.000	2.500			7.500	
	Total						7.500	
				To	otal Quantit	y in sqm	7.500	
5.035	13.48.3							
	Finishing with Del primer as per man Surface Paint to gi an under coat of pr	ufacturers ve an eve	specification shade. Two	ns:Þainting S o or more coa	teel work wi at applied @	ith Deluxe 0.90 ltr/1	Multi 0 sqm over	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Painting steel wor	k										
	for rolling shutter	1	3.000	2.500		2.4000	18.000					
	Total						18.000					
				To	otal Quantit	y in sqm	18.000					
5.036	18.26.1											
	Providing and laying flanged C.I. Standard specials such as tees, bends, collars, tapers caps etc., suitable for flanged jointing as per IS: 1538: Upto 300 mm dia											
	Providing and laying C.I. standard specials											
	300 mm wall casting pipes for inlet, overflow, scour etc.	3				0.7500 00	2.250					
	Total						2.250					
				Total	Quantity in	n quintal	2.250					
5.037	100.41.34		43	9441								
	Supplying and fixi (low duty) charges						h frame					
	Supplying and fixi	ng Rectar	ngular C.I. <mark>m</mark>	anhole cover		Г						
	C.I. manhole cover	2	e-PLATFOR OF PUBLIC	M FOR THE M	ANAGEMENT		2.000					
	Total						2.000					
				ŗ	Fotal Quant	ity in no	2.000					
5.038	OD8441/2022-202	3										
	Supplying and providing water level indicator to the tank using scale fabricated out of 2mm thick MS plate with in the frame work of suitable size MS square tube, 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure, lettering etc complete including all charges for material and labour											
	Supplying and Pro	viding lev	vel indicator	to the tank								
	Supplying and Providing level indicator to the tank	1					1.000					
	Total						1.000					
				,	Fotal Quant	ity in no	1.000					
5.039	100.36.1											
	Filling water with of 5 km (average) height not less that and other applience	to the reson 3 m usir	ervoir site an ng 5 HP diese	d pumping the el engine pur	ne water into	the reserv	oir of					
	Filling water for t	esting										

	Specification	No	Length	Width	Depth	Cf	Quantity						
	Filling water for testing	250					250.000						
	Total						250.000						
				Total (Quantity in 1	Kilo litre	250.000						
5.040	OD26470/2022-20)23				-							
	Water supply and	sanitary a	rrangements										
	Water supply and sanitary arrangements												
	Water supply and sanitary arrangements	1					1.000						
	Total												
				T	otal Quanti	ty in L.S	1.000						
6	Construction of 0.	80 LL sun	np and pump	house at Mo	orkadu								
6.001	2.33.2		A	io*\									
	Felling trees of the cutting of trunks a material and dispoincluding 120 cm	nd branch sal of uns	es, removing	the roots a	nd stacking o	f servicea	ble						
	Cutting trees	- NO											
	Cutting trees	5	e-PLATFOR	M FOR THE M	ANAGEMENT		5.000						
	Total		OF PUBLIC	WORKS			5.000						
				To	tal Quantity	v in each	5.000						
				2.6.1									
6.002	2.6.1												
6.002	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled)	ing 30 cm of excava	n in depth, 1. nted earth, lea	means (Hyd 5 m in width ad up to 50 n	as well as 10 and lift up	ntor)/manu) sqm on j	ıal means plan)						
6.002	Earth work in exca over areas (exceed including disposal	ing 30 cm of excava l and neat	n in depth, 1. nted earth, lea ly dressed.A	means (Hyd 5 m in width ad up to 50 n ll kinds of so	as well as 10 and lift up	ntor)/manu) sqm on j	ıal means plan)						
6.002	Earth work in exca over areas (exceed including disposal earth to be levelled	ing 30 cm of excava l and neat	n in depth, 1. nted earth, lea ly dressed.A	means (Hyd 5 m in width ad up to 50 n ll kinds of so	as well as 10 n and lift up pil	ntor)/manu) sqm on j	ıal means plan)						
6.002	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work Exc	ing 30 cm of excava l and neat	n in depth, 1. nted earth, lea ly dressed.A or levelling th	means (Hyd 5 m in width ad up to 50 n ll kinds of so le site	as well as 10 n and lift up pil	ntor)/manu) sqm on j	ual means plan) disposed						
6.002	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work Exc for levelling	ing 30 cm of excava l and neat	n in depth, 1. nted earth, lea ly dressed.A or levelling th	means (Hyd 5 m in width ad up to 50 n Il kinds of so te site 8.500	as well as 10 n and lift up pil	ntor)/manu) sqm on j to 1.5 m, o	ual means plan) disposed						
6.002	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work Exc for levelling	ing 30 cm of excava l and neat	n in depth, 1. nted earth, lea ly dressed.A or levelling th	means (Hyd 5 m in width ad up to 50 n Il kinds of so te site 8.500	as well as 10 n and lift up bil 1.000	ntor)/manu) sqm on j to 1.5 m, o	nal means plan) disposed 72.250						
	Earth work in exca over areas (exceed including disposal earth to be levelled Earth work Exc for levelling	ing 30 cm of excaval and neat avation fo	n in depth, 1. Inted earth, lea Ity dressed.A It levelling th 8.500 It mechanical In in depth, 1. Ited earth, lea	means (Hyd 5 m in width ad up to 50 n ll kinds of so se site 8.500 To means (Hyd 5 m in width ad up to 50 n	as well as 10 and lift up bil 1.000 otal Quantit raulic excava as well as 10 and lift up bil	y in cum	72.250 72.250 nual means plan)						
	Earth work in excaptover areas (exceed including disposal earth to be levelled Earth work Excording Total 2.7.2 Earth work in excaptover areas (exceed including disposal	ing 30 cm of excaval and neat avation fo	n in depth, 1. Inted earth, lea Ity dressed.A It levelling th 8.500 It mechanical In in depth, 1. Ited earth, lea	means (Hyd 5 m in width ad up to 50 n ll kinds of so se site 8.500 To means (Hyd 5 m in width ad up to 50 n	as well as 10 and lift up bil 1.000 otal Quantit raulic excava as well as 10 and lift up bil	y in cum	72.250 72.250 nual means plan)						
	Earth work in excaptover areas (exceeds including disposal earth to be levelled. Earth work Excompleted Earth work Excompleted Earth work in excaptover areas (exceeds including disposal earth to be levelled.)	ing 30 cm of excaval and neat avation fo	n in depth, 1. Inted earth, lea Ity dressed.A It levelling th 8.500 It mechanical In in depth, 1. Ited earth, lea	means (Hyd 5 m in width ad up to 50 n ll kinds of so se site 8.500 To means (Hyd 5 m in width ad up to 50 n	as well as 10 and lift up oil 1.000 Otal Quantit raulic excava as well as 10 and lift up quiring blasti	y in cum	72.250 72.250 nual means plan)						
	Earth work in excaptover areas (exceeds including disposal earth to be levelled. Earth work Excompleted Earth work Excompleted Earth work in excaptover areas (exceeds including disposal earth to be levelled.)	ing 30 cm of excaval and neat avation for avation by ing 30 cm of excaval and neat	n in depth, 1. Inted earth, lea ly dressed.A r levelling th 8.500 r mechanical in depth, 1. Inted earth, lea ly dressed.H	means (Hyd 5 m in width ad up to 50 n ll kinds of so ae site 8.500 To means (Hyd 5 m in width ad up to 50 n ard rock (rec	as well as 10 and lift up oil 1.000 Otal Quantit raulic excava as well as 10 and lift up quiring blasti	y in cum	72.250 72.250 72.250 nual means plan) disposed						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
6.004	2.8.1			N.							
	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil										
	Earth work in excavation by mechanical means										
	compound wall	1	30.000	0.600	0.600		10.800				
	Retaining wall	1	10.000	0.600	0.600		3.600				
	Total			•			14.400				
				To	tal Quantit	y in cum	14.400				
6.005	7.1.1										
	Random rubble ma up with cement co 20 mm nominal siz sand)	ncrete 1:6	5:12 (1 cemer	nt: 6 coarse s	sand : 12 gra	ded stone	aggregate				
	RR masonry		40.000	0.100	0. 100		1 1 100				
	compound wall	1	40.000	0.600	0.600		14.400				
	Total	0		7 11			14.400				
	for foundation	of sump a	nd pump hou	ıse	ANAGEMENT						
	Pump house foundation long side	1	7.550	0.600	0.600		2.718				
	Pump house foundation for short side	2	3.850	0.600	0.600		2.772				
	Pump house basement	1	7.550	0.450	0.450		1.529				
	Pump house basement	2	3.850	0.450	0.450		1.559				
	Total						8.578				
				To	tal Quantit	y in cum	22.978				
6.006	4.1.3										
	Providing and laying in position cement concrete of specified grade excluding the confidence of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse san (zone-III) : 4 graded stone aggregate 20 mm nominal size)										
	PCC 1:2:4 Fou	ndation C	Concrete								
	Sump levelling concrete	1	8.100	5.100	0.150		6.197				
	Pump house levelling concrete	1	15.200	0.800	0.150		1.824				
	Compound wall	1	30.000	0.450	0.150		2.025				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Retaining wall	1	10.000	0.600	0.150		0.900			
	Total						10.946			
				To	otal Quantity	y in cum	10.946			
6.007	OD8402/2022-202	23								
	DOWEL BARS - Supplying and providing MS dowel bars of size 16 mm di long (1m in rock and 1m in concrete) including drilling holes of 2 to a depth of 1m in rock and filling the gap with cement grout(0.10 etc complete.									
	Dowel bars									
		100					100.000			
	Total						100.000			
				,	Total Quant	ity in no	100.000			
6.008	5.33.1									
	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 upto plinth level									
	Design mix N	1 -25								
	Sump-Bottom slab	1	8.100	5.000	0.300		12.150			
	Retaining wall	1	10.000	0.600	0.200		1.200			
	Total						13.350			
				To	otal Quantity	y in cum	13.350			
6.009	5.33.2									
	Providing and laying in position machine batched and machine mixed design mix M 25 grade cement concrete for reinforced cement concrete work, using cement conten 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									
	For side wall of GLSR									
	Sump-Long wall	2	7.500	0.250	3.450		12.938			
	Sump - Short wall	2	4.000	0.250	3.450		6.900			
	wall haunch	2	4.000	0.300	0.500	0.5000 00	0.600			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	wall haunch	2	7.000	0.300	0.500	0.5000 00	1.050			
	Column	1	0.300	0.300	3.450		0.311			
	Roof beam - long side	6	3.325	0.300	0.300		1.796			
	Roof beam- short side	6	1.825	0.300	0.300		0.986			
	Sump Roof Slab	1	8.100	4.800	0.150		5.832			
	Pump house Column	3	0.300	0.300	4.500		1.215			
	Pump house beam	3	3.600	0.300	0.300		0.972			
	Pump house Beam long	2	3.325	0.300	0.300		0.599			
	Pump house Roof Slab	1	8.100	3.800	0.150		4.617			
	Pump house Lintel short side	2	3.600	0.200	0.200		0.288			
	Pump house lintel long side	2	3.400	0.200	0.200		0.272			
	Retaining wall	1	10.000	(0.25+0.1 5)/2	1.500		3.000			
	Sun shade	1	7.6+4.1+ 4.1	0.600	0.075		0.711			
	Total						42.087			
	Total Quantity in cum									
6.010	5.34.1 Extra for providing specified cement congrade concrete inst in M-30 is @ 340 l	ontent use ead of M	ed is payable	/ recoverable	separately.F	Providing	M-30			
	Extra for M-3	0 mix								
	base slab	1	8.100	5.100	0.300		12.393			
	long wall	2	7.500	0.250	3.450		12.938			
	Short wall	2	4.000	0.250	3.450		6.900			
	columns inside	1	0.300	0.300	3.450		0.311			
	haunch	2	4.000	0.150	0.500	1.0000	0.600			
	haunch	2	7.000	0.150	0.500	1.0000 00	1.050			
	Sump roof slab	1	8.100	4.800	0.150	1.0000 00	5.832			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	roof beam	6	3.325	0.300	0.300	1.0000 00	1.796
	Sump roof beam	6	1.825	0.300	0.300	1.0000 00	0.986
	Total						42.806
				To	tal Quantity	y in cum	42.806
6.011	5.9.1						
	Centering and shut footings, bases of o				removal of fo	orm for:F	oundations,
	Centering &a	mp; shutt	ering		Т	г	
	Base slab	1	8.1+8.1+ 5.1+5.1		0.300		7.920
	Retaining wall- Foundation concrete	1	10.500	le?\	0.150		1.575
	Retaining wall- Base slab	1	10.500		0.200		2.100
	Total		230				11.595
				To	tal Quantity	y in sqm	11.595
6.012	5.9.2	X					
	Centering and shut thickness) including	ttering inc ng attache	cluding strutt d pilasters, b	ing, etc. and utteresses, pl	removal of fo	orm for:W	alls (any setc.
	centering and sl	huttering	1			T	
	haunch long side	2	6.400		0.500	1.0000	6.400
	haunch short side	2	3.400		0.500	1.0000 00	3.400
	Retaining wall stem	2	10.250		1.500		30.750
	Sump long wall outside	2	7.500		3.450	1.0000	51.750
	Sump long wall inside	2	7.000		3.450	1.0000	48.300
	Sump short wall outside	2	4.000		3.450	1.0000	27.600
	Sump short wall inside	2	4.000		3.450	1.0000	27.600
	Total						195.800
				To	tal Quantity	y in sqm	195.800
6.013	5.9.3						
	Centering and shut floors, roofs, landi				removal of fo	orm for:S	uspended

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	centering and sh	uttering		ч	-						
	sunshade of pump house short side	2	4.300	0.600			5.160				
	sunshade of pump house long side	1	8.000	0.750			6.000				
	sump roof side	1	2*(7.8+4. 8)		0.300		7.560				
	sump roof	1	7.800	4.800			37.440				
	pump house roof	1	7.800	4.200			32.760				
	pump house roof side	1	2*(7.8+4. 2)		0.150		3.600				
	pump house main entry sunshade	1	4.000	1.000			4.000				
	Total		-01				96.520				
			14-18.S	To	tal Quantit	y in sqm	96.520				
6.014	5.9.5		23/20	2000							
	Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers										
	Centering and shu	ttering in	cluding strutti	ing	NAGEMENT	Г					
	lintel long side	1	7.000	VORKS	2*0.2		2.800				
	lintel short side	2	3.600		2*0.2		2.880				
	sump roof beam long	6	3.325		2*0.3		11.970				
	sump roof beam short	6	1.825		2*0.3		6.570				
	pump house beam long	2	3.325		2*0.3		3.990				
	pump house beam short	3	3.600		2*0.3		6.480				
	Total						34.690				
				Tot	tal Quantit	y in sqm	34.690				
6.015	5.9.6										
	Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts										
	centering and shu	ttering									
	for tank centre colum	1	1.200		3.450	1.0000 00	4.140				
	colum for pump house	3	1.200		4.500	1.0000 00	16.200				
	Total						20.340				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
				To	otal Quantit	y in sqm	20.340				
6.016	5.22.6					·					
	Steel reinforcement in position and bin bars of grade Fe-50	ding all c	omplete upto								
	Steel reinforcement for base slab & amp; and side wall of sump										
		1	13.35+42			140.00	7761.180				
	.087										
	Total Total Quantity in kilogram										
6.017	50.6.1.2			10tai (<u>zuantity in F</u>	anogram	7761.180				
	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				
	side wall of pump	house	438	9 414)							
	wall long side	1	7.500	0.200	4.500		6.750				
	wall short side	2	3.600	0.200	4.500		6.480				
	deduction quantity for rolling shutter	-1	3.000	0.200	2.500		-1.500				
	deduction quantity for windows	-2	1.500	0.200	1.500		-0.900				
	Total						10.830				
				To	otal Quantit	y in cum	10.830				
6.018	13.1.1										
	12 mm cement pla	ster of mi	x:1:4 (1 cem	nent: 4 fine s	sand)						
	Plastering inside	and outsic	de of sump ar	nd pump hou	ise	<u> </u>					
	for floor slab of sump	1	7.000	4.000			28.000				
	out side short wall of sump	2	4.500	3.5+0.15 +0.3			35.550				
	out side long wall of sump	2	7.500	3.5+0.15 +0.3			59.250				
	inside long wall of sump	2	7.000	3.500			49.000				
	inside short wall of sump	2	4.000	3.500			28.000				
	roof slab of sump top and bottom	2	7.600	4.600			69.920				
	beams sump	1	7.000	0.3+0.3			4.200				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	beams sump	1	4.000	0.3+0.3			2.400
	pump house walls inside	2	7+3.6	4.500			95.400
	pump house walls out side	2	7.4+4	4.500			102.600
	PH roof top and bottom	2	8.600	5.600			96.320
	Beams inside PH	1	3.600	0.3+0.3			2.160
	PH walls sun shade (T, B & side)top and bottomoutside	2	3.800	1.300			9.880
	PH walls sun shade (T, B & side)top and bottomoutside	1	7.4+0.6+ 0.6	1.300			11.180
	column	1	3.450	1.200			4.140
	deduction for rolling shutter	-1	3.000	KOTA)	2.500		-7.500
	deduction for windows	-2	1.500	≯ [[1.500		-4.500
	Total		- FUNTER				586.000
			OF PUBLIC \	WORKS TO	otal Quantit	y in sqm	586.000
6.019							
0.019		levina i = 4	and amore - 11'	o alverre - £1	vydno alaiti - 1	a motore C	
0.019	Providing and apply waterproofing treat water tanks, roof stands and bridge integral crystalline integral crystalline same from negative shall meet the requipermeability of condition DIN 1048 and resistant shall be carried out engineerincharge. The product leakage. For vertical	tment to the labs, poding edeck et slurry: 2 slurry: 1 edinternativements increte by stant to 10 able of set all compact performents	he RCC structums, reservice., prepared by parts water) part water) for the part water of the part wate	etures like report, sewage & by mixing in for vertical some help of syn ACI-212-30% compared atic pressure cracks up to pecification and the property guarante	taining walls water treatness the ratio of surfaces and l surfaces and nthetic fiber BR-2010 i.e. bl with contro on negative a width of 0 and the directors for 10 years	s of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applying brush. The by reducing concrete side. The side. The side of	sement, t, tunnels rts arts g the ne material ng e as per crystalline he work
0.019	Providing and apply waterproofing treat water tanks, roof so a subway and bridge integral crystalline integral crystalline same from negative shall meet the requiremental permeability of condition of the permeability of conditions and resistant shall be carried our engineerincharge. The productions and applications of the production o	tment to the labs, poditive deck etcal slurry: 2 slurry: 1 slurry: 1 to (internative ments increte by stant to 10 to ble of setall compact performal surface	he RCC structums, reservice., prepared by parts water) part water) fully side with the as specified if more than 90 bear hydrostalf-healing of collete as per specified as per s	etures like report, sewage & by mixing in for vertical some help of syntament ACI-212-3 compared atic pressure cracks up to be decification and the syntament of the syntament o	taining walls water treatment the ratio of surfaces and I surfaces and I surfaces and thetic fiber BR-2010 i.e. If with controon negative a width of 0 and the direct see for 10 years and the	s of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applying brush. The py reducing l concrete side. The side. The side of the sagainst	sement, t, tunnels rts arts g the he material g as per crystalline he work any
0.019	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 DIN 1048 and resistantly shall be capastall be carried our engineerincharge. The product leakage. For vertical Providing and apply waterproofing treat floor slab	tment to the labs, poditive deck etcal slurry: 2 slurry: 1 slurry: 1 to (internative ments increte by stant to 10 to ble of setall compact performal surface	he RCC structums, reservice., prepared by parts water) part water) fully side with the as specified if more than 90 bear hydrostalf-healing of collete as per specified as per s	etures like report, sewage & by mixing in for vertical some help of syntament ACI-212-3 compared atic pressure cracks up to be decification and the syntament of the syntament o	taining walls water treatment the ratio of surfaces and I surfaces and I surfaces and thetic fiber BR-2010 i.e. If with controon negative a width of 0 and the direct see for 10 years and the	s of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applying brush. The py reducing l concrete side. The side. The side of the sagainst	sement, tunnels rts arts g the ne material ng e as per crystalline he work any for 28.000
0.019	Providing and apply waterproofing treat water tanks, roof stanks, roof	tment to the labs, poditive deck et slurry: 2 slurry: 1 slurry: 1 to (internative ments increte by stant to 10 able of set all compact performal surface olying intertiment	he RCC structums, reservice, prepared by parts water) part water) part water) followed by the part water part part part part part part part par	etures like report, sewage & by mixing in for vertical sort horizontane help of syn ACI-212-30% compared atic pressure cracks up to be etification and the source of larry guarante of larry of	taining walls water treatness the ratio of surfaces and l surfaces and nthetic fiber BR-2010 i.e. but with control on negative a width of 0 and the direct see for 10 years and hydrophilic in the direct see for 10 years and	s of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applyin brush. The py reducind concrete side. The side. The side of the rs against	sement, the tunnels the term atterial the term a
	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 DIN 1048 and resistantly shall be capastall be carried our engineerincharge. The product leakage. For vertical Providing and apply waterproofing treat floor slab	tment to the labs, poditive deck et slurry: 2 slurry: 1 slurry: 1 to (internative ments increte by stant to 10 able of set all compact performal surface olying intertiment	he RCC structums, reservice, prepared by parts water) part water) part water) followed by the part water part part part part part part part par	etures like report, sewage & by mixing in for vertical sort horizontane help of syn ACI-212-30% compared atic pressure cracks up to be etification and the source of larry guarante of larry of	taining walls water treatment the ratio of surfaces and I surfaces and I surfaces and thetic fiber BR-2010 i.e. If with controon negative a width of 0 and the direct see for 10 years and the	s of the banent plant 5: 2 (5 pa 3: 1 (3 pa d applyin brush. The py reducind concrete side. The side. The side of the rs against	sement, tunnels rts arts g the ne material ng e as per crystalline he work any for 28.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and approvater tanks, roof s water tanks, roof s / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremeability of condition of DIN 1048 and resistance shall be carried our engineerincharge. The production of the production	tment to the labs, poding edeck etc. slurry: 2 slurry: 1 edinternativements increte by stant to 1 dable of set all compact performents.	the RCC structums, reservice, prepared by parts water) part water) side with the as specified more than 90 bar hydrost lf-healing of blete as per speakers.	ctures like re or, sewage & by mixing in for vertical a for horizonta he help of sy in ACI-212-30% compared actic pressure cracks up to pecification a	the ratio of surfaces and surfaces and surfaces and the tic 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. The by reducir ol concrete side. The side. The tion of the	sement, , tunnels rts arts g the ne material g as per crystalline he work
	Providing and appl waterproofing trea	lying inte		***		n nature fo	or
	side wall of sump	2	7.000		3.450		48.300
	side wall of sump	2	4.000		3.450		27.600
	Total			3-10			75.900
		×		To	otal Quantit	y in sqm	75.900
6.021	13.43.1		e-PLATFOR	M FOR THE M	IANAGEMENT		
	Applying one coat manufacture on wa					brand and	
	Applying one of	coat of wa	ter thinnable	cement prin	ner		
	out side wall of sump	2	4.600	3.5+0.3+ 0.15			36.340
	out side wall of sump	1	7.500	3.5+0.3+ 0.15			29.625
	outside long wall sump	2	7.000	3.500			49.000
	outside short wall sump	2	4.000	3.500			28.000
	sump roof	1	7.600	4.600			34.960
	PH roof top and bottom	2	8.600	5.600			96.320
	PH wall outside	1	7.5+3.8+ 3.8	4.500			67.950
	PH wall inside	2	7+3.6	4.500			95.400
	PH wall sun shade (T,B &SIDE) Top and bottom outside	2	3.800	1.300			9.880

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	PH wall sun shade (T,B &SIDE) Top and bottom outside	2	7.4+0.6+ 06	1.300			36.400					
	deduction window	-3	1.500		1.500		-6.750					
	deduction rolling shutter	-1	3.000		2.500		-7.500					
	Total						469.625					
				To	otal Quantit	y in sqm	469.625					
6.022	Wall painting with an even shade:Two	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work										
	Wall painting wit	h acrylic	emulsion pai	int								
	out side wall of sump	1	7.5+4.5+ 4.5	4.000			66.000					
	pump house wall outside	1	3.8+7.4+ 3.8	4.500			67.500					
	pump house wall inside	2	7+3.6	4.500			95.400					
	PH roof top and bottom	2	8.600	5.600	ANAGEMENT		96.320					
	pump house roof side	1	8.6+5.6+ 5.6	0.150			2.970					
	Sump roof top	1	7.600	4.500			34.200					
	sump roof edge	1	7.6+4.5+ 4.5	4.500			74.700					
	sump roof edge	1	7.6+4.5+ 4.5	0.300			4.980					
	PH wall sun shade (T,B&SIDE) Top and bottom outside	2	3.800	1.300			9.880					
	PH wall sun shade (T,B&SIDE) Top and bottom outside	2	7.4+0.6+ 0.6	1.300			22.360					
	deduction window	-3	1.500		1.500		-6.750					
	deductionrolling shutter	-1	3.000		2.500		-7.500					
	Total						460.060					
				To	otal Quantit	y in sqm	460.060					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
6.023	50.9.1.1									
	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood									
	wood work for w	indows								
	for windows outer frame	2	1.500	0.100	0.075	1.0000 00	0.023			
	for windows inner post	2	1.500	0.100	0.075	1.0000 00	0.023			
	Total						0.046			
				To	tal Quantity	in cum	0.046			
6.024	50.9.5.1									
	4 mm thick float g finished of require thick shutters.	roviding and fixing glazed shutters for doors, windows and clerestory windows using mm thick float glass panes including ISI marked M.S pressed butt hinges bright nished of required size with necessary screws. Using Anjili wood/ jack wood 35 mm								
	for windows		Silve.	This has						
	for shutters	2	1.500	1.500			4.500			
	Total	N/					4.500			
		_	e-PLATFOR	M FOR THE TO	otal Quantity	y in sqm	4.500			
6.025	10.6.2		0. 10000	***************************************						
	Supplying and fixilaths, interlocked tend locks, mounte arrangements for including the cost manufactured fron part 1 and M.S. telaths with 1.20 mm	ogether the domesting of one special of the domesting of	nrough their of ially designed outside locking and fixing sile steel wire of required the incomplete the incomplete incom	entire length d pipe shaft v ing with pusl g necessary 2 e of adequate	and jointed to with brackets a and pull op 27.5 cm long a strength cor	ogether at , side guideration co wire sprin nforming	t the end by des and omplete, ngs to IS: 4454			
	for front rolling sl	nutter								
	front door of PH	1	3.000		2.500		7.500			
	Total						7.500			
				To	otal Quantity	y in sqm	7.500			
6.026	13.48.2									
	primer as per man Surface Paint of re	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture								
	painting for woo	od work	<u> </u>							
	Window	2	1.500		1.500	1.0000 00	4.500			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				T	otal Quantit	y in sqm	4.500			
6.027	13.48.3									
	Finishing with Del primer as per man Surface Paint to gi an under coat of pr	ufacturers ve an eve	specification shade. Two	ns:Painting S o or more co	Steel work wi at applied @	th Deluxe 0.90 ltr/10	Multi 0 sqm over			
	painting steel wor	painting steel work								
	Rolling shutter	1	3.000		2.500	2.4000 00	18.000			
	Total						18.000			
				T	otal Quantit	y in sqm	18.000			
6.028	10.25.2									
	Item Shifted to hea Steel work welded in position and app etc. as required.In similar works	in built u olying a p	p sections/fr riming coat o	of approved s	steel primer u	sing struc	ctural steel			
	steel work			<u> </u>						
	for compound	M 1	150.000				150.000			
	wall gate		120.000				130.000			
	Total		e-PLATFOR OF PUBLIC	M FOR THE M WORKS	IANAGEMENT		150.000			
	_		e-PLATFOR		Total Quant	ity in kg				
6.029	Total 100.41.34		e-PLATFOR OF PUBLIC	ı			150.000 150.000			
6.029	Total	ng Rectar	ngular C.I. m	anhole cover	r 455mm x 6	10mm wit	150.000 150.000			
6.029	Total 100.41.34 Supplying and fixi	including	ngular C.I. m	anhole cover	r 455mm x 6	10mm wit	150.000 150.000 th frame			
6.029	Total 100.41.34 Supplying and fixit (low duty) charges	including	ngular C.I. m	anhole cover	r 455mm x 6	10mm wit	150.000 150.000 th frame 4.000			
6.029	Total 100.41.34 Supplying and fixit (low duty) charges for roof slab of sur	including	ngular C.I. m	anhole cove	r 455mm x 6 etc., complet	10mm wit	150.000 150.000 th frame 4.000			
	Total 100.41.34 Supplying and fixit (low duty) charges for roof slab of summanhole covr Total	including	ngular C.I. m	anhole cove	r 455mm x 6	10mm wit	150.000 150.000 th frame 4.000 4.000			
6.029	Total 100.41.34 Supplying and fixi (low duty) charges for roof slab of surmanhole covr Total 13.71	s including	ngular C.I. mg all cost, lab	anhole cover our charges	r 455mm x 6 etc., complet	10mm wit e. ity in no	150.000 150.000 th frame 4.000 4.000			
	Total 100.41.34 Supplying and fixit (low duty) charges for roof slab of summanhole covr Total	s including	ngular C.I. mg all cost, lab	anhole cover our charges	r 455mm x 6 etc., complet	10mm wit e. ity in no	150.000 150.000 th frame 4.000 4.000			
	Total 100.41.34 Supplying and fixi (low duty) charges for roof slab of surmanhole covr Total 13.71	s including	ngular C.I. mg all cost, lab	anhole cover our charges	r 455mm x 6 etc., complet	10mm wite. ity in no	150.000 150.000 th frame 4.000 4.000			
	Total 100.41.34 Supplying and fixi (low duty) charges for roof slab of surmanhole covr Total 13.71 Lettering with blace	s including	ngular C.I. mg all cost, lab	anhole cover our charges	r 455mm x 6 etc., complet	10mm wit e. ity in no	150.000 150.000 th frame 4.000 4.000			
	Total 100.41.34 Supplying and fixi (low duty) charges for roof slab of surmanhole covr Total 13.71 Lettering with blace	s including np 4 ck Japan p	ngular C.I. mg all cost, lab	anhole cover our charges	r 455mm x 6 etc., complet	ity in no	150.000 150.000 th frame 4.000 4.000 4.000			
	Total 100.41.34 Supplying and fixi (low duty) charges for roof slab of surmanhole covr Total 13.71 Lettering with black lettering	s including np 4 ck Japan p	ngular C.I. mg all cost, lab	anhole cover bour charges ved brand an	r 455mm x 6 etc., complet	10mm wite. ity in no re 15.000 000	150.000 150.000 th frame 4.000 4.000			
	Total 100.41.34 Supplying and fixi (low duty) charges for roof slab of surmanhole covr Total 13.71 Lettering with black lettering	s including mp 4 ck Japan p	ngular C.I. mg all cost, lab	anhole cover bour charges ved brand an	r 455mm x 6 etc., complet Total Quant d manufactur	10mm wite. ity in no re 15.000 000	150.000 150.000 th frame 4.000 4.000 4.000 1500.000			
6.030	Total 100.41.34 Supplying and fixi (low duty) charges for roof slab of surmanhole covr Total 13.71 Lettering with black lettering	s including np 4 ck Japan p 100	ngular C.I. mg all cost, lab	anhole cover bour charges ved brand an	r 455mm x 6 etc., complet Total Quant d manufactur	10mm wite. ity in no re 15.000 000	150.000 150.000 th frame 4.000 4.000 4.000 1500.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	vent cowl	4					4.000			
	Total						4.000			
				ı	Total Quant	tity in no	4.000			
6.032	OD5551/2022-202	23								
	Supplying and pro 2mm thi 160mm PVC pipe thread for connect lettering
< td=""><td>ck MS plate for guidir ing float a</td><td>ate with in th ng the float,& and level indi</td><td>e frame work alt;br>ned 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 plate for guidir ing float a	ate with in th ng the float,& and level indi	e frame work alt;br>ned cator, painting	k of suitable cessary pullicing the entire	size MS s es, suitable structure,	quare tube, e nylon			
	water level indicator for sump									
	water level indicator for sump	1					1.000			
	Total						1.000			
				W/	Total Quant	tity in no	1.000			
6.033	18.26.1			0 <i>A</i> 11						
	Providing and layi caps etc., suitable						lars, tapers,			
	Providing and layi	ng flange	d C.I. Standa	rd specials		Т				
	200 mm wall casting pipe for inlet overflow scour	3	0.510	M FOR THE M WORKS	ANAGEMENT		1.530			
	150mm wall casting pipe distribution	1	0.360				0.360			
	Total						1.890			
				Tota	l Quantity ii	n quintal	1.890			
6.034	100.36.1									
	Filling water with of 5 km (average) height not less that and other applience	to the resendent	ervoir site an ng 5 HP diese	d pumping the el engine pur	he water into np set , hire :	the reserv	voir of			
	Filling water in re	servoir			T	T				
	filling water	80					80.000			
	Total						80.000			
				Total (Quantity in 1	Kilo litre	80.000			
6.035	100.31.1.4									
	Conveying and fix insertions etc., cor will be paid separa	nplete, bu	t excluding t	he cost of the						
	Conveying and fix	ing C.I. s	luice valves							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	for distribution	1					1.000		
	Total						1.000		
				ı	Total Quant	ity in no	1.000		
6.036	100.31.1.5								
	Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, insertions etc., complete, but excluding the cost of the valve (tail pieces, if r will be paid separately): 200mm diameter, Class I. Conveying and fixing C.I. sluice valves								
	Conveying and fix	ing C.I. s	luice valves						
	for scour valve	1					1.000		
	Total						1.000		
				ı	Total Quant	ity in no	1.000		
6.037	100.98.484								
	Supply of CI Doub Valve with Hand V				ing to IS 148	46 - 2000,	, Sluice		
	Supply of CI Doub	ole Flange	ed Sluice Val	ve					
		1	1970				1.000		
	Total	/					1.000		
		100			Total Quant	ity in no	1.000		
6.038	100.98.485		COLATEGO	M EOO THE M	ANAGENEART				
	Supply of CI Doub Valve with Hand V				ing to IS 148	46 - 2000,	, Sluice		
	Supply of CI Do	uble Flan	ged Sluice V	alve					
		1					1.000		
	Total						1.000		
				ı	Total Quant	ity in no	1.000		
7	Construction of 0	3 LL sum	p and pump l	house at Moi	rkadu booste	r 2			
	2.6.1								
	Earth work in exca over areas (exceed including disposal earth to be levelled	ing 30 cm of excava	n in depth, 1. ated earth, lea	5 m in width ad up to 50 n	as well as 10 and lift up t	o sqm on j	olan)		
	Earth work excava	tion - all	classes of so	il					
	for site levelling	1	10.000	8.000	0.300		24.000		
	Total						24.000		
				Te	otal Quantit	y in cum	24.000		
7.002	2.7.1								
	Earth work in exca over areas (exceed including disposal earth to be levelled	ing 30 cm of excava	n in depth, 1. ated earth, lea	5 m in width ad up to 50 n	as well as 10 and lift up t	on psqm on	plan)		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Earth work excav	vation - or	dinary rock						
	Levelling tank & PH land	1	5.300	7.800	0.300		12.402		
	Total						12.402		
				To	otal Quantit	y in cum	12.402		
7.003									
	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including get out the excavated soil and disposal of surplus excavated soil as directed, within a least of 50 m.All kinds of soil								
	Earth work excava	ation							
	for compound wall	1	36.000	0.600	0.300		6.480		
	Total		A	le/\			6.480		
			a K	To	otal Quantit	y in cum	6.480		
7.004	7.1.1								
	Random rubble mup with cement co 20 mm nominal si sand)	ncrete 1:6	5:12 (1 cemer	nt: 6 coarse	sand : 12 gra	ded stone	aggregate		
	RR masonry for co	ompound	wall	WORKS	Г	T			
	for compound wall	1	36.000	0.600	0.300		6.480		
	Total						6.480		
				To	otal Quantit	y in cum	6.480		
7.005	OD8414/2022-202	23							
	DOWEL BARS - long (1m in rock a to a depth of 1m in etc complete.	ınd <br&< td=""><td>>1m in co</td><td>ncrete) inclu</td><td>ıding drilling</td><td>holes of</td><td>20mm dia</td></br&<>	>1m in co	ncrete) inclu	ıding drilling	holes of	20mm dia		
	Dowel bars	Т							
	Dowel bars	40					40.000		
	Total						40.000		
				,	Total Quant	ity in no	40.000		
7.006	4.1.3								
	Providing and layi of centering and sl (zone-III): 4 grade	huttering -	- All work up	to plinth lev	vel:1:2:4 (cer				
	Providing and layi	ng PCC 1	:2:4						
	for compound wall	1	36.000	0.600	0.100		2.160		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	for Sump	1	5.300	4.300	0.150		3.419
	for Pump house	1	5.300	4.300	0.150		3.41
	Total						8.99
				To	tal Quantity	y in cum	8.998
7.007	5.33.1						
	Providing and layi 25 grade cement of as per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	oncrete for sign mix, of centering mmended workabiliteer - in-ch ss or less	r reinforced of including pung, shuttering proportions ty without imarge. Note:- cement used	cement conc mping of co g, finishing a as per IS: 91 npairing streat Cement cont	rete work, us ncrete to site and reinforce .03 to accele ngth and dura tent consider	ing ceme of laying ment, inc rate, retar ability as ed in this	nt content g but luding d setting o per item is @
	Providing and la	ying Desi	gn mix M-25	5			
	base slab of sump	1	5.100	4.100	0.300		6.27
	base slab of PH	1	3.100	4.100	0.200		2.54
	Haunch of sump	0.5	14.000	0.300	0.500		1.05
	Total			3-10			9.86
				To	tal Quantity	y in cum	9.86
	25 grade cement co as per approved de	sign mix,	including pung, shuttering	mping of co g, finishing a	ncrete to site and reinforce	of laying ment, inc	
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce	mmended workabili eer - in-ch ss or less	ty without in arge. Note:- cement used	npairing streat Cement cont as per desig	ngth and dura tent consider n mix is paya	ability as ed in this	luding d setting o per item is @
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	mmended workabili eer - in-ch ss or less k above p	ty without in arge. Note:- cement used linth level up	npairing strent Cement cont as per design to floor V le	ngth and dura tent consider n mix is paya	ability as ed in this	luding d setting o per item is @
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing and la	mmended workabili eer - in-ch ss or less k above p	ty without im arge. Note:- cement used linth level up gn mix M-25	npairing stren Cement cont as per design to floor V le	ngth and dur- tent consider n mix is paya evel	ability as ed in this	luding d setting o per item is @ coverable
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	mmended workabili eer - in-ch ss or less k above p	ty without in arge. Note:- cement used linth level up	npairing strent Cement cont as per design to floor V le	ngth and dura tent consider n mix is paya	ability as ed in this	luding d setting of per item is @ coverable
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing and la side wall of sump roof beam of	mmended workabili eer - in-ch ss or less k above p ying desi	ty without im arge. Note:- cement used linth level up gn mix M-25	npairing stren Cement cont as per design to floor V le	ngth and dur- tent consider n mix is paya evel 3.5-0.3	ability as ed in this	luding d setting of per item is @ coverable 12.00
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing and la side wall of sump roof beam of sump roof beam of sump cover slab of sump	mmended workabili eer - in-ch ss or less k above p tying desi	ty without im arge. Note:- cement used linth level up gn mix M-25 15.000 4.500	npairing strenCement contas per designoto floor V le	angth and duratent consider n mix is payavel 3.5-0.3 0.300	ability as ed in this	luding d setting o per item is @
	admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor Providing and la side wall of sump roof beam of sump roof beam of sump cover slab of	mmended workabili eer - in-ch ss or less k above p nying desi 1 2	ty without im arge. Note:- cement used linth level up gn mix M-25 15.000 4.500 3.000	npairing strenCement contas per designo floor V le 0.250 0.300	angth and duratent consider n mix is payavel 3.5-0.3 0.300	ability as ed in this	luding d setting of per item is @ coverable 12.00 0.81

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	beam of PH	2	4.500	0.300	0.300		0.810
	beam of PH	2	3.100	0.300	0.300		0.558
	gantry beam	2	3.300	0.450	0.600		1.782
	lintel of PH	1	11.100	0.200	0.150		0.333
	Sunshade of PH	1	12.400	0.600	0.100		0.744
	roof slab of PH	1	5.100	4.100	0.150		3.137
	Total						24.715
				To	tal Quantity	y in cum	24.715
7.009	5.34.1						
	Extra for providing specified cement c grade concrete inst in M-30 is @ 340 l Providing and lay	ontent use ead of M kg/cum).	ed is payable, -25 grade BM	recoverable/	e separately.F	Providing	M-30
	base slab of sump	ying acsig	5.100	4.100	0.300		6.273
	base slab of PH	1	5.100	4.100	0.200		4.182
	columns for sump	4	0.300	0.450	3.450		1.863
	side wall of sump	1	15.000	0.430	3.450		12.938
	Haunch of sump	0.5	14.000	0.300	0.500		1.050
	roof beam of sump	2	3.600	0.300	0.300		0.648
	roof beam of sump	2	2.900	0.300	0.300		0.522
	cover slab of sump	1	5.100	4.100	0.150		3.137
	columns for Pump house	2	0.300	0.450	4.050		1.094
	columns for Pump house sump side extra height	2	0.300	0.450	0.600		0.162
	beam of PH	2	3.600	0.300	0.300		0.648
	beam of PH	2	2.900	0.300	0.300		0.522
	lintel of PH	1	11.100	0.200	0.150		0.333
	roof slab of PH	1	5.100	4.100	0.150		3.137
	sunshade of PH	1	12.400	0.600	0.100		0.744
	Total						37.253
				To	tal Quantity	y in cum	37.253
7.010	5.9.1						
	Centering and shut footings, bases of o	tering inc	cluding strutti etc for mass	ng, etc. and	removal of fo	orm for:F	oundations,

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Centering and shu	ttering inc	cluding strutt	ing etc, and 1	removal		
	Base slab of sump	1	18.400		0.300		5.520
	Base slab of PH	1	18.400		0.300		5.520
	Total						11.040
				To	otal Quantit	y in sqm	11.040
7.011	5.9.2						
	Centering and shuthickness) including	ttering ind ng attache	cluding strutt d pilasters, b	ing, etc. and utteresses, pl	removal of f linth and stri	orm for:V	Valls (any s etc.
	Centering and shu	ittering in	cluding strut	ting etc, and	removal		
	columns	2	1.200	3.450			8.280
	columns	4	1.200	4.5-0.3			20.160
	haunch	1	14.000	0.500			7.000
	side wall inside	1	14.000	2.950			41.300
	side wall out side	1	16.000	3.450			55.200
	Total		sall.	Mary Control			131.940
				To	otal Quantit	y in sqm	131.940
	Centering and shu floors, roofs, landi	ngs, balco	onies and acc	ess platform		orm for:S	uspended
	Centering and shu	ttering inc	cluding strutt	ing etc, and i	removal		
	cover slab of sump	1	5.100	4.100			20.910
	cover slab sides of sump	2	5.1+4.1	0.150			2.760
	roof slab of PH	1	5.100	4.100			20.910
	roof slab sides of PH	2	5.1+4.1	0.150			2.760
	sunshade of PH	1	12.400	0.600			7.440
	sunshade sides of PH	1	12.700	0.100			1.270
	Total						56.050
				To	otal Quantit	y in sqm	56.050
7.013	5.9.5						
	Centering and shubeams, plinth bear					orm for:L	intels,
	Centering and sh	uttering i	ncluding stru	itting etc, and	d removal		
	roof beam of sump &PH	4	4.500	0.3*2			10.800

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	roof beam of sump &PH	4	3.100	0.3*2			7.440		
	lintel of PH	2	11.100	0.150			3.330		
	Total						21.570		
				To	otal Quantit	y in sqm	21.570		
7.014	5.22.6								
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more								
	Steel reinforcement for R.C.C								
	Steel reinforcement for R.C.C	24.715				140.00 0000	3460.100		
	Total						3460.100		
			-6.1	Total Q	Quantity in k	kilogram	3460.100		
7.015	50.6.1.2		AFB.	2 4141					
	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		
	Slid block maso	onry 40x2	0x20cm bloc	K FOR THE M	ANAGEMENT				
	for PH wall	1	11.100	0.200	4.050		8.991		
	for PH parapet wall	1	17.200	0.200	0.750		2.580		
	for sump parapet wall	1	11.700	0.200	0.750		1.755		
	Deductions - Windows	-2	1.500	0.200	1.400		-0.840		
	Deductions - rolling shutter	-1	3.000	0.200	2.500		-1.500		
	Deductions -lintel	-1	11.100	0.200	0.150		-0.333		
	Deductions - ventilator	-3	1.000	0.200	0.600		-0.360		
	Total						10.293		
				To	tal Quantit	y in cum	10.293		
7.016	13.7.1								
	12 mm cement pla cement : 3 fine san	ster finish d)	ed with a flo	ating coat of	neat cemen	t of mix:1	:3 (1		
	12mm cement pla	aster finis	hed withcem	ent mix 1:3		T			
	sump floor	1	4.000	3.000			12.000		
	sump haunch	1	14.000	0.500			7.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	sump inside wall	1	14.000	2.950			41.300
	sump outside wall	1	11.500	3.450			39.675
	top & bottom of cover slab	2	3.800	5.100			38.760
	columns	4	1.200	4.050			19.440
	floor of PH	1	4.100	3.100			12.710
	wall of PH- inside	2	7.200	4.500			64.800
	wall of PH- outside	1	11.100	4.500			49.950
	roof of PH	2	5.100	4.100			41.820
	parapet wall of PH	2	17.200	0.850			29.240
	parapet wall of sump	2	11.700	0.850			19.890
	sunshade of PH	2	12.400	0.650			16.120
	Deduction - rolling shutter	-1	3.000	2.500			-7.500
	Deduction - windows	-2	1.500	1.400			-4.200
	Deduction - ventilatos	-3	1.000	0.600	ANAGEMENT		-1.800
	Total						379.205
				To	tal Quantity i	n sqm	379.205
7.017	22.23.1						
	Providing and ann		1 . 111	1 01	1 1 111 1		
	waterproofing trea water tanks, roof s./subway and bridg integral crystalline integral crystalline same from negative shall meet the requested permeability of condition DIN 1048 and resistalline shall be carried our engineerincharge. The product	tment to the labs, podictive deck etce slurry: 2 slurry: 1 e (internal irements ancrete by restant to 16 able of self all complet performations.	ne RCC structures, reservious, prepared by parts water) for part water) for side with the same specified in more than 90% bar hydrostate. The aling of cete as per speance shall care	tures like ret r, sewage & y mixing in for vertical s or horizontal he help of syn h ACI-212-3 % compared atic pressure cracks up to ecification a	water treatme the ratio of 5: surfaces and 3 surfaces and a nthetic fiber br R-2010 i.e by with control connegative si a width of 0.50 and the direction	f the bant plant 2 (5 pa : 1 (3 pa applyin rush. The concrete de. The 1 mm. To of the	sement, c, tunnels rts arts g the ne material ng e as per crystalline he work
	waterproofing trea water tanks, roof s./ subway and bridg integral crystalline integral crystalline same from negativ shall meet the requiremeability of cord DIN 1048 and resi slurry shall be carried our engineerincharge. The productleakage. For vertical	tment to the labs, podictive deck etce slurry: 2 slurry: 1 e (internal irements ancrete by restant to 16 able of self all complet performal surface t	ne RCC structums, reservious, prepared by parts water) for part water) for part water) for side with the specified in more than 90% bar hydrostate as per specified as per specified as per specified wo coats @000000000000000000000000000000000000	tures like ret r, sewage & y mixing in for vertical s or horizontal he help of syn h ACI-212-3 % compared atic pressure cracks up to ecification a	water treatme the ratio of 5: curfaces and 3 surfaces and 3 surfaces and in thetic fiber by R-2010 i.e by with control connegative sin a width of 0.50 and the direction	f the bant plant 2 (5 pa : 1 (3 pa applyin rush. The concrete de. The 1 mm. To of the	sement, t, tunnels rts arts g the ne material ng e as per crystalline he work
	waterproofing trea water tanks, roof s./subway and bridg integral crystalline integral crystalline same from negative shall meet the requested permeability of condition DIN 1048 and resistalline shall be carried our engineerincharge. The product	tment to the labs, podictive deck etce slurry: 2 slurry: 1 e (internal irements ancrete by restant to 16 able of self all complet performal surface t	ne RCC structums, reservious, prepared by parts water) for part water) for part water) for side with the specified in more than 90% bar hydrostate as per specified as per specified as per specified wo coats @000000000000000000000000000000000000	tures like ret r, sewage & y mixing in for vertical s or horizontal he help of syn h ACI-212-3 % compared atic pressure cracks up to ecification a	water treatme the ratio of 5: curfaces and 3 surfaces and 3 surfaces and in thetic fiber by R-2010 i.e by with control connegative sin a width of 0.50 and the direction	f the bant plant 2 (5 pa : 1 (3 pa applyin rush. The concrete de. The 1 mm. To of the	sement, t, tunnels rts arts g the ne material ng e as per crystalline he work

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Total						48.300	
				To	otal Quantit	y in sqm	48.300	
7.018	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basemer water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunn / 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 marshall 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 cryst slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The worshall be carried out all complete as per specification and the direction of the engineerincharge. The product performance shall carry guarantee for 10 years against any							
	leakage.For horizo	ntal surfa	ce one coat (@1.10 kg pei	sqm.	is against	arry	
	Providing water pr	oofing tre	74.50	2.000			12 000	
	base slab of sump	Į.	4.000	3.000			12.000	
	Total	N/	1	Tr	otal Quantit	L. : a a	12.000 12.000	
7.019	Applying one coat manufacture on was	all surface	:Water thinn	able cement	primer	brand and		
	Sump out side						20.675	
	wall	1	11.500	3.450			39.675	
	Sump top of cover slab	1	3.800	5.100			19.380	
	inside wall of PH	2	7.200	4.500			64.800	
	outside wall of PH	1	11.100	4.500			49.950	
	roof of PH	2	5.100	4.100			41.820	
	parapet wall of PH	2	11.700	0.850			19.890	
	sunshade of PH	2	12.400	0.650			16.120	
	Deductions - rolling shutter	-1	3.000	2.500			-7.500	
	Deductions - windows	-2	1.500	1.400			-4.200	
	Deductions - ventilators	-3	1.000	0.600			-1.800	
	Total						238.135	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
				To	otal Quantit	y in sqm	238.135		
7.020	13.60.1								
	Wall painting with an even shade:Two				d brand and	manufactı	ire to give		
	Wall painting wit	h acrylic	emulsion pai	nt					
	Sump out side wall	1	11.500	3.450			39.675		
	Sump top of cover slab	1	3.800	5.100			19.380		
	inside wall of PH	2	7.200	4.500			64.800		
	outside wall of PH	1	11.100	4.500			49.950		
	roof of PH	2	5.100	4.100			41.820		
	parapet wall of PH	2	11.700	0.850			19.890		
	sunshade of PH	2	12.400	0.650			16.120		
	Deductions - rolling shutter	-1	3.000	2.500			-7.500		
	Deductions - windows	-2	1.500	1.400	_E		-4.200		
	Deductions - ventilators	-3	1.000	0.600	ANAGEMENT		-1.800		
	Total						238.135		
				Te	otal Quantit	y in sqm	238.135		
7.021	13.71								
	Lettering with blac	ek Japan p	oint of approv	ved brand an	d manufactu	re			
	Lettering								
	Lettering	100			15.000		1500.000		
	Total						1500.000		
			Total Qua	ntity in per	Letter per c	m height	1500.000		
7.022	50.9.1.1								
	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasten of required dia & length (hold fast lugs or dash fastener shall be paid for separately) using good quality Anjili wood /jack wood								
	providing wood w	orks in fra	mes of door	, windows et	c.				
	windows	2	9.000	0.100	0.075		0.135		
	ventilators	3	4.200	0.100	0.075		0.095		
	Total						0.230		
				To	otal Quantit	y in cum	0.230		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
7.023	50.9.5.1											
	Providing and fixing 4 mm thick float graphished of require thick shutters.	lass panes	s including IS	SI marked M	.S pressed bu	ıtt hinges	bright					
	providing and fixing	ng glazed	shutters									
	windows	2	1.500	1.400			4.200					
	ventilators	3	1.000	0.600			1.800					
	Total	otal 6.000										
		Total Quantity in sqm 6.000										
7.024	13.48.2	48.2										
	primer as per man Surface Paint of re under coat of prim	inishing with Deluxe Multi surface paint system for interiors and exteriors using rimer as per manufacturers specifications:Painting wood work with Deluxe Multi surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an order coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture Painting wood work										
	Windows	2	1.500	1.400		1.0000 00	4.200					
	Ventilator	3	1.000	0.600		1.0000 00	1.800					
	Total		e-PLATFOR	M FOR THE M	ANAGEMENT		6.000					
			OF PUBLIC	WORKS To	otal Quantit	y in sqm	6.000					
7.025	10.6.2											
	Supplying and fixilaths, interlocked tend locks, mounte arrangements for including the cost manufactured from - part 1 and M.S. tlaths with 1.20 mm supplying and fixi	ogether the domesting of the considerand of the considerand of the constant of	arough their of the courside locking and fixing sile steel wire of required the cover	entire length d pipe shaft v ing with pusl g necessary 2 e of adequate	and jointed twith brackets hand pull op 27.5 cm long estrength con	ogether a s, side gui- peration co wire spri- nforming	t the end by des and omplete, ngs to IS: 4454					
	Rolling shutter	1	3.000	2.500			7.500					
	Total		2.000	00			7.500					
				To	otal Quantit	v in sam						
7.026	10.25.2					,						
20	Item Shifted to Su Item Shifted to hea Steel work welded in position and app	m Shifted to Sub head 14 as item 14.73 m Shifted to head 14 as item 14.74 eel work welded in built up sections/framed work, including cutting, hoisting, fixing position and applying a priming coat of approved steel primer using structural steel as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and										

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	for ladder	2				100.00 0000	200.000				
	Total						200.000				
				,	Total Quant	ity in kg	200.000				
7.027	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 Steel work painting										
	for rolling shutter	1	3.000	2.500		2.4000	18.000				
	Total	L				00	18.000				
				Te	otal Quantit	v in sam	18.000				
7.028	18.26.1		d.	W	2001 Q 03011010	<i>)</i> === = = ====	20000				
7.020	Providing and layi caps etc., suitable						lars, tapers,				
	C.I. standard spec	ials									
	100mm wall casting pipe for inlet out let, over flow, scour etc.	5	e-PLATFOR OF PUBLIC	M FOR THE M WORKS	ANAGEMENT	0.2000	1.000				
	Total						1.000				
				Total	Quantity in	ı quintal	1.000				
7.029	100.41.34										
	Supplying and fixi (low duty) charges						th frame				
	Supplying and fixi	ng C.I.ma	nhole cover								
	C.I.manhole cover	1					1.000				
	Total						1.000				
				,	Total Quant	ity in no	1.000				
7.030	OD8439/2022-202	.3									
	Supplying and providing water level indicator to the tank using scale fabricated of 2mm thick MS plate with in the frame work of suitable size MS square t 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure, lettering etc complete including all charges for material and labour										
	Supplying and fixi	ng water	level indicate	or		, ,					
	Supplying and										

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Total						1.000		
					Total Quant	ity in no	1.000		
7.031	OD8440/2022-202	23							
	Supply and Fitting	100 mm	Vent cowl						
	Supplying and fixi	ng vent c	owl		T				
	Supplying and fixing vent cowl	1					1.000		
	Total						1.000		
		ity in no	1.000						
7.032	100.36.1								
	Filling water with 5000 litre tankers fited in lorry and conveying water from sof 5 km (average) to the reservoir site and pumping the water into the reservoir height not less than 3 m using 5 HP diesel engine pump set, hire for tanker loand other appliences and cost of water etc. complete. Filling water for testing Filling water for 30								
	testing	20		200			30.000		
	Total			Total (Overtity in 1	Vila litma	30.000		
0	Construction of 1.) I I cope	oity stool ton		Quantity in 1	XIIO IIITE	30.000		
	2.1.1	J LL Capa	icity steel tail	iks at iviorka	du top				
0.001	Earth work in surf width as well as 10 lift up to 1.5 m, dis) sqm on	plan includin	g disposal o	f excavated e	arth up to	50 m and		
	Earth work for sit	e levelling	g		T	T			
	for site levelling	1	8.000	8.000	0.300		19.200		
	for pcc	1	7.500	7.500	0.150		8.438		
	Total						27.638		
				<u>T</u>	otal Quantit	y in sqm	27.638		
8.002	4.1.3						_		
	Providing and layi of centering and sl (zone-III) : 4 grade	nuttering -	- All work up	to plinth le	vel:1:2:4 (cer	de excludi nent : 2 co	oarse sand		
	PCC for levelling				1				
	PCC for levelling	1	7.500	7.500	0.150		8.438		
	Total						8.438		
				T	otal Quantit	y in cum	8.438		
8.003	5.1.3								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Providing and layi excluding the cost to plinth level:1:2: nominal size)	of centeri	ng, shuttering	g, finishing a	nd reinforce	ment - All	work up				
	Providing and lay	ing R.C.C	. 1:2:4		_	_					
	for ring beam(3.14*(3.14 +2.69)(3.14- 2.69)0.45	3.14	5.830	0.450	0.450		3.707				
	Total						3.707				
	Total Quantity in cum										
8.004											
	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete										
	Centering and Sh	uttering		er?							
	Ring beam outer side	3.14	6.280	0.450			8.874				
	Ring beam inside	3.14	5.380	0.450			7.602				
	Total			210			16.476				
		N/		To	tal Quantity	y in sqm	16.476				
8.005	5.22.6		e-PLATFOR	M FOR THE M	ANAGEMENT						
	Steel reinforcemer in position and bin bars of grade Fe-5	ding all co	omplete upto								
	Steel reinforceme	nt									
	Steel reinforcement for	2 -0-				120.00					
	ring beam	3.707				120.00	444.840				
		3.707					444.840 444.840				
	ring beam	3.707		Total Q	uantity in k	0000					
8.006	ring beam			Total Q	uantity in k	0000	444.840				
8.006	ring beam Total	023	filling sand in		•	0000 ilogram	444.840				
8.006	ring beam Total OD10217/2022-20	023	filling sand in		•	0000 ilogram	444.840				
8.006	ring beam Total OD10217/2022-20 Supplying,coveying	023	filling sand in		•	0000 ilogram	444.840				
8.006	ring beam Total OD10217/2022-20 Supplying,coveying)23 ng &		nside the pla	tform for stee	ilogram el tank	444.840				
8.006	ring beam Total OD10217/2022-20 Supplying,coveyin Sand for filling)23 ng &		5.380	tform for stee	0000 ilogram el tank 0.2500 00	444.840 444.840 10.225				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Supply,installation and commissioning of a pre-engineered, pre-fabricated, factory manufactured steel storage Water Tank having a capacity of 100000 L(1Nos.) thichness of 0.6 mm, in multiple layers as required for the capacity and height of the tank and multiple-layered PE sheet/membrane for the inner containment liner. The											
	Tank Shell / Body & Dodge the Liner material shall be manufactured in a facility certified and compliant to ISO 9001 - 2000 standards. The Tank shall be supplied with access points, penetrations for inlets, outlets, drains and fittings, overflow and drain,											
	high and low wate or threaded nozzle tank shall be of co duty Hot-dip Galv	s, placed rrugated (to the KWA Galvalume sh	water mains neet steel and	TANK ROC shall be don	OF :The roned, with	oof of the heavy-					
	persons for mainte on the roof, for op- approved galvaniz	nance and eration and ed vermin	d cleaning an Id Maintenan In proof const	d tank shall loce TANK Coruction. Root	have an acce OVER :Tank f ends shall b	ss hatch v covers sl e fitted w	vith cover, hall be of vith suitable					
	vermin-proofing ta Covers shall be fir LADDERS: Tanks externally. Externa	mly fixed s shall be	to the top ed provided wit	lge of the tan h Hot-dip Ga	ik with galva alvanized lad	nized bol ders inte	ts and nuts. ernally or					
	galvanized Steel co overflow requirem panels shall be a m	onstruction ents relation	on. Tanks sha ive to Effecti of 12mm size	Il comply wince Capacity. and hot-dip	th relevant s All nuts and galvanized/	pill level, I bolts use Case hard	air gap and ed for the ened. The					
	tank shall have a c top, of minimum 2 prior to being brou Tank shall be of 5.	mm thick	kness.Tanks service TANI	<mark>shal</mark> l be prop <mark>K D</mark> IMENSI	erly flushed ONS: The di	out with omensions	clean water of the					
	shall have a design outlet connection: ii) Overflow connection	i) 100mr	0 years. TAN n CI Flanged	IK CONNEC valve	TIONS: Sta	ndard des	ign valve					
	maximize the over the floor of the tan shall be purpose-d	flow capa k with iso esigned a	acity. One no olation valve, nd manufacti	o. 100 mm, ii One No. 10 ared and shal	i) One (1) so Omm.TANK I comply to A	our drain LINERS AS/NZS 4	outlet from :Tank liners 4020					
	(Appendix A) of 2 to above standards shall: i) Be factory layer PE sheet, cer	shall be to manufactified for	furnished by tured to one- potable drinl	the manufaction piece constraint water, to	turer of the ta fuction, fabric (ANSI/ NS	anks. Tan cated fron F 61) and	k liners n multi- duly UV					
	Stabilized. ii) Be of reinforced with wo tensile strength. The tensile strengt	oven scrin ne total lii	n industrial f ner material t	abric to preve hickness sha	ent elongatio ll be no less	n and end than 0.8 r	nance nm thick.					
	sealing strength of Metallocene encap shall cover and pro- prevent the ingress	sulating to tect the e	cape welded of exposed mate	over the over rial at the ed	lap. vi) The l ges of the lin	Metalloce er joints t	ne tape to further					
	continuously attaclentry of water from in height shall hav	hed to the n the runce e a contin	top outer ed off from the r nuous interme	ge of the circ oof structure ediate liner su	cumference of viii) All lin apport design	of the tank ers on tan ned out of	to prevent lks over 2m nylon (or					
	other material)cord corresponding to the be firmly secured to joints, and thereby	he level o to the stee	f each ring. i el shell at eac	x) The intern h level, to pr	nediate liner event stress	support con the line	ords shall er welded					
	tank structure shal magnesium anodes of each anode shal	l have a ses. The nui	econdary cor mber of anod	rosion protectes, their loca	ction system tion around t	using sac the tank a	rificial nd the mass					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	anodes shall be installed external to the tank and concrete apron with their lo marked with a suitably label-Cost for Tank steel with 10years guarantee incl. I,Steel wall,steel domed roof,Zinc Alum steel',Cost for Poly ethylene in liner, Geo synthetic Fibre withfood grade plastics are used for inside coating Support Arrangements,Cost for Fabricated items,attachments and accessories ladder,Cost of Fabricated nozzles,over flow nozzles and drain arrangements, HDG nut and bolts,Freight Charges,Erection Installation and commissioning components. Supplying and installation of 1.0 LL capacity steel tank										
	Supplying and inst	tallation o	f 1.0 LL cap	acity steel ta	nk						
	steel tank	1	100000.0 00				100000.0 00				
	Total						100000.0 00				
				To	tal Quantity	in Litre	100000.0 00				
9	Construction of 1.	80 LL cap	acity steel ta	ınk at Kaippa	l.						
	2.1.1		080								
	Earth work in surface excavation not exceeding 30 cm in depth but exceeding width as well as 10 sqm on plan including disposal of excavated earth up to lift up to 1.5 m, disposed soil to be levelled and neatly dressed: All Kinds of statements.										
	Earth work	V			_드						
	Earth work For site levelling	1	9.000	9.000	0.300						
	For site levelling For PCC	1	9.000 8.000	9.000 8.000	0.300 0.150		24.300 9.600				
	For site levelling	1	OE BUBLIC	WORKS			24.300 9.600				
	For site levelling For PCC Total	1	OE BUBLIC	8.000		y in sqm	24.300 9.600 33.90 0				
9.002	For site levelling For PCC Total	nuttering -	8.000 ition cement All work up	8.000 To concrete of so to plinth lev	0.150 otal Quantit specified grace vel:1:2:4 (cer	de excludi	24.300 9.600 33.900 33.900				
9.002	For site levelling For PCC Total 4.1.3 Providing and layi of centering and sl	nuttering -	8.000 ition cement All work up	8.000 To concrete of so to plinth lev	0.150 otal Quantit specified grace vel:1:2:4 (cer	de excludi	24.300 9.600 33.900 33.900				
9.002	For site levelling For PCC Total 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade	nuttering -	8.000 ition cement All work up	8.000 To concrete of so to plinth lev mm nominal	0.150 otal Quantit specified grace vel:1:2:4 (cer	de excludi	24.300 9.600 33.900 33.900 ang the cost parse sand				
9.002	For site levelling For PCC Total 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade PCC	nuttering - ed stone a	8.000 ition cement All work upggregate 20	8.000 To concrete of so to plinth lev mm nominal	otal Quantit specified gradel:1:2:4 (cersize)	de excludi	24.300 9.600 33.900 33.900 ang the cost parse sand				
9.002	For site levelling For PCC Total 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade PCC For PCC	nuttering - ed stone a	8.000 ition cement All work upggregate 20	8.000 To concrete of so to plinth lev mm nominal 8.000	otal Quantit specified gradel:1:2:4 (cersize)	de excludi ment : 2 co	24.300 9.600 33.900 ang the cost parse sand 9.600 9.600				
9.002	For site levelling For PCC Total 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade PCC For PCC Total	nuttering - ed stone a	8.000 ition cement All work upggregate 20 8.000 ition specifieing, shutterin	8.000 To concrete of so to plinth lever mm nominal 8.000 To d grade of reag, finishing a	otal Quantit specified gradel:1:2:4 (cersize) 0.150 otal Quantit inforced cemand reinforced	de excludinent : 2 co	24.300 9.600 33.900 33.900 Ing the cost parse sand 9.600 9.600 9.600 9.600				
	For site levelling For PCC Total 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade PCC For PCC Total 5.1.3 Providing and layi excluding the cost to plinth level:1:2:	nuttering - ed stone a	8.000 ition cement All work upggregate 20 8.000 ition specifieing, shutterin	8.000 To concrete of so to plinth lever mm nominal 8.000 To d grade of reag, finishing a	otal Quantit specified gradel:1:2:4 (cersize) 0.150 otal Quantit inforced cemand reinforced	de excludinent : 2 co	24.300 9.600 33.900 33.900 ing the cost parse sand 9.600 9.600 9.600				
	For site levelling For PCC Total 4.1.3 Providing and laying of centering and slaying cone-III): 4 grades PCC For PCC Total 5.1.3 Providing and laying excluding the cost to plinth level: 1: 2: nominal size)	nuttering - ed stone a	8.000 ition cement All work upggregate 20 8.000 ition specifieing, shutterin	8.000 To concrete of so to plinth lever mm nominal 8.000 To d grade of reag, finishing a	otal Quantit specified gradel:1:2:4 (cersize) 0.150 otal Quantit inforced cemand reinforced	de excludinent : 2 co	24.300 9.600 33.900 33.900 ing the cost parse sand 9.600 9.600 9.600 rete, I work up 0 mm				
	For site levelling For PCC Total 4.1.3 Providing and layi of centering and sl (zone-III): 4 grade PCC For PCC Total 5.1.3 Providing and layi excluding the cost to plinth level:1:2: nominal size) RCC	ng in posi of centeria	8.000 ition cement All work upggregate 20 8.000 ition specifie ing, shutteringent: 2 coarse	8.000 To concrete of so to plinth lever mm nominal 8.000 To d grade of reag, finishing a e sand: 4 grade of the sand sand sand sand sand sand sand sand	otal Quantit specified gracel:1:2:4 (cersize) 0.150 otal Quantit inforced cemand reinforced ded stone ag	de excludinent : 2 co	24.300 9.600 33.900 33.900 ing the cost parse sand 9.600 9.600 9.600				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
9.004	5.9.1		-	-							
	Centering and shut footings, bases of				removal of fo	orm for:F	oundations,				
	Centering & amp;	shutterin	g								
	Inside	3.14	6.350		0.450		8.973				
	Outside	3.14	7.250		0.450		10.244				
	Total						19.217				
				To	otal Quantity	y in sqm	19.217				
9.005	5.22.6										
	in position and bin	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										
	Ring beam	1	4.305			120.00 0000	516.600				
	Total						516.600				
			- Alle	Total Q	Quantity in k	ilogram	516.600				
9.006	OD10242/2022-20	23		3 -11							
	Supplying, coveying	g &	filling sand i	ns <mark>id</mark> e the pla	tform for ste	el tank					
	Sand for Filling		e-PLATFOR	M FOR THE M	ANAGEMENT						
		3.14	6.350	6.350	0.450	0.2500 00	14.244				
	Total						14.244				
				To	tal Quantity	y in cum	14.244				
9.007	OD9517/2022-202	23									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Supply,installation and commissioning of a pre-engineered, pre-fabricated, factory manufactured steel storage Water Tank having a capacity of 180000 L(1Nos.) thichness of 0.6 mm, in multiple layers as required for the capacity and height of the tank and multiple-layered PE sheet/membrane for the inner containment liner. The											
	Tank Shell / Body & Dody & Tank Shell / Body & Dody Standards of Shell / Body & Dody Standards of Shell be supplied with access points, penetrations for inlets, outlets, drains and fittings, overflow and drain,											
	high and low wate or threaded nozzle tank shall be of co	r level ind s, placed rrugated (dicators. All of to the KWA Galvalume sh	connections t water mains neet steel and	to the tanks s TANK ROC I shall be don	hall be w F:The roned, with	ith flanged oof of the heavy-					
	duty Hot-dip Galv persons for mainte on the roof, for op- approved galvaniz	nance and eration and ed vermin	d cleaning an Id Maintenan In proof const	d tank shall l ce TANK Coruction. Roof	have an acce OVER :Tank f ends shall b	ss hatch v covers sl e fitted w	vith cover, hall be of vith suitable					
	vermin-proofing ta Covers shall be fir LADDERS: Tanks externally. Externa	mly fixed s shall be	to the top ed provided wit	lge of the tan h Hot-dip Ga	ik with galva alvanized lad	nized bol ders inte	ts and nuts. ernally or					
	galvanized Steel co overflow requirem panels shall be a m	onstruction ents relation	on. Tanks sha ive to Effecti of 12mm size	Il comply wi ve Capacity. and hot-dip	th relevant s All nuts and galvanized/	pill level, I bolts use Case hard	air gap and ed for the ened. The					
	tank shall have a c top, of minimum 2 prior to being brou Tank shall be of 6.	mm thick	kness.Tanks service TANI	<mark>shal</mark> l be prop <mark>K D</mark> IMENSI	erly flushed ONS: The di	out with omensions	clean water of the					
	shall have a design outlet connection: ii) Overflow connection	i life of 50 i) 150mr	0 years. TAN n CI Flanged	IK CONNEC valve	TIONS: Sta	ndard des	ign valve					
	maximize the over the floor of the tan shall be purpose-d (Appendix A)of 2	flow capa k with iso esigned a	acity. One no olation valve, nd manufacti	o. 100 mm, ii One No. 100 ared and shal	i) One (1) so Omm.TANK I comply to A	our drain LINERS AS/NZS 4	outlet from :Tank liners 4020					
	to above standards shall: i) Be factory layer PE sheet, cer	shall be to manufactified for	furnished by tured to one- potable drinl	the manufact piece constr king water, to	turer of the ta fuction, fabric (ANSI/ NS	anks. Tan cated fron F 61) and	k liners n multi- duly UV					
	Stabilized. ii) Be of reinforced with wo tensile strength. The tensile strengt	oven scrin ne total lii h shall no	n industrial finer material to be less than	abric to prevo hickness sha n 2266 N (wa	ent elongatio ll be no less arp) and 2495	n and end than 0.8 r 5 N (weft)	nance nm thick. and heat					
	sealing strength of Metallocene encap shall cover and pro- prevent the ingress	sulating to tect the e	cape welded of exposed mate	over the over rial at the ed	lap. vi) The l ges of the lin	Metalloce er joints t	ne tape to further					
	continuously attaclentry of water from in height shall hav	hed to the n the runce e a contin	top outer ed off from the r nuous interme	ge of the circ oof structure ediate liner su	cumference of viii) All lin apport design	of the tank ers on tan ned out of	to prevent lks over 2m nylon (or					
	other material)cord corresponding to the be firmly secured to joints, and thereby	he level o to the stee	f each ring. i el shell at eac	x) The intern h level, to pr	nediate liner event stress	support con the line	ords shall er welded					
	tank structure shall magnesium anodes of each anode shal	l have a ses. The nui	econdary cor mber of anod	rosion protectes, their loca	ction system tion around t	using sac the tank a	rificial nd the mass					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	anodes shall be installed external to the tank and concrete apron with their lo marked with a suitably label-Cost for Tank steel with 10years guarantee incl 1,Steel wall,steel domed roof,Zinc Alum steel',Cost for Poly ethylene in liner,Geo synthetic Fibre withfood grade plastics are used for inside coating Support Arrangements,Cost for Fabricated items,attachments and accessorie ladder,Cost of Fabricated nozzles,over flow nozzles and drain arrangements, HDG nut and bolts,Freight Charges,Erection Installation and commissioning components.										
	Supplying and Installation of Steel Tank -1.80LL										
	Steel tank	1	180000.0 00				180000.0 00				
	Total						180000.0 00				
				To	tal Quantity	in Litre	180000.0 00				
10	Construction of 2.	20 LL cap	acity steel ta	ınk at Adoor	mala.						
10.00			088								
1	Earth work in surf width as well as 10 lift up to 1.5 m, di	on sqm	plan includin	g disposal of	f excavated e	arth up to	50 m and				
	Earth work excava	tion			ᅳ						
	for levelling	1	10.000	10.000	ANAS 0.300		30.000				
	for PCC	1	9.500	9.500	0.150		13.538				
	Total						43.538				
				To	otal Quantit	y in sqm	43.538				
10.00	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	de excludinent : 2 co	ing the cost parse sand				
	Providing PCC for	levelling									
	for levelling	1	9.500	9.500	0.150		13.538				
	Total						13.538				
				To	otal Quantit	y in cum	13.538				
10.00	5.1.3 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)										
	Providing and layi	ng RCC 1	1:2:4								
	for ring beam3.14(4.11+3 .66)(4.11- 3.66)0.45	3.14	7.770	0.450	0.450		4.941				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Total		•	•			4.941					
				To	tal Quantity	y in cum	4.941					
10.00	5.9.1					•						
4	Centering and shuttering including strutting, etc. and removal of form for:Foundations footings, bases of columns, etc for mass concrete											
	Centering and Sh	uttering										
	for ring beam inside	1	3.140	7.320	0.450		10.343					
	for ring beam out side	1	3.140	8.220	0.450		11.615					
	Total						21.958					
				To	tal Quantit	y in sqm	21.958					
10.00	5.22.6											
5	in position and bin	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated pars of grade Fe-500D or more										
	Steel reinforcemen	ıt	and the	BOARS.								
	for ring beam	5		3-1 1		120.00 0000	600.000					
	Total						600.000					
			OF PUBLIC \	Total Q	uantity in k	ilogram	600.000					
10.00	OD10245/2022-20)23										
6	Supplying, coveying	g &	filling sand in	nside the pla	tform for ste	el tank						
	Sand for filling			-								
		3.14	7.320	7.320	0.450	0.2500 00	18.928					
	Total						18.928					
				To	tal Quantity	y in cum	18.928					
10.00												

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Supply,installation and commissioning of a pre-engineered, pre-fabricated, factory manufactured steel storage Water Tank having a capacity of 220000 L(1Nos.) thichness of 0.6 mm, in multiple layers as required for the capacity and height of the tank and multiple-layered PE sheet/membrane for the inner containment liner. The											
	Tank Shell / Body & Dody & Tank Shell / Body & Dody Standards of Shell / Body & Dody Standards of Shell be supplied with access points, penetrations for inlets, outlets, drains and fittings, overflow and drain,											
	high and low wate or threaded nozzle tank shall be of co	r level ind s, placed rrugated (dicators. All of to the KWA Galvalume sh	connections t water mains neet steel and	to the tanks s TANK ROC I shall be don	hall be w F:The roned, with	ith flanged oof of the heavy-					
	duty Hot-dip Galv persons for mainte on the roof, for op- approved galvaniz	nance and eration an	d cleaning an d Maintenan	d tank shall l ce TANK C	have an acce OVER :Tank	ss hatch v covers sl	vith cover, hall be of					
	vermin-proofing to Covers shall be fir LADDERS: Tanks externally. Externa	ape or oth mly fixed s shall be	er material, to to the top ec provided wit	o prevent ing lge of the tan h Hot-dip Ga	gress of dust alk with galva alvanized lad	and foreignized bolders inte	gn objects. ts and nuts. ernally or					
	galvanized Steel co overflow requirem panels shall be a m	onstruction ents relation	on. Tanks sha ive to Effecti of 12mm size	Il comply wince Capacity. and hot-dip	th relevant s All nuts and galvanized/	pill level, I bolts use Case hard	air gap and ed for the ened. The					
	tank shall have a c top, of minimum 2 prior to being brou Tank shall be of 7.	mm thick	kness.Tanks ervice TANI	<mark>shal</mark> l be prop <mark>K D</mark> IMENSI	erly flushed ONS: The di	out with omensions	clean water of the					
	shall have a design outlet connection: ii) Overflow connection	i life of 50 i) 150mr	0 years. TAN n CI Flanged	K CONNEC valve	TIONS: Sta	ndard des	ign valve					
	maximize the over the floor of the tan shall be purpose-d (Appendix A)of 2	flow capa k with iso esigned a	acity. One no olation valve, nd manufacti	o. 100 mm, ii One No. 10 ared and shal	i) One (1) so Omm.TANK I comply to A	our drain LINERS AS/NZS 4	outlet from :Tank liners 4020					
	to above standards shall: i) Be factory layer PE sheet, cer	shall be to manufactified for	furnished by tured to one- potable drinl	the manufaction piece constraint water, to	turer of the ta fuction, fabric (ANSI/ NS	anks. Tan cated fron F 61) and	k liners n multi- duly UV					
	Stabilized. ii) Be or reinforced with wo tensile strength. The tensile strengt	oven scrin ne total lii h shall no	n industrial f ner material t ot be less than	abric to prevolution Thickness sha In 2266 N (wa	ent elongatio ll be no less arp) and 2495	n and end than 0.8 r 5 N (weft)	nance nm thick. and heat					
	sealing strength of Metallocene encap shall cover and pro- prevent the ingress	sulating to tect the e	cape welded of exposed mate	over the over rial at the ed	lap. vi) The l ges of the lin	Metalloce er joints t	ne tape to further					
	continuously attact entry of water from in height shall hav	hed to the n the runce e a contin	top outer ed off from the r auous interme	ge of the circ oof structure ediate liner su	cumference of viii) All lin apport design	of the tank ers on tan ned out of	to prevent lks over 2m nylon (or					
	other material)cord corresponding to the be firmly secured to joints, and thereby	he level o to the stee	f each ring. i el shell at eac	x) The intern h level, to pr	nediate liner event stress	support con the line	ords shall er welded					
	tank structure shal magnesium anodes of each anode shal	l have a ses. The nui	econdary cor nber of anod	rosion protectes, their loca	ction system tion around t	using sac the tank a	rificial nd the mass					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	anodes shall be installed external to the tank and concrete apron with their location marked with a suitably label-Cost for Tank steel with 10years guarantee includes shel l,Steel wall,steel domed roof,Zinc Alum steel',Cost for Poly ethylene infinity liner,Geo synthetic Fibre withfood grade plastics are used for inside coating and Support Arrangements,Cost for Fabricated items,attachments and accessories like steel ladder,Cost of Fabricated nozzles,over flow nozzles and drain arrangements, Cost for HDG nut and bolts,Freight Charges,Erection Installation and commissioning of tank components.									
	Supplying and Ins	stallation	of Steel Tan	k -2.20LL						
	Steel Tank	1	220000.0 00				220000.0 00			
	Total						220000.0 00			
	Total Quantity in Litre									
11	Supply, errection, commissioning of clear water pump sets and Transformer arrangements									
11.00	OD10074/2022-20)23								



Specification	No	Length	Width	Depth	Cf	Quantity
Supply and erection 1. Pump -Supply, make Centrifugal with suitable type nuts etc. complete complete including metal etc. complete Suction Head &nd Pumping main - 12. Motor- Supply, make horizontal so for the above pum motor shall confort including cost of cused for coupling 3. Starter- Supply, automatic starter wand under voltage protection relay was practice etc. comp	on of centre erection, to pump sets base plate suitable for g providing. The duration of the centre of pumps are to EEF tement, satisfies of pumps erection, with air brought protection ith main centre.	rifugal pump testing and continuous with bronze to with coupling to coupling to suitable for the condition. Length of sure K9, 3950.0 in testing and continuous to the coupling and motors. It is to the contact of the	set with follommissioning/SS impellering, coupling he pump and undation incides as follows ection pipe - 3 m. TEFC squired at the commissioning providence complete commissioning providence commissioning providence commissioning the commissioning providence commissioning	owing specific of KWA property, SS shaft and guard founds and motor above luding cost of Discharge & 3.20 m, Total and of KWA property, working with the Elexible of Suitable above motor over load relactor as per I	rications. re qualified CI pumpation bolts the the base of cement, andash;13 head 142 pre qualification movelage 41 concrete from the coupling servith or lay with not lay wit	ed reputed p casing s& e plate etc. sand and .0lps 2.0 m, ied reputed tor suitable 5 V. The foundation hall be utly ver voltage notor and code of
Supply, Design, far mounted MS fabri of 1 No. suitable cout going(the two aluminum bus bar indicator lamps, 1 a common earth burules and code of putable foundation 5. Cabling work-Scables for the above considering energy 6. Earthing- Supp size pipe or plate to motor, starter, p 7. Capacitor -Supp	abrication, cated dust apacity M MCCBs at to interco No. volt rus for the practice. To a supply, erve pump sy conservally of all mearthing Goanel boardly, erecticely.	t and vermin ICCB as income interlocking int	ting and comproof commomer and 2 Nong with each ove MCCBs elector switch and interconful be fitted on the starter are providing supported in grandards. The standards and commission of the standards and commission of the standards and commission of the standards.	nmissioning on control particles. of suitable earthing round and givening of hear oning of hear oning of hear oning of hear on control of hear oning of hear on control of hear oning of hear oning of hear on control of hear oning of hear on control of suitable earthing oning of hear oning of hear on control on control of suitable earthing oning of hear oning of hear on control on con	of Cubicle anel board le capacit ding suita th 3 Nos. te and pro MCCBs base fram suitable ster to mother wing by using double vy duty A	e type, floor d consisting y MCCB as able size of ovided with as per IE ne on size XLPE or, ng suitable ole earthing
to IS 2834 8. Valves- Supply flanged sluice valves shall include positive suction pure for easy repair words. Suction and deliquality GI/M.S pip suitable for the about able flanges number of pump with If the dia. of suction (rate include pumpipe, foot valve, Night and surface of pump with If the dia. of suction (rate include pumpipe, foot valve, Night and surface of pump with If the dia. of suction (rate include pumpipe, foot valve, Night and surface of pump with If the dia. of suction (rate include pumpipe, foot valve, Night and surface of pumping and surface of pump	of suitably and nor le proper lamp set, slivery pipe of thick ove pump at & amp; le the valve on pipe is p, motor, pRV, sluice	e size best que return val RCC support luice valve si connections cness not less set and conr bolts IR sheet s and suitable above 80mm anel board, set valve, pipe	reality heavy we with suital especially for nould be in some than 8mm for than 8mm for ecting the suits etc. complete specials to a, CI pipes and tater, 10 m carconnection to the special of the suitater, 10 m carconnection to the special of the suitater.	duty ISI mark ble pressure or non - return uction as well fitting of sure or a total lenguetion pipe and lete and connect with and specials shable, capacity upto valve, ea	ked CI do rating. Fit on valves. It as delived itable size gth of 10. Individual the pumpall be proor, 10 m so arthing, e	ouble tting of IN case of ery sides e best 00m with e delivery ping main. ovided. uction erection,
	Supply and erection 1. Pump -Supply, make Centrifugal with suitable type nuts etc. complete complete including metal etc. complete Suction Head & not Pumping main - 12. Motor- Supply, make horizontal so for the above pum motor shall conformed including cost of cused for coupling 3. Starter- Supply, automatic starter wand under voltage protection relay was practice etc. comp 4. Panel board-(Supply, Design, famounted MS fabrit of 1 No. suitable cout going (the two aluminum bus bar indicator lamps, 1 a common earth burdes and code of puitable foundations 5. Cabling work-Scables for the above considering energy 6. Earthing- Supply size pipe or plate of the motor, starter, procapacitor for the nuto IS 2834 8. Valves- Supply flanged sluice valvalves shall include positive suction put for easy repair wo 9. Suction and deliquality GI/M.S pipsuitable for the above suitable flanges nutiable flanges nutiable flanges nutiable for the above suitable flanges nutiable flanges nutiable flanges nutiable flanges nutiable for the above suitable flanges nutiable	Supply and erection of central. Pump -Supply, erection, to make Centrifugal pump sets with suitable type base plate nuts etc. complete suitable fromplete including providing metal etc. complete. The dure Suction Head – 3 m. Pumping main - 150mm DI 2. Motor- Supply, erection, make horizontal solid shaft for the above pump working motor shall conform to EEF including cost of cement, sat used for coupling of pumps 3. Starter- Supply, erection automatic starter with air broand under voltage protection protection relay with main or practice etc. complete. 4. Panel board-(Suitable for Supply, Design, fabrication, mounted MS fabricated dust of 1 No. suitable capacity Mout going(the two MCCBs at aluminum bus bar to intercoindicator lamps, 1 No. volt at a common earth bus for the rules and code of practice. The suitable foundation. 5. Cabling work- Supply, erection and code of practice. The suitable foundation. 5. Cabling work- Supply of all not size pipe or plate earthing Gotto motor, starter, panel board. Capacitor -Supply, erection and capacitor for the motor to gotto IS 2834 8. Valves- Supply of suitable flanged sluice valve and nor valves shall include proper legislity GI/M.S pipe of thick suitable for the above pump suitable flanges nut & amp; side of pump with the valve If the dia. of suction pipe is (rate include pump,motor,pipe,foot valve, NRV, sluice of the sulvey, NRV, sluice of the sulvey of the s	Supply and erection of centrifugal pump 1. Pump -Supply, erection, testing and comake Centrifugal pump sets with bronze with suitable type base plate with couplin nuts etc. complete suitable for coupling tomplete including providing suitable for metal etc. complete. The duty condition Suction Head – 3 m Length of sur Pumping main - 150mm DI K9, 3950.0 in 2. Motor- Supply, erection , testing and comake horizontal solid shaft foot mounted for the above pump working 3 phase 50 motor shall conform to EEFI/IS 325 inclincluding cost of cement, sand and metal used for coupling of pumps and motors. 3. Starter- Supply, erection , testing and automatic starter with air break contact sand under voltage protection, single phase protection relay with main contactor and practice etc. complete. 4. Panel board-(Suitable for operating to Supply, Design, fabrication, erection, testing out going (the two MCCBs are interlocking aluminum bus bar to interconnect the abindicator lamps, 1 No. volt meter with sea common earth bus for the entire panel suitable foundation. 5. Cabling work- Supply, erection, testing and code of practice. The panel shasuitable foundation. 5. Cabling work- Supply, erection, testing and code for plate earthing GI/copper stripto motor, starter, panel board etc. as per 7. Capacitor -Supply of all materials and size pipe or plate earthing GI/copper stripto motor, starter, panel board etc. as per 7. Capacitor -Supply of suitable size best qualtaged sluice valve and non - return valvalves shall include proper RCC support positive suction pump set, sluice valve slater for the above pump set and consuitable flanges nut & amp; solts IR shee suitable for the above pump; set and consuitable flanges nut & amp; solts IR shee side of pump with the valves and suitable flanges nut & amp; solts IR shee side of pump with the valves and suitable flate include pump, motor, panel board, spipe, foot valve, NRV, sluice valve, pipe	Supply and erection of centrifugal pump set with foll 1. Pump -Supply, erection, testing and commissionin make Centrifugal pump sets with bronze/SS impeller with suitable type base plate with coupling, coupling nuts etc. complete suitable for coupling the pump and commlete including providing suitable foundation incometal etc. complete. The duty condition is as follows Suction Head – 3 m Length of suction pipe - 3 Pumping main - 150mm DI K9, 3950.0 m. 2. Motor- Supply, erection , testing and commissionin make horizontal solid shaft foot mounted TEFC squifor the above pump working 3 phase 50 Hz AC suppl motor shall conform to EEFI/IS 325 including providincluding cost of cement, sand and metal etc. comple used for coupling of pumps and motors. 3. Starter- Supply, erection , testing and commissioni automatic starter with air break contact suitable for the and under voltage protection, single phase preventer, protection relay with main contactor and bypass continguation relay with main contactor and bypass continguation of 1 No. suitable capacity MCCB as incomer and 2 Nout going(the two MCCBs are interlocking with each aluminum bus bar to interconnect the above MCCBs indicator lamps, 1 No. volt meter with selector swited a common earth bus for the entire panel and interconrules and code of practice. The panel shall be fitted o suitable foundation. 5. Cabling work- Supply, erection , testing and commission capacitor for the motor to get a power factor above 0. The panel board to starter a considering energy conservation (a. Earthing- Supply) of suitable size best quality heavy flanged sluice valve and non - return valve with suitavalves shall include proper RCC support especially for easy repair works 9. Suction and delivery pipe connections- Supply and quality GI/M.S pipe of thickness not less than 8mm f suitable for the above pump set, sluice valve should be in s for easy repair works 9. Suction and delivery pipe connections- Supply and quality GI/M.S pipe of thickness not less than 8mm f suitable for	Supply and erection of centrifugal pump set with following specif 1. Pump -Supply, erection, testing and commissioning of KWA pimake Centrifugal pump sets with bronze/SS impeller, SS shaft and with suitable type base plate with coupling, coupling guard found nuts etc. complete suitable for coupling the pump and motor above complete including providing suitable foundation including cost of metal etc. complete. The duty condition is as follows Discharge & Suction Head – 3 m Length of suction pipe - 3.20 m, Total Pumping main - 150mm DI K9, 3950.0 m. 2. Motor- Supply, erection, testing and commissioning of KWA pimake horizontal solid shaft foot mounted TEFC squirrel cage indifor the above pump working 3 phase 50 Hz AC supply, working vimotor shall conform to EEFI/IS 325 including providing suitable including cost of cement, sand and metal etc. complete. Flexible of used for coupling of pumps and motors. 3. Starter- Supply, erection, testing and commissioning of suitable automatic starter with air break contact suitable for the above mot and under voltage protection, single phase preventer, over load reprotection relay with main contactor and bypass contactor as per 1 practice etc. complete. 4. Panel board-(Suitable for operating two pump sets but one pun Supply, Design, fabricated dust and vermin proof common control particle of 1 No. suitable capacity MCCB as incomer and 2 Nos. of suitable out going (the two MCCBs are interlocking with each other) provialuminum bus bar to interconnect the above MCCBs and fitted wiindicator lamps, 1 No. volt meter with selector switch etc. complet a common earth bus for the entire panel and interconnect with the rules and code of practice. The panel shall be fitted on a common suitable foundation. 5. Cabling work- Supply, erection, testing and commissioning of cables for the above pump set panel board to starter and from star considering energy conservation 6. Earthing- Supply of all materials and providing suitable earthin size pipe or plate earthing Gl/copper strip bu	Supply and erection of centrifugal pump set with following specifications. 1. Pump -Supply, erection, testing and commissioning of KWA pre qualific make Centrifugal pump sets with bronze/SS impeller, SS shaft and CI pump with suitable type base plate with coupling, coupling guard foundation bolt nuts etc. complete suitable for coupling the pump and motor above the base complete including providing suitable foundation including cost of cement, metal etc. complete. The duty condition is as follows Discharge – 13 Suction Head – 3 m Length of suction pipe - 3.20 m, Total head 14. Pumping main - 150mm DI K9, 3950.0 m. 2. Motor- Supply, erection , testing and commissioning of KWA pre qualifi make horizontal solid shaft foot mounted TEFC squirrel cage induction mo for the above pump working 3 phase 50 Hz AC supply, working voltage 41 motor shall conform to EEFI/IS 325 including providing suitable concrete fincluding cost of cement, sand and metal etc. complete. Flexible coupling s used for coupling of pumps and motors. 3. Starter- Supply, erection , testing and commissioning of suitable rating fundumatic starter with air break contact suitable for the above motor with or and under voltage protection, single phase preventer, over load relay with m protection relay with main contactor and bypass contactor as per IE rules an practice etc. complete. 4. Panel board-(Suitable for operating two pump sets but one pump set at a Supply, Design, fabrication, erection, testing and commissioning of Cubick mounted MS fabricated dust and vermin proof common control panel board of 1 No. suitable capacity MCCB as incomer and 2 Nos. of suitable capacitiont going (the two MCCBs are interlocking with each other) providing suital aluminum bus bar to interconnect the above MCCBs and fitted with 3 Nos. indicator lamps, 1 No. volt meter with selector switch etc. complete and providing suitable foundation. 5. Cabling work- Supply, erection , testing and commissioning of suitable scables for the above pump set panel board to s

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Centrifugal pun Adoormala GLSR	Centrifugal pump set at sump cum pump house at Blind school pumping adoormala GLSR							
	40 HP	80					80.000		
	Total								
	Total Quantity in HP (Horse power)								
11.00	OD10014/2022-20)23							



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
SINO			Ü		_		Quantity			
	Supply and erection of the Supply and Expense 1. Supply, e						d reputed			
	make Centrifugal									
	with suitable type	base plate	with coupling	ng, coupling	guard found	ation bolt	s&			
	nuts etc. complete									
	complete including									
	metal etc. complete. The duty condition is as follows Discharge – 25.lps Suction Head – 3 m Length of suction pipe - 3.20 m, Total head 172.0 m,									
	Pumping main - 200mm DI K9, 3210.0 m. 2. Motor- Supply, erection, testing and commissioning of KWA pre qualified reputed									
	make horizontal so	olid shaft	foot mounted	ł TEFC squir	rel cage indi	action mo	tor suitable			
	for the above pum									
	motor shall confor	m to EEF	1/IS 325 incl	uding provid	ing suitable	concrete i	toundation			
	including cost of c used for coupling	of numns	and motors	etc. comple	ie. Flexible c	oupning s	nan be			
	3. Starter- Supply,			commissioni	ng of suitabl	e rating fu	ally			
	automatic starter v	vith air br	eak contact s	uitable for th	e above mot	or with o	ver voltage			
	and under voltage									
	protection relay w		contactor and	bypass conta	actor as per I	E rules ai	nd code of			
	practice etc. comp 4. Panel board-(St		r onerating ty	vo numn sets	but one pun	nn set at a	time)			
	Supply, Design, fa									
	mounted MS fabri	cated dus	t and vermin	proof comm	on control pa	anel board	d consisting			
	of 1 No. suitable c									
	out going(the two	MCCBs 8	are interlocki	ng with each	other) provi	ding suita	ible size			
	aluminum bus bar indicator lamps, 1									
	a common earth b									
	rules and code of									
	suitable foundation			_						
	5. Cabling work- S									
	cables for the above considering energy			rd to starter a	na irom star	ter to mot	or,			
	6. Earthing- Supp			providing su	itable earthir	ng by usir	ng suitable			
	size pipe or plate									
	to motor, starter, p	anel boar	d etc. as per	IE standards.						
	7. Capacitor -Supp									
	capacitor for the m to IS 2834	iotor to ge	et a power ta	ctor above 0.	95. The capa	icitor shai	ii contorm			
	8. Valves- Supply	of suitabl	e size best a	uality heavy	duty ISI mar	ked CI do	ouble			
	flanged sluice valv									
	valves shall includ									
	positive suction pu		luice valve sl	hould be in s	uction as we	ll as deliv	ery sides			
	for easy repair works O. Suction and delivery pine connections. Supply and fitting of suitable size best									
	9. Suction and delivery pipe connections- Supply and fitting of suitable size best quality GI/M.S pipe of thickness not less than 8mm for a total length of 10.00m									
	suitable for the above pump set and connecting the suction pipe and valve with									
	suitable flanges nu	ıt &	bolts IR shee	ts etc. compl	ete and conn	ecting the	e delivery			
	side of pump with									
	If the dia. of suction									
	(rate include pum pipe,foot valve, N	p,motor,p RV shiice	anei doard, s e valve nine	connection r	ivie, capacit into valve e	or, iv m s arthing =	ucuon rection			
	trial run and comn	nistioning	. 2 vear main	tanence. fact	tory inspection	on above	100 HP.)			
			, <u> </u>		, mopeour					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Centifugal pump set at sump at Blind school pumping to Morkadu Booster 1									
	85 HP	170					170.000			
	Total									
	Total Quantity in HP (Horse power)									
11.00	OD10116/2022-20)23								



	Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Sl No	Specification Supply and erection 1. Pump -Supply, make Centrifugal with suitable type nuts etc. complete complete including metal etc. complete Suction Head &nd Pumping main - 10 2. Motor- Supply, make horizontal so for the above pum motor shall confor including cost of cused for coupling 3. Starter- Supply, automatic starter vand under voltage protection relay w practice etc. comp 4. Panel board-(Si Supply, Design, famounted MS fabri of 1 No. suitable cout going(the two aluminum bus bar indicator lamps, 1 a common earth brules and code of suitable foundation 5. Cabling work-Si cables for the above considering energy 6. Earthing- Supp size pipe or plate eto motor, starter, p 7. Capacitor -Supp capacitor for the m to IS 2834 8. Valves- Supply flanged sluice valvalves shall include positive suction put for easy repair wor 9. Suction and delivered to motor an	on of centre erection, to pump sets base plate suitable for g providire. The dulash; 3 m to EEF tement, sa of pumps erection with air brotection ith main collete. The dustriction cated dust apacity M MCCBs at o intercollete to intercollete. Supply, erections of suitable for actions of the practice. The supply, erection of suitable for actions of suitable for suitable for actions of suitable for actions of suitable for suitable for actions of suitable for act	rifugal pump testing and consisted with bronze with coupling to general suitable for coupling to general suitable for coupling to general suitable for coupling to testing and consisted foot mounted graph as and motors. It is testing and eak contact such and motors, testing and eak contact or and the contactor and the contactor and the contactor and the coupling to general suitable for the panel shall be entire panel of the panel shall be entire panel for the panel shall be eat a power factor on testing a set a power factor of the coupling and t	set with follommissionin/SS impellering, coupling the pump and undation incis as follows ction pipe - 3 m. commissioning technical tech	owing specific of KWA properties of KWA properties of KWA properties of Manager of KWA properties of K	fications. re qualified CI pumpation bolt to the base of cement, andash; 6.0 head-148. Pre qualification movoltage 41 concrete for with or lay with many set at a for Cubicle and board le capacitating suitable sate and programmer of MCCBs base fram a suitable sate to mother with a suitable sate and programmer of the companion of the companion of the capacitating suitable sate and programmer of the companion of the capacitation of the capacitat	ed reputed p casing s& e plate etc., sand and of lps of m, ied reputed stor suitable 5 V. The foundation shall be ully ver voltage notor and code of a time) e type, floord consisting y MCCB as able size of ovided with as per IE ne on size XLPE for, ag suitable earthing APP and conform ouble ting of IN case of tery sides
		quality GI/M.S pip suitable for the abo suitable flanges no side of pump with If the dia. of suction (rate include pum pipe, foot valve, N	oe of thick ove pump it & the valve on pipe is p,motor,p RV, sluice	sness not less set and conr bolts IR shee s and suitable above 80mm anel board, se e valve, pipe	s than 8mm f necting the su ts etc. comple e specials to a, CI pipes ar tater, 10 m ca connection u	or a total lendetion pipe and ete and connect with ad specials shable, capacit upto valve, ea	gth of 10. nd valve value the pumphall be proposed for the pumphall be p	00m with e delivery ping main. ovided. uction erection,
l		trial run and comn	nistioning	, 2 year main	tanence, tac	tory inspection	on above	100 HP.)

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Centrifugal pump set at Morkadu booster 1 to Morkadu booster 2								
	20 HP	40					40.000		
	Total								
	Total Quantity in HP (Horse power)								
11.00 4	OD10130/2022-20)23							



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
Sl No	Supply and erecti 1. Pump -Supply, make Centrifugal with suitable type nuts etc. complete complete including metal etc. complete Suction Head &nd Pumping main - 10 2. Motor- Supply, make horizontal so for the above pum motor shall confor including cost of c used for coupling 3. Starter- Supply, automatic starter v and under voltage protection relay w practice etc. comp 4. Panel board-(S Supply, Design, fa mounted MS fabri of 1 No. suitable c out going(the two aluminum bus bar indicator lamps, 1 a common earth be rules and code of p suitable foundation 5. Cabling work- cables for the above considering energy 6. Earthing- Supp size pipe or plate of to motor, starter, p	on of centerection, pump sets base plate suitable fig providing. The dulash; 3 m 00mm DI erection, olid shaft p working m to EEF tement, sa of pumps, erection with air bright protection ith main cated dust apacity M MCCBs at to interest apacity M months of the practice. The suitable for the practice of the pr	trifugal pump testing and consistency with coupling to the with coupling to the coupling of the coupling of the coupling of the coupling of the coupling and coupling and the coupling and the coupling and motors. It is the coupling the coupling of the cou	o set with follommissionin/SS impellering, coupling the pump and undation incides as follows as follows as follows at the commissioning the pump and the commissioning provided etc. comple as providing and comproof commomer and 2 Normal to starter and to starter as providing supplies the commissioning with each ove MCCBs elector switch and intercontal be fitted or and committed to starter as providing supplies the contact of the committed and committed to starter as providing supplies the contact of the contact of the committed and committed to starter as providing supplies the contact of the contact	lowing specing of KWA parts, SS shaft an guard found a motor above luding cost of Discharge & B.4 m, Total and a motor and a motor above load release in the complete of the control parts of suitable and the complete of the	fications. re qualified CI pumpation bolt re the base of cement, andash;7.0 head-128. pre qualification movoltage 41 concrete from the coupling set at a concrete from the coupling set and properties and properties of the coupling set at a concrete from the concrete	ed reputed p casing s& e plate etc., sand and of lps of m, ied reputed for suitable 5 V. The foundation hall be ally ver voltage notor and code of time) e type, floor d consisting y MCCB as able size of ovided with as per IE ne on size XLPE for, ag suitable ble earthing		
	7. Capacitor -Supply, erection, testing and commissioning of heavy duty APP capacitor for the motor to get a power factor above 0.95. The capacitor shall conform to IS 2834 8. Valves- Supply of suitable size best quality heavy duty ISI marked CI double flanged sluice valve and non - return valve with suitable pressure rating. Fitting of valves shall include proper RCC support especially for non - return valves.IN case of positive suction pump set, sluice valve should be in suction as well as delivery sides								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Centrifugal pump set at Morkadu Booster No 2 to Morkadu top GLSR									
	20 HP	40					40.000			
	Total									
	Total Quantity in HP (Horse power)									
11.00 5	OD10139/2022-20)23								



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	trial run and commistioning, 2 year maintanence, factory inspection above									
	Centrifugal pump set at Morkadu Booster 1 to Koovapally									
	20 HP	40					40.000			
	Total									
	Total Quantity in HP (Horse power)									
11.00 6	OD10168/2022-20)23								



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
Sl No	Supply and erection 1. Pump -Supply, make Centrifugal with suitable type nuts etc. complete complete including metal etc. complete Suction Head & not Pumping main - 12. Motor- Supply, make horizontal so for the above pum motor shall confort including cost of cused for coupling 3. Starter- Supply, automatic starter wand under voltage protection relay w practice etc. comp 4. Panel board-(Si Supply, Design, farmounted MS fabrit of 1 No. suitable cout going (the two aluminum bus bar indicator lamps, 1 a common earth be rules and code of psuitable foundation 5. Cabling work- Scables for the above considering energy 6. Earthing- Supply size pipe or plate of to motor, starter, proceeding to the supplementation of the supplementation	on of centre erection, to pump sets base plate suitable fig providir te. The dulash; 3 m, 50mm DI erection, olid shaft p working m to EEF tement, sa of pumps erection with air bright protection with air bright protection in the protection of the protection of the protection of the protection. Supply, erection with air bright protection of the practice. The protection of the practice. The protection of the practice. The protection of the practice of the pract	rifugal pump testing and construction and continued and metal and motors. It is to a single phase contactor and co	set with follommissioning, CSS impellering, coupling the pump and undation incides as follows uction pipe commissioning the ECC squired and the provided etc. completed etc. etc. completed etc. completed etc. completed etc. etc. etc. etc. etc. etc. etc. etc.	owing specific of KWA property, SS shaft and guard found a motor above luding cost of Discharge & 3.4 m, Total and of KWA property of KWA property of the cage induly, working with the cage induly of suitable of suitable of suitable of suitable in a common in inssioning of induly of the carthing round and gift in the carthing in the carthing of th	re qualified CI pumpation bolt to the base of cement, andash;12 head-153 pre qualification movoltage 41 concrete from the coupling serving from with or lay with many set at an of Cubicle anel board le capacite ding suitable set and promote MCCBs base fram suitable set to mother than the coupling set and promote than the coupling set at a set and promote than the coupling set at a set and promote than the coupling set at a set and promote than the coupling set at a set and promote than the coupling set at a set and promote than the coupling set at a set and promote than the coupling set at a set and promote than the coupling set at a set and promote than the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set and promote that the coupling set at a set at a set and promote that the coupling set at a s	ed reputed p casing s& e plate etc., sand and .0 lps, 3.0 m, ied reputed tor suitable 5 V. The foundation hall be ally ver voltage notor and code of a time) e type, floor d consisting y MCCB as able size of ovided with as per IE ne on size XLPE for, ag suitable ole earthing APP		
	capacitor for the motor to get a power factor above 0.95. The capacitor shall conform to IS 2834 8. Valves- Supply of suitable size best quality heavy duty ISI marked CI double flanged sluice valve and non - return valve with suitable pressure rating. Fitting of valves shall include proper RCC support especially for non - return valves.IN case of positive suction pump set, sluice valve should be in suction as well as delivery sides								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Supply and erection of CF pump set from sump at Blind school to Kaippa								
	35 HP	70					70.000		
	Total								
	Total Quantity in HP (Horse power)								
11.00 7	OD10763/2022-20)23					-		



SI No	Specification	No	Length	Width	Depth	Cf	Quantity
SI No	Supply and erection and the suitable type nuts etc. complete complete including metal etc. complete suction Head & not a supply make horizontal suffer the above pure motor shall conform including cost of cused for coupling 3. Starter- Supply automatic starter wand under voltage protection relay was practice etc. computed MS fabrio of 1 No. suitable cout going (the two aluminum bus bar indicator lamps, 1 a common earth burdes and code of suitable foundations. Cabling work-cables for the above considering energy of the motor, starter, processed to motor, processed to motor, processed to motor, processed to motor, proces	on of centre erection, pump sets base plate suitable for g providing te. The dudash; 3 m 00 mm Dierection, olid shaft up working m to EEF cement, sa of pumps, erection with air bright protection icated dusticated dusticated dusticated dusticated dusticated for horizontal protection. Supply, erection. Supply, erection of suitable for the practice. In. Supply, erection of suitable for the practice. In the protection of suitable for the practice of suitable for the practice. In the protection of suitable for the protection of the protection of suitable for the protection of the pro	rifugal pump testing and complete with coupling to with coupling to great the coupling to the coupling to the coupling to the coupling and motors. The coupling and motors and to the coupling	set with follommissionin/SS impellering, coupling the pump and undation incides as follows as follo	owing specific of KWA property	re qualified CI pumpation bolt to the base of cement, and ash;500 head 20 pre qualification movoltage 41 concrete from with or lay with a le capacite ding suitation sui	ed reputed p casing s& e plate etc., sand and l.Olps led reputed stor suitable 5 V. The foundation shall be led to suitable of led to suitable of led to suitable size with the same of led to suitable size of led to suitable led to sui
	for easy repair wo 9. Suction and del quality GI/M.S pij suitable for the ab suitable flanges nu side of pump with If the dia. of suction (rate include pum pipe, foot valve, N	rks ivery pipe pe of thich ove pump at & amp; the valve on pipe is ap,motor,p	e connections kness not less set and conn bolts IR shee s and suitabl above 80mm anel board, s	- Supply and s than 8mm f necting the su ts etc. comple e specials to a, CI pipes ar tater, 10 m ca	I fitting of su or a total len action pipe an lete and conn connect with and specials shable, capacit	itable size gth of 10. nd valve value the necting the nall be proor,10 m s	e best 00m with e delivery ping main. ovided. uction
	trial run and comm						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	centrifugal pump	set at proj	oosed pump	house at Mu	ttom		
	20HP	2				20.000 000	40.000
	Total					40.000	
			Tota	al Quantity i	in HP (Hors	e power)	40.000
	OD10563/2022-20)23					
8	Construction of Transformer with	ansforme Panel boa	r controll roord and require	om and Supp red accessori	ly and erections	on of 400	KVA
	Supply, Erection of 400 KVA Indoor Transformer with panel board and required accessories and construction of transformer control room at Kudayathoor sump.						
		1					1.000
	Total						1.000
				r	Total Quant	ity in set	1.000
12	Power allocation of	harges		W/\			
12.00	OD13488/2022-20)23		640			
1	Power line Extension and Power connection charges to various pump houses, Line extension charges, as per demand from KSEBL. The necessary statutory fees, if any, payable to the Electrical Inspectorate / KSEB					es, Line es, if any,	
	Power connection charges						
	Power connection	3	e-PLATFOR OF PUBLIC	M FOR THE N WORKS	ANAGEMENT		3.000
	Total						3.000
				Т	otal Quanti	ty in L.S	3.000

ABSTRACT ESTIMATE

Jal Jeevan Mission (JJM)-JJM-WSS to Kudayathoor panchayath in Idukki District.-Supply and

Laying Clear Water Pumping Mains, Construction of sump cum pump house, Construction of

GLSR at various

zones, Supply and erection of Pumpsets and Supply and erection of 400 KVA Transfomer-Package I-General Civil Work

Sl No	Specification	Quantity	Rate	Amount		
1	Supply and laying of Clear Water	· Pumping Mai	ns			
1.001	100.98.119					
	Supply of DI K9 Pipe Conforming	Supply of DI K9 Pipe Conforming to IS 8329/2000, 300mm Dia.				
	Net Total	7110.000metr e	@4520.65/metre	32141821.5 0		
1.002	100.98.117	Kozn				
	Supply of DI K9 Pipe Conforming	to IS 8329/2000	, 200mm Dia.			
	Net Total	3366.000metr e	@2589.09/metre	8714876.94		
1.003	100.98.116					
	Supply of DI K9 Pipe Conforming	to IS 8329/2000	, 150mm Dia.			
	Net Total	9129.000metr e	@1890.46/metre	17258009.3 4		
1.004	100.98.115					
	Supply of DI K9 Pipe Conforming	to IS 8329/2000	, 100mm Dia.			
	Net Total	3845.000metr e	@1257.56/metre	4835318.20		
1.005	100.98.457					
	Supply of CI Double Flanged Sluic Valve with Cap PN 1.6, Size 80mm		ming to IS 14846 - 20	000, Sluice		
	Net Total	3.000no	@6624.03/no	19872.09		
1.006	100.98.458					
	Supply of CI Double Flanged Sluic Valve with Cap PN 1.6, Size 100mm	e Valve Conform	ming to IS 14846 - 20	000, Sluice		
	Net Total	4.000no	@9003.95/no	36015.80		
1.007	100.98.460					
	Supply of CI Double Flanged Sluic Valve with Cap PN 1.6, Size 150mm		ming to IS 14846 - 20	000, Sluice		
	Net Total	2.000no	@13396.74/no	26793.48		
1.008	100.98.461					

Sl No	Specification	Quantity	Rate	Amount	
	Supply of CI Double Flanged Sluice Valve with Cap PN 1.6, Size 200mm		ming to IS 14846 - 2	000, Sluice	
	Net Total	4.000no	@23723.64/no	94894.56	
1.009	100.98.440				
	Supply of CI Air Valve, Conforming Orifice Type S1, Size 25mm.	g to IS 14848 -	2000, Single Orifice	, Small	
	Net Total	3.000no	@5636.76/no	16910.28	
1.010	100.98.441				
	Supply of CI Air Valve, Conforming Orifice Type S1, Size 40mm.	g to IS 14848 -	2000, Single Orifice	, Small	
	Net Total	18.000no	@6110.65/no	109991.70	
1.011	100.98.446				
	Supply of CI Air Valve, Conforming Size 50mm.	g to IS 14848 -	2000, Double Orific	e Type DS2,	
	Net Total	6.000no	@7946.98/no	47681.88	
1.012	100.98.436	16323777			
	Supply of CI Air Valve, Conforming Size 80mm.	g to IS 14848 -	2000, Kinetic Air V	alve Type DK,	
	Net Total	2.000no	@11748.57/no	23497.14	
1.013	100.98.429 GPLATI	FORM FOR THE	MANAGEMENT		
	Supply of CI Non Return Valve, Conforming to IS 5312 Part I - 1984, PN 1.6, Size 100mm.				
	Net Total	3.000no	@8668.27/no	26004.81	
1.014	100.98.431				
	Supply of CI Non Return Valve, Conforming to IS 5312 Part I - 1984, PN 1.0, Size 150mm.				
	Net Total	4.000no	@12275.89/no	49103.56	
1.015	100.98.432				
	Supply of CI Non Return Valve, Co. 200mm.	nforming to IS	5312 Part I - 1984, I	PN 1.0, Size	
	Net Total	2.000no	@23526.18/no	47052.36	
1.016	100.98.434				
	Supply of CI Non Return Valve, Conforming to IS 5312 Part I - 1984, PN 1.0, Size 300mm.				
	Net Total	2.000no	@45483.18/no	90966.36	
1.017	100.1.1				
	Excavating trenches of required wid sockets, and dressing of sides, ramm getting out the excavated soil, and the exceeding 20cm in depth, including watering, etc., and disposing of surp	ing of bottoms en returning the consolidating e	, depth up to 1.5m, in the soil as required, in each deposited layer	ncluding layers not by ramming,	

Sl No	Specification	Quantity	Rate	Amount	
	50m, in all kinds of soil.				
	Net Total	13888.140cu m	@579.88/cum	8053454.62	
1.018	100.1.5				
	Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.				
	Net Total	4031.240cum	@842.08/cum	3394626.58	
1.019	100.2.2				
	Excavation work by mechanical me foundation trenches or drains (not e including dressing of sides and ram out the excavated soil and disposal lead of 50m, in Medium Rock when	xceeding 1.5m iming of bottoms of surplus excav	in width or 10m2 on s, lift up to 1.5m, incovated soils as directe	plan), cluding getting	
	Net Total	1410.934cum	@1106.31/cum	1560930.39	
1.020	100.1.13				
	Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Hard Rock where Blasting is Prohibited.				
	Net Total	594.216cum	@1624.47/cum	965286.07	
1.021	100.8.1				
	Fencing one side of trenches, 1.50n tape in vertical casuarina pole (girth				
	Net Total	12000.000met re	@28.84/metre	346080.00	
1.022	100.59.1				
	Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffic diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.				
	Net Total	4428.000metr e	@31.77/metre	140677.56	
1.023	15.43.2				
	Dismantling manually / by mechanimaterial and disposal of unserviceal of Engineer -in-Charge:Bituminous	ble material with			
	Net Total	2212.000sqm	@376.74/sqm	833348.88	

Sl No	Specification	Quantity	Rate	Amount	
1.024	50.2.25.1				
	Filling with contractor's own earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m as per direction of site Engineer-in-charge				
	Net Total	600.000cum	@548.87/cum	329322.00	
1.025	100.14.1				
	Conveying and laying S&S Centrifictor IS: 8329 excluding cost of pipes K-9 Pipes.				
	Net Total	3770.000metr e	@61.40/metre	231478.00	
1.026	100.14.2				
	Conveying and laying S&S Centrift to IS: 8329 excluding cost of pipes K-9 Pipes.	agally Cast (Spuand specials: 15	un) / Ductile Iron Pip 50mm diameter Duct	es conforming ile Iron Class	
	Net Total	8950.000metr e	@91.51/metre	819014.50	
1.027	100.14.3				
	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes corto IS: 8329 excluding cost of pipes and specials: 200mm diameter Ductile Iron K-9 Pipes.				
	Net Total	3300.000metr e	@127.49/metre	420717.00	
1.028	100.14.5				
	Conveying and laying S&S Centrift to IS: 8329 excluding cost of pipes K-9 Pipes.				
	Net Total	6980.000metr e	@214.16/metre	1494836.80	
1.029	18.68.1				
	Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS: 9523:Upt 600 mm dia				
	Net Total	207.800quinta 1	@21003.05/quint al	4364433.79	
1.030	18.70.1				
	Providing push - on-joints to Centri Pipes including testing of joints and pipes				
	Net Total	720.000joint	@112.62/joint	81086.40	
1.031	18.70.2				
	Providing push - on-joints to Centri Pipes including testing of joints and				

Sl No	Specification	Quantity	Rate	Amount
	pipes			
	Net Total	1680.000joint	@184.10/joint	309288.00
1.032	18.70.3			
	Providing push - on-joints to Centri Pipes including testing of joints and pipes			
	Net Total	620.000joint	@270.11/joint	167468.20
1.033	18.70.5			
	Providing push - on-joints to Centri Pipes including testing of joints and pipe	fugally (Spun) (lincluding the c	Cast Iron Pipes or Ducost of rubber gasket:	uctile Iron 300 mm dia
	Net Total	1300.000joint	@430.66/joint	559858.00
1.034	18.30.2			
	Providing flanged joints to double f testing of joints:100 mm diameter p		pipes and specials, i	ncluding
	Net Total	35.000no	@325.59/no	11395.65
1.035	18.30.4	A STANFORD		
	Providing flanged joints to double f testing of joints:150 mm diameter p			including
	Net Total	30.000no	@402.30/no	12069.00
1.036	18.30.5	BLIC WORKS		
	Providing flanged joints to double f testing of joints:200 mm diameter p		pipes and specials, i	including
	Net Total	25.000no	@436.82/no	10920.50
1.037	18.30.7			
	Providing flanged joints to double f testing of joints:300 mm diameter p		pipes and specials, i	including
	Net Total	22.000no	@603.77/no	13282.94
1.038	OD24793/2022-2023			
	Labour for cutting D.I. pipe with sta 100 mm diameter D.I. pipe	eel saw.		
	Net Total	80.000Each Cut	@179.40/Each Cut	14352.00
1.039	OD24816/2022-2023			
	Labour for cutting D.I. pipe with sto 150 mm diameter D.I. pipe	eel saw.		
	Net Total	150.000Each Cut	@337.10/Each Cut	50565.00
1.040	OD24826/2022-2023			
	Labour for cutting D.I. pipe with sta 200 mm diameter D.I. pipe	eel saw.		
	Net Total	70.000Each Cut	@449.61/Each Cut	31472.70

Sl No	Specification	Quantity	Rate	Amount
1.041	OD24836/2022-2023			
	Labour for cutting D.I. pipe with ste 300 mm diameter D.I. pipe	eel saw.		
	Net Total	100.000Each Cut	@671.63/Each Cut	67163.00
1.042	100.35.1			
	Testing 100mm DI/CI pipeline with potable water to the required test pressure 100 mm dia			
	Net Total	3860.000metr e	@24.36/metre	94029.60
1.043	100.35.2			
	Testing 150mm DI/CI pipeline with 150 mm dia Observed Data derived from item n	-		ressure
	Net Total	9300.000metr e	@32.86/metre	305598.00
1.044	100.35.3			
	Testing 200mm DI/CI pipeline with potable water to the required test pressure 200 mm dia Observed Data derived from item no.1020 of PHED DATA			
	Net Total	3390.000metr e	@41.66/metre	141227.40
1.045	100.35.5			
	Testing 300mm DI/CI pipeline with 300 mm dia Observed Data derived from item no	-		ressure.
	Net Total	7130.000metr e	@57.78/metre	411971.40
1.046	100.32.1			
	Conveying and fixing C. I. Single A nuts, rubber insertions etc., complet if required, will be paid separately):	e, but excluding	g the cost of air valve	
	Net Total	3.000no	@146.63/no	439.89
1.047	100.32.2			
	Conveying and fixing C. I. Single A nuts, rubber insertions etc., complet if required, will be paid separately):	e, but excluding	g the cost of air valve	
	Net Total	18.000no	@184.44/no	3319.92
1.048	100.32.3			
	Conveying and fixing C. I. Double nuts, rubber insertions etc., complet if required, will be paid separately):	e, but excluding	g the cost of air valve	

Sl No	Specification	Quantity	Rate	Amount	
	Net Total	6.000no	@229.21/no	1375.26	
1.049	100.32.4				
	Conveying and fixing C. I. Double Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 80mm Double Acting Air Valve.				
	Net Total	2.000no	@229.21/no	458.42	
1.050	100.31.1.1				
	Conveying and fixing C.I. sluice va insertions etc., complete, but exclud will be paid separately): 80mm dian	ling the cost of	by providing bolts, r the valve (tail pieces	nuts, rubber , if required,	
	Net Total	3.000no	@613.80/no	1841.40	
1.051	100.31.1.2				
	Conveying and fixing C.I. sluice va insertions etc., complete, but exclud will be paid separately): 100mm dia	ling the cost of	by providing bolts, r the valve (tail pieces	nuts, rubber , if required,	
	Net Total	7.000no	@925.37/no	6477.59	
1.052	100.31.1.4	400			
	Conveying and fixing C.I. sluice vainsertions etc., complete, but excluding will be paid separately): 150mm dia	ling the cost of	by providing bolts, r the valve (tail pieces	nuts, rubber , if required,	
	Net Total	6.000no	@1253.32/no	7519.92	
1.053	100.31.1.5				
	Conveying and fixing C.I. sluice vainsertions etc., complete, but excluding will be paid separately): 200mm dia	ling the cost of	by providing bolts, r the valve (tail pieces	nuts, rubber , if required,	
	Net Total	6.000no	@1625.85/no	9755.10	
1.054	100.31.1.7				
	Conveying and fixing C.I. sluice vainsertions etc., complete, but excluding will be paid separately): 300mm dia	ling the cost of	by providing bolts, r the valve (tail pieces	nuts, rubber , if required,	
	Net Total	2.000no	@2708.08/no	5416.16	
1.055	100.37.5.1				
	In situ fabrication of M.S. pipes of sincluding cost and conveyance char of painting the steel work with two even shade over an under-coat of pr	ges of M.S. pla or more coat de	te, all fabrication cha luxe multi surface pa	arges, charges	
	Net Total	90.000metre	@4182.35/metre	376411.50	
1.056	100.37.5.2				
	Fabricating M.S. flanges of diameter cost and conveyance charges of M.S. painting the steel work with two or even shade over an under-coat of present the present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over an under-coat of present the steel work with two or even shade over the steel work with two or even shade over the steel work with two or even shade over the steel work with the steel work with two or even shade over the steel work with the steel work with two or even shade over the steel work with the s	S. plate, all fabr more coat delux	ication charges, char se multi surface pain	ges of t to give an	

Sl No	Specification	Quantity	Rate	Amount
	8mm thick M.S. plates.			
	Net Total	20.000no	@1161.73/no	23234.60
1.057	100.37.5.3			
	Cutting 100mm (I.D.) M.S. pipes fo including cost of gas, all labour and fabricated with 8mm thick M.S. plat	hire charges of		
	Net Total	40.000no	@119.81/no	4792.40
1.058	100.37.5.4			
	Welding 100mm (I.D.) M.S. pipes f welding machine including cost of g of tools etc., complete: For pipes fall	gas and welding	grods, all labour and	hire charges
	Net Total	40.000no	@452.90/no	18116.00
1.059	100.37.5.5			
	Grinding cut and weld edges of 100 including all labour and hire charges 8mm thick M.S. plates.			
	Net Total	40.000no	@85.07/no	3402.80
1.060	100.37.6.1			
	In situ fabrication of M.S. pipes of sincluding cost and conveyance chargof painting the steel work with two even shade over an under-coat of production.	ges o <mark>f M</mark> .S. pla or more coat de	te, all fabrication cha luxe multi surface pa	rges, charges
	Net Total	350.000metre	@5174.49/metre	1811071.50
1.061	100.37.6.2			
	Fabricating M.S. flanges of diamete cost and conveyance charges of M.S painting the steel work with two or even shade over an under-coat of problem thick M.S. plates.	S. plate, all fabr more coat delux	ication charges, char se multi surface pain	ges of t to give an
	Net Total	30.000no	@1544.03/no	46320.90
1.062	100.37.6.3			
	Cutting 150mm (I.D.) M.S. pipes fo including cost of gas, all labour and fabricated with 8mm thick M.S. plat	hire charges of		
	Net Total	60.000no	@171.45/no	10287.00
1.063	100.37.6.4			
	Welding 150mm (I.D.) M.S. pipes f welding machine including cost of g of tools etc., complete: For pipes fal	gas and welding	grods, all labour and	hire charges
	Net Total	60.000no	@648.09/no	38885.40
1.064	100.37.6.5			
	Grinding cut and weld edges of 150	mm (I.D.) M.S.	pipes during fabrica	tion work

Sl No	Specification	Quantity	Rate	Amount	
	including all labour and hire charge 8mm thick M.S. plates.	s of tools etc., c	omplete: For pipes f	abricated with	
	Net Total	60.000no	@121.73/no	7303.80	
1.065	100.37.7.1				
	In situ fabrication of M.S. pipes of size 200mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.				
	Net Total	90.000metre	@6165.53/metre	554897.70	
1.066	100.37.7.2				
	Fabricating M.S. flanges of diameter cost and conveyance charges of M.S. painting the steel work with two or even shade over an under-coat of problem thick M.S. plates.	S. plate, all fabr more coat delux	ication charges, char se multi surface pain	ges of t to give an	
	Net Total	20.000no	@2081.10/no	41622.00	
1.067	100.37.7.3				
	Cutting 200mm (I.D.) M.S. pipes for including cost of gas, all labour and fabricated with 8mm thick M.S. pla	hire charges of			
	Net Total	40.000no	@223.11/no	8924.40	
1.068	Welding 200mm (I.D.) M.S. pipes for welding machine including cost of gof tools etc., complete: For pipes fall Net Total	gas and welding	rods, all labour and	hire charges	
1.069	100.37.7.5				
	Grinding cut and weld edges of 200 including all labour and hire charge 8mm thick M.S. plates.	mm (I.D.) M.S. s of tools etc., c	pipes during fabrica omplete: For pipes f	ation work abricated with	
	Net Total	40.000no	@158.40/no	6336.00	
1.070	100.37.9.1				
	In situ fabrication of M.S. pipes of sincluding cost and conveyance char of painting the steel work with two even shade over an under-coat of pr	ges of M.S. plat or more coat de imer etc., comp	te, all fabrication cha luxe multi surface pa lete.	arges, charges aint to give an	
	Net Total	150.000metre	@8154.17/metre	1223125.50	
1.071	Fabricating M.S. flanges of diameter 300mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.				

Sl No	Specification	Quantity	Rate	Amount	
	Net Total	30.000no	@3012.19/no	90365.70	
1.072	100.37.9.3				
	Cutting 300mm (I.D.) M.S. pipes for making bends and other specials by gas cuttir including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.				
	Net Total	60.000no	@326.40/no	19584.00	
1.073	100.37.9.4				
	Welding 300mm (I.D.) M.S. pipes f welding machine including cost of g of tools etc., complete: For pipes fab	gas and welding pricated with 8r	g rods, all labour and mm thick M.S. plates	hire charges	
	Net Total	60.000no	@1233.75/no	74025.00	
1.074	100.37.9.5				
	Grinding cut and weld edges of 300 including all labour and hire charges 8mm thick M.S. plates.				
	Net Total	60.000no	@231.74/no	13904.40	
1.075	2.8.1	4000			
	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil				
	Net Total	243.000cum	@309.99/cum	75327.57	
1.076	4.1.5				
	Providing and laying in position cent cost of centering and shuttering - Al coarse sand : 6 graded stone aggregation	l work up to pli	inth level:1:3:6 (1 ce	eluding the ment : 3	
	Net Total	76.050cum	@7690.32/cum	584848.84	
1.077	5.1.3				
	Providing and laying in position spe excluding the cost of centering, shut to plinth level:1:2:4 (1 cement : 2 conominal size)	tering, finishin	g and reinforcement	- All work up	
	Net Total	340.000cum	@8964.75/cum	3048015.00	
1.078	5.1.2				
	Providing and laying in position spe excluding the cost of centering, shut to plinth level:1:1:5:3 (1 cement 1.5 nominal size	tering, finishin	g and reinforcement	- All work up	
	Net Total	91.350cum	@9483.13/cum	866283.93	
1.079	5.22.4				
	Steel reinforcement for R.C.C work	including strai	ghtening, cutting, be	nding, placing	

Sl No	Specification	Quantity	Rate	Amount
	in position and binding all complete	upto plinth lev	elHot rolled deforme	ed bars
	Net Total	34508.000kil ogram	@102.61/kilogra m	3540865.88
1.080	4.3.1			
	Centering and shuttering including for:Foundations, footings, bases for		ing etc. and removal	of form work
	Net Total	2152.000sqm	@350.00/sqm	753200.00
			Heading Total(Rs)	102086252. 26
2	Road restoration works(MORTH			
2.001	3.6			
	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m			
	Net Total	3520.000cum	@48.79/cum	171740.80
2.002	4.1.B.2	Although		
	Construction of granular sub-base b layers with a motor grader on a prep rotavator at OMC, and compacting density, complete as per clause 401 Mix in Place Method	par <mark>ed su</mark> rface, m with a vibratory	nixing by mix in-place roller to achieve the	e method with desired
	Net Total	1320.000cum	@3356.67/cum	4430804.40
2.003	4.12			
	Providing, laying, spreading and co Macadam specification including pr mechanical mix plant carriage of m layers with paver in sub- base / base with vibratory roller to achieve the	remixing the Ma ixed Material by e course on well desired density.	aterial with water at of the street of the street to site, laying prepared surface and sur	OMC in g in uniform d compacting
2.004	Net Total	1320.000cum	@3375.91/cum	4456201.20
2.004	5.1.a Providing and applying primer coat with bitumen emulsion (SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means.			
	Net Total	20800.000sq m	@73.49/sqm	1528592.00
2.005	5.2.a			
	Providing and applying tack coat with bitumen emulsion (RS) using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.			
	Net Total	15000.000sq m	@11.95/sqm	179250.00
2.006	5.3.2.a			

Sl No	Specification	Quantity	Rate	Amount	
	Providing and laying bituminous macadam with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with a bituminous binder (VG 30), transported to the site, laid over a previously prepared surface with paver finisher to the required grade, level, and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction For Grading II - (19 mm nominal size)				
	Net Total	180.000cum	@8758.31/cum	1576495.80	
2.007	5.6.1.a				
	Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with a bituminous binder(NRMB) @ 5.2 percent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects For Grading - I (19 mm nominal size)				
	Net Total	450.000cum	@13072.20/cum	5882490.00	
2.008	OD5369/2022-2023	TAGATA			
	Taking out existing CC interlocking including removal of rubbish etc., d ground, for which payment shall be material within 50 metre lead as per	isposal of unser made separatel	rviceable material to y and stacking of ser	the dumping	
	Net Total	300.000sqm	@85.05/sqm	25515.00	
2.009	Laying old cement concrete interloc required line, level, curvature, color compacted bed of coarse sand, filling the direction of Engineer-in-charged department free of cost.)	ar and pattern of ng the joints wit	ver and including 50 th fine sand etc. all co	mm thick omplete as per	
	Net Total	300.000sqm	@414.94/sqm	124482.00	
			Heading Total(Rs)	18375571.2 0	
3	Road restoration charges (DAR C	CIVIL)			
3.001	4.1.3				
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)				
	Net Total	400.000cum	@8340.91/cum	3336364.00	
			Heading Total(Rs)	3336364.00	
4	Road restoration charges to be re	mitted to other	r agencies		
4.001	OD5391/2022-2023				
	Road restoration charges for Berm (N0.59/2020/PWD dated	cutting as per 30	0.07.2020G.O(Ms)		

Sl No	Specification	Quantity	Rate	Amount
	Net Total	3000.000sqm	@304.96/sqm	914880.00
			Heading Total(Rs)	914880.00
5	Construction of Sump cum pump	house at Blind	l school	
5.001	2.33.2			
	Felling trees of the girth (measured cutting of trunks and branches, rem material and disposal of unserviceal including 120 cm girth	oving the roots ble material.Bey	and stacking of serv yound 60 cm girth up	riceable to and
	Net Total	2.000each	@2081.82/each	4163.64
5.002	2.6.1			
	Earth work in excavation by mecha over areas (exceeding 30 cm in dep including disposal of excavated ear earth to be levelled and neatly dress	th, 1.5 m in wid th, lead up to 50	ith as well as 10 sqm of m and lift up to 1.5	on plan)
	Net Total	162.000cum	@223.41/cum	36192.42
5.003	OD25794/2022-2023	JA@ALL		
	Earth work in excavation by mecha over areas (exceeding 30 cm in dep including disposal of excavated ear earth to be levelled and neatly dress	th, <mark>1.5 m</mark> in wid th, lead up to 50	th as well as 10 sqm of m and lift up to 1.5	on plan)
	Net Total	162.000cum	@334.44/cum	54179.28
5.004	OD25795/2022-2023	BUL WORKS		
	Earth work in excavation by mecha over areas (exceeding 30 cm in dep including disposal of excavated ear earth to be levelled and neatly dress	th, 1.5 m in wid th, lead up to 50	th as well as 10 sqm of m and lift up to 1.5	on plan)
	Net Total	108.000cum	@445.49/cum	48112.92
5.005	2.8.1			
	Earth work in excavation by mecha in foundation trenches or drains (no including dressing of sides and ram getting out the excavated soil and d within a lead of 50 m.All kinds of s	t exceeding 1.5 ming of bottom isposal of surpl	m in width or 10 squas, lift up to 1.5 m, in	m on plan), cluding
	Net Total	24.912cum	@309.99/cum	7722.47
5.006	100.7.1			
	Bailing out water with 5HP engine erecting, dismantling and taking baand other stores pay of staff etc., co	ck of engine and		
	Net Total	117.750Kwh	@38.55/Kwh	4539.26
5.007	7.1.1			
	Random rubble masonry with hard up with cement concrete 1:6:12 (1 of 20 mm nominal size) up to plinth le	ement: 6 coars	se sand : 12 graded st	one aggregate

DOWEL BARS - Supplying and providing MS dowel bars of size 16 mm of long (1m in rock and 1m in concrete) including drilling holes of to a depth of 1m in rock and filling the gap with cement grout (0. etc complete. Net Total 200.000no @371.68/no	Sl No	Specification	Quantity	Rate	Amount
DOWEL BARS - Supplying and providing MS dowel bars of size 16 mm of long (1m in rock and 1m in concrete) including drilling holes of to a depth of 1m in rock and filling the gap with cement grout (0. etc complete. Net Total 200.000no @371.68/no		sand)			-
DOWEL BARS - Supplying and providing MS dowel bars of size 16 mm of long (1m in rock and 1m in concrete) including drilling holes of to a depth of 1m in rock and filling the gap with cement grout(0. etc complete. Net Total 200.000no @371.68/no 5.009 4.1.3 Providing and laying in position cement concrete of specified grade excludicost of centering and shuttering - All work up to plinth level:1:2:4 (cement sand (zone-III): 4 graded stone aggregate 20 mm nominal size) Net Total 20.170cum @8340.91/cum 5.010 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 of concrete, improve workability without impairing strength and durability 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 rec separately.All work upto plinth level Net Total 30.543cum @9825.93/cum 5.011 5.33.2 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 of concrete, improve workability without impairing strength and durability 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 reseparately.All work above plinth level upto floor V level Net Total 94.205cum @11550.42/cum 1 5.012 5.34.1 Extra for providing richer mixes at all floor levels. Note:- Excess/less ceme specified cement content use		Net Total	26.218cum	@7520.38/cum	197169.32
long (1m in rock and 1m in concrete) including drilling holes of (10 a depth of 1m in rock and filling the gap with cement grout(0. etc complete. Net Total 200.000no @371.68/no 5.009 4.1.3 Providing and laying in position cement concrete of specified grade excludicost of centering and shuttering - All work up to plinth level: 1:2:4 (cement sand (zone-III): 4 graded stone aggregate 20 mm nominal size) Net Total 20.170cum @8340.91/cum 5.010 5.33.1 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cement 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, retarn of concrete, improve workability without impairing strength and durability 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 receptate. Net Total 30.543cum @9825.93/cum 5.011 5.33.2 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cement as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, incondimixtures in recommended proportions as per IS: 9103 to accelerate, retarn of concrete, improve workability without impairing strength and durability direction of Engineer - in-charge. Note:- Cement content considered in this 330 kg/ cum. Excess or less cement used as per IS: 9103 to accelerate, retarn of concrete, improve workability without impairing strength and durability direction of Engineer sorting strength and durability 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 receptate. Providing pro	5.008	OD7798/2022-2023			
Solution		long (1m in rock and 1m it to a depth of 1m in rock and filling it	in concrete) ind	cluding drilling holes	s of 20mm dia
Providing and laying in position cement concrete of specified grade excludicost of centering and shuttering - All work up to plinth level:1:2:4 (cement sand (zone-III): 4 graded stone aggregate 20 mm nominal size) Net Total 20.170cum @8340.91/cum 5.010 5.33.1 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cement as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, incommended proportions as per IS: 9103 to accelerate, retart of concrete, improve workability without impairing strength and durability 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 receptate. All work upto plinth level Net Total 30.543cum @9825.93/cum 5.011 5.33.2 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cement as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, incommended proportions as per IS: 9103 to accelerate, retart of concrete, improve workability without impairing strength and durability 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 reseparately. All work above plinth level upto floor V level Net Total 94.205cum @11550.42/cum 1 5.012 5.34.1 Extra for providing richer mixes at all floor levels. Note:- Excess/less cemes specified cement content used is payable/ recoverable separately. Providing grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content in M-30 is @ 340 kg/cum). Net Total 124.748cum @85.68/cum		Net Total	200.000no	@371.68/no	74336.00
cost of centering and shuttering - All work up to plinth level:1:2:4 (cement sand (zone-III): 4 graded stone aggregate 20 mm nominal size) Net Total 20.170cum @8340.91/cum 5.010 5.33.1 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cemer 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, retarn of concrete, improve workability without impairing strength and durability 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 receptately. All work upto plinth level Net Total 30.543cum @9825.93/cum 5.011 5.33.2 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cemera seper 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, retarn of concrete, improve workability without impairing strength and durability 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 above plinth level upto floor V level Net Total 94.205cum @11550.42/cum 1 5.012 5.34.1 Extra for providing richer mixes at all floor levels. Note:- Excess/less ceme specified cement content used is payable/ recoverable separately. Providing grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content content in M-30 is @340 kg/cum). Net Total 124.748cum @85.68/cum	5.009	4.1.3			
Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cemer as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, incommended proportions as per IS: 9103 to accelerate, retarn of concrete, improve workability without impairing strength and durability 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 received as per design mix is payable or received and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cemeras per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, incommended proportions as per IS: 9103 to accelerate, retarn of concrete, improve workability without impairing strength and durability 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 received as per design mix is payable or received and proportions and proportions are proportions as per IS: 9103 to accelerate, retarn of concrete, improve workability without impairing strength and durability 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 received as per design mix is payabl		cost of centering and shuttering - Al	ll work up to pl	inth level:1:2:4 (cem	
Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cement 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, retarn of concrete, improve workability without impairing strength and durability 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 receptately. All work upto plinth level Net Total 30.543cum @9825.93/cum 5.011 5.33.2 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cement 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, retarn of concrete, improve workability without impairing strength and durability 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 receptated by the content content considered in this 330 kg/ cum. Excess or less cement used as per design mix is payable or receptately. All work above plinth level upto floor V level Net Total 94.205cum @11550.42/cum 1 5.012 5.34.1 Extra for providing richer mixes at all floor levels. Note:- Excess/less cement specified cement content used is payable/ recoverable separately. Providing grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content in M-30 is @ 340 kg/cum). Net Total 124.748cum @85.68/cum		Net Total	20.170cum	@8340.91/cum	168236.15
25 grade cement concrete for reinforced cement concrete work, using cement 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, retard of concrete, improve workability without impairing strength and durability 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 receptately. All work upto plinth level Net Total 30.543cum @9825.93/cum 5.011 5.33.2 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cement as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, incommended proportions as per IS: 9103 to accelerate, retard of concrete, improve workability without impairing strength and durability 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 receptately. All work above plinth level upto floor V level Net Total 94.205cum @11550.42/cum 1 5.012 5.34.1 Extra for providing richer mixes at all floor levels. Note:- Excess/less cement specified cement content used is payable/ recoverable separately. Providing grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content in M-30 is @ 340 kg/cum). Net Total 124.748cum @85.68/cum	5.010	5.33.1			
5.011 5.33.2 Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cemera as per approved design mix, including pumping of concrete to site of laying excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard of concrete, improve workability without impairing strength and durability 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 received as per design mix is p		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			
Providing and laying in position machine batched and machine mixed desig 25 grade cement concrete for reinforced cement concrete work, using cemeras 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 grade concrete, in centering, shuttering, finishing and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including pumping of concrete to site of laying excluding strength and reinforcement, including str		Net Total	30.543cum	@9825.93/cum	300113.38
25 grade cement concrete for reinforced cement concrete work, using cemeras 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 admixtures in recommended proportions as per IS: 9103 to accelerate, retard of concrete, improve workability without impairing strength and durability 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 received as payable or received as per design mix is payable or received as payable or received as per design mix is payable or received as payable or received as per design mix is payable or received as payable or received as per design mix is payable or received as payable or received as per design mix is payable or received as p	5.011	5.33.2			
5.012 5.34.1 Extra for providing richer mixes at all floor levels. Note:- Excess/less ceme specified cement content used is payable/ recoverable separately. Providing grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content in M-30 is @ 340 kg/cum). Net Total 124.748cum @85.68/cum		25 grade cement concrete for reinfo as per approved design mix, including excluding the cost of centering, shut admixtures in recommended propor of concrete, improve workability wild direction of Engineer - in-charge. N 330 kg/cum. Excess or less cement separately. All work above plinth levels as the concrete of the	rced cement co ng pumping of ttering, finishin tions as per IS: thout impairing ote:- Cement co used as per des yel upto floor V	ncrete work, using concrete to site of lag and reinforcement, 9103 to accelerate, restrength and durabic ontent considered in sign mix is payable of level	ement content aying but including etard setting lity as per this item is @ or recoverable
Extra for providing richer mixes at all floor levels. Note:- Excess/less cemes specified cement content used is payable/ recoverable separately. Providing grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content in M-30 is @ 340 kg/cum). Net Total 124.748cum @85.68/cum	7.012		94.205cum	@11550.42/cum	1088107.32
·		Extra for providing richer mixes at a specified cement content used is pay grade concrete instead of M-25 grad in M-30 is @ 340 kg/cum).	yable/ recoveral le BMC/RMC.	ble separately.Provid (Note:- Cement cont	ling M-30
	5.012	•	144./40CUIII	wos.vo/culli	10000.41
Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete					

Sl No	Specification	Quantity	Rate	Amount	
	Net Total	36.135sqm	@350.00/sqm	12647.25	
5.014	5.9.2				
	Centering and shuttering including strutting, etc. and removal of form for:Wal thickness) including attached pilasters, butteresses, plinth and string courses etc.				
	Net Total	378.200sqm	@748.62/sqm	283128.08	
5.015	5.9.5				
	Centering and shuttering including s beams, plinth beams, girders bressur	strutting, etc. armers and cantil	nd removal of form form	or:Lintels,	
	Net Total	69.285sqm	@678.27/sqm	46993.94	
5.016	5.9.3				
	Centering and shuttering including s floors, roofs, landings, balconies and			or:Suspended	
	Net Total	230.220sqm	@851.49/sqm	196030.03	
5.017	5.22.6	10			
	Steel reinforcement for R.C.C work in position and binding all complete bars of grade Fe-500D or more	including straig upto plinth lev	ghtening, cutting, be elThermo - Mechani	nding, placing cally Treated	
	Net Total	1 <mark>7464.</mark> 720kil ogram	@102.61/kilogra m	1792054.92	
5.018	50.6.1.2	FORM FOR THE	MANAGEMENT		
	Solid block masonry using pre cast sor nearest available size confirming floor two level thickness 20cm and a complete.	to IS 2185 part	I of 1979 for super	structure up to	
	Net Total	46.333cum	@6748.20/cum	312664.35	
5.019	13.7.1				
	12 mm cement plaster finished with cement : 3 fine sand)	a floating coat	of neat cement of m	ix:1:3 (1	
	Net Total	1576.710sqm	@418.80/sqm	660326.15	
5.020	22.23.1				
	Providing and applying integral crys waterproofing treatment to the RCC water tanks, roof slabs, podiums, research / subway and bridge deck etc., preparentegral crystalline slurry: 2 parts was ame from negative (internal) side was shall meet the requirements as specing permeability of concrete by more that DIN 1048 and resistant to 16 bar hydrystalline slurry shall be capable of self-healing shall be carried out all complete as pengineerin-	structures like servior, sewage ared by mixing ater) for vertica ater) for horizor with the help of fied in ACI-212 an 90% comparadrostatic pressur-	retaining walls of th & water treatment p in the ratio of 5 : 2 (all surfaces and 3 : 1 and surfaces and app synthetic fiber brush 2-3R-2010 i.e by red red with control concire on negative side.	e basement, clant, tunnels 5 parts (3 parts lying the a. The material ucing crete as per The m. The work	

Sl No	Specification	Quantity	Rate	Amount	
	charge. The product performance sheakage. For vertical surface two coal	nall carry guara ats @0.70 kg pe	ntee for 10 years aga er sqm	inst any	
	Net Total	136.000sqm	@595.25/sqm	80954.00	
5.021	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 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 engineerin-				
	charge. The product performance she leakage. For horizontal surface one	nall carry guarai coat @1.10 kg i	ntee for 10 years aga oer sgm.	inst any	
	Net Total	70.000sqm	•	32116.00	
5.022	11.36				
	Providing and fixing I st quality ceramic glazed wall tiles conforming to IS: 156 (thickness to be specified by the manufacturer), of approved make, in all colours shades except burgundy, bottle green, black of any size as approved by Engineer Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement m 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per including pointing in white cement mixed with pigment of matching shade comp				
	Net Total	14.790sqm	@1265.87/sqm	18722.22	
5.023	11.37	-			
	Providing and laying Ceramic glaze specified by the manufacturer), of 1 make, in colours such as White, Ivo cement mortar 1:4 (1 Cement : 4 Cowhite cement and matching pigmen	st quality conforms, Grey, Fume parse sand), include tetc., complete	orming to IS: 15622, Red Brown, laid on luding pointing the jo	of approved 20 mm thick oints with	
5.004	Net Total	3.200sqm	@1138.85/sqm	3644.32	
5.024	Providing and fixing white vitreous W.C. pan) with seat and lid, 10 litre flush pipe, with manually controlled with all fittings and fixtures comple and floors wherever required: W.C. lid	low level white device (handle te, including cu	e P.V.C. flushing cise lever), conforming atting and making go	tern, including to IS: 7231, od the walls	
	Net Total	1.000each	@6463.93/each	6463.93	
5.025	17.7.1				
	Providing and fixing wash basin wi	th C.I. brackets	, 15 mm C.P. brass p	illar taps, 32	

Sl No	Specification	Quantity	Rate	Amount
	mm C.P. brass waste of standard pa cutting and making good the walls v basin size 630x450 mm with a pair	wherever requir	e:White Vitreous Ch	and brackets, ina Wash
	Net Total	1.000each	@3793.77/each	3793.77
5.026	17.32.2			
	Providing and fixing mirror of supe shape and size with plastic moulded thick hard board backing: Rectangu	I frame of appro	oved make and shade	of required with 6 mm
<u></u>	Net Total	1.000each	@1376.39/each	1376.39
5.027	13.43.1			
	Applying one coat of water thinnab manufacture on wall surface: Water	le cement prime thinnable ceme	er of approved brand nt primer	and
	Net Total	952.198sqm	@73.75/sqm	70224.60
5.028	13.60.1			
	Wall painting with acrylic emulsion an even shade:Two or more coats or		ved brand and manuf	facture to give
	Net Total	966.783sqm	@158.06/sqm	152809.72
5.029	13.71			
	Lettering with black Japan pint of a	pp <mark>roved</mark> brand a	and manufacture	
	Net Total	1500.000per Letter per cm height	@5.82/per Letter per cm height	8730.00
5.030	50.9.1.1			
	Providing wood work in frames of of frames, wrought framed and fixed in fasteners of required dia & length (length separately), using good quality Anji	n position with nold fast lugs or	hold fast lugs or with dash fastener shall l	n dash
	Net Total	0.870cum	@110915.63/cu m	96496.60
5.031	50.9.5.1			
	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S pressed butt hinges bright finished of required size with necessary screws. Using Anjili wood/ jack wood 35 mm thick shutters.			
	Net Total	23.880sqm	@4035.72/sqm	96372.99
5.032	13.48.2			
	Finishing with Deluxe Multi surface primer as per manufacturers specific Surface Paint of required shade. Twunder coat of primer applied @ 0.75	cations:Painting to or more coat 5 ltr/10 sqm of a	g wood work with De applied @ 0.90 ltr/10 approved brand and 1	eluxe Multi O sqm over an manufacture
	Net Total	25.980sqm	@160.01/sqm	4157.06
5.033	10.25.2			

Sl No	Specification	Quantity	Rate	Amount	
	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				
	Net Total	250.000kg	@160.93/kg	40232.50	
5.034	10.6.2				
	Supplying and fixing rolling shutter laths, interlocked together through the by end locks, mounted on specially arrangements for inside and outside including the cost of providing and manufactured from high tensile stee 4454 - part 1 and M.S. top cover of mm M.S. laths with 1.20 mm thick	heir entire leng designed pipe s locking with p fixing necessar el wire of adequ required thickn	th and jointed togeth shaft with brackets, s ush and pull operation y 27.5 cm long wire ate strength conform	er at the end ide guides and on complete, springs ing to IS:	
	Net Total	7.500sqm	@3444.71/sqm	25835.33	
5.035	13.48.3	TA OATA			
	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				
	Net Total	18.000sqm	@154.59/sqm	2782.62	
5.036	Providing and laying flanged C.I. S tapers, caps etc., suitable for flange				
	Net Total	2.250quintal	@9660.34/quinta 1	21735.77	
5.037	100.41.34				
	Supplying and fixing Rectangular C (low duty) charges including all cos			with frame	
	Net Total	2.000no	@2920.75/no	5841.50	
5.038	OD8441/2022-2023				
	Supplying and providing water level indicator to the tank using scale fabricated out of 2mm thick MS plate with in the frame work of suitable size MS square tube, 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure, lettering etc complete including all charges for material and labour				
	Net Total	1.000no	@10453.50/no	10453.50	
5.039	100.36.1				
	Filling water with 5000 litre tankers fited in lorry and conveying water from a distance of 5 km (average) to the reservoir site and pumping the water into the reservoir of height not less than 3 m using 5 HP diesel engine pump set, hire for tanker lorry, tools and other appliences and cost of water etc. complete.				
	Net Total	250.000Kilo litre	@190.05/Kilo litre	47512.50	

Sl No	Specification	Quantity	Rate	Amount
5.040	OD26470/2022-2023			
	Water supply and sanitary arrangem	ents		
	Net Total	1.000L.S	@48493.23/L.S	48493.23
			Heading Total(Rs)	6076153.84
6	Construction of 0.80 LL sump and	d pump house	at Morkadu	
6.001	2.33.2			
	Felling trees of the girth (measured cutting of trunks and branches, remomaterial and disposal of unserviceable including 120 cm girth	oving the roots	and stacking of serv	iceable
	Net Total	5.000each	@2081.82/each	10409.10
6.002	2.6.1			
	Earth work in excavation by mechanover areas (exceeding 30 cm in deptincluding disposal of excavated earth to be levelled and neatly dress	th, 1.5 m in wid h, lead up to 50	th as well as 10 sqm om and lift up to 1.5	on plan)
	Net Total	72.250cum	@223.41/cum	16141.37
6.003	2.7.2			
	Earth work in excavation by mechanover areas (exceeding 30 cm in deptincluding disposal of excavated earth to be levelled and neatly dress	th, 1. <mark>5 m</mark> in wid h, lead up to 50	th as well as 10 sqm om and lift up to 1.5	on plan)
	Net Total	36.125cum	@749.05/cum	27059.43
6.004	2.8.1			
	Earth work in excavation by mechanin foundation trenches or drains (no including dressing of sides and ramagetting out the excavated soil and diwithin a lead of 50 m.All kinds of so Net Total	t exceeding 1.5 ming of bottom sposal of surplo	m in width or 10 squ s, lift up to 1.5 m, in	n on plan), cluding
6.005	7.1.1			
3.300	Random rubble masonry with hard sup with cement concrete 1:6:12 (1 c 20 mm nominal size) up to plinth le sand)	ement : 6 coars vel with:Cemer	e sand : 12 graded st nt mortar 1:6 (1 ceme	one aggregate ent : 6 coarse
	Net Total	22.978cum	@7520.38/cum	172803.29
6.006	4.1.3			
	Providing and laying in position cer cost of centering and shuttering - Al sand (zone-III) : 4 graded stone agg	l work up to pli	inth level:1:2:4 (cem	
	Net Total	10.946cum	@8340.91/cum	91299.60

Sl No	Specification	Quantity	Rate	Amount	
	DOWEL BARS - Supplying and providing MS dowel bars of size 16 mm dia of 2m long (1m in rock and 1m in concrete) including drilling holes of 20mm dia to a depth of 1m in rock and filling the gap with cement grout(0.10kg/each) etc complete.				
	Net Total	100.000no	@371.68/no	37168.00	
6.008	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				
	Net Total	13.350cum	@9825.93/cum	131176.17	
6.009	5.33.2				
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level				
	Net Total	42.087cum	@11550.42/cum	486122.53	
6.010	5.34.1				
	Extra for providing richer mixes at specified cement content used is par grade concrete instead of M-25 gradin M-30 is @ 340 kg/cum). Net Total	yable/ recoveral	ble separately.Provid	ling M-30	
6.011	5.9.1	42.000cum	@ 03.00/cum	3007.02	
0.011	Centering and shuttering including for:Foundations, footings, bases of				
	Net Total	11.595sqm	@350.00/sqm	4058.25	
6.012	5.9.2				
	Centering and shuttering including thickness) including attached pilaste				
	Net Total	195.800sqm	@748.62/sqm	146579.80	
6.013	5.9.3				
	Centering and shuttering including floors, roofs, landings, balconies an			or:Suspended	

Sl No	Specification	Quantity	Rate	Amount	
	Net Total	96.520sqm	@851.49/sqm	82185.81	
6.014	5.9.5				
	Centering and shuttering including strutting, etc. and removal of form for:Lintels beams, plinth beams, girders bressumers and cantilevers				
	Net Total	34.690sqm	@678.27/sqm	23529.19	
6.015	5.9.6				
	Centering and shuttering including s Pillars, Piers, Abutments, Posts and	trutting, etc. an Struts	nd removal of form for	or:Columns,	
	Net Total	20.340sqm	@901.45/sqm	18335.49	
6.016	5.22.6				
	Steel reinforcement for R.C.C work in position and binding all complete bars of grade Fe-500D or more				
	Net Total	7761.180kilo gram	@102.61/kilogra m	796374.68	
6.017	50.6.1.2	13.Qd			
	Solid block masonry using pre cast sor nearest available size confirming floor two level thickness 20cm and a complete.	to IS 2185 part	I of 1979 for super s	structure up to	
	Net Total	10.830cum	@6748.20/cum	73083.01	
6.018	13.1.1				
	12 mm cement plaster of mix:1:4 (1	cement: 4 fin	e sand)		
	Net Total	586.000sqm	@327.87/sqm	192131.82	
6.019	22.23.1				
	Providing and applying integral crys waterproofing treatment to the RCC water tanks, roof slabs, podiums, research / subway and bridge deck etc., preparent integral crystalline slurry: 2 parts was ame from negative (internal) side was shall meet the requirements as specific permeability of concrete by more that DIN 1048 and resistant to 16 bar hydrogystalline slurry shall be capable of self-healing shall be carried out all complete as pengineerincharge. The product performance shall eakage. For vertical surface two coa	structures like servior, sewage red by mixing ater) for verticater) for horizon with the help of fied in ACI-212 an 90% compardrostatic pressurer specification all carry guarants @0.70 kg pe	retaining walls of the & water treatment p in the ratio of 5 : 2 (5 al surfaces and 3 : 1 (5 at al surfaces and apply synthetic fiber brush 2-3R-2010 i.e by reduced with control concrete on negative side. To a width of 0.50mm and the direction of the for 10 years against sqm	e basement, lant, tunnels 5 parts 7 parts ying the The material ucing erete as per The The The work The inst any	
	Net Total	28.000sqm	@595.25/sqm	16667.00	
6.020	22.23.2	. 11' '	C1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C	
	Providing and applying integral crys	talline slurry o	t hydrophilic in natu	re tor	

Sl No	Specification	Quantity	Rate	Amount	
	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.				
	Net Total	75.900sqm		34822.92	
6.021	Applying one coat of water thinnab manufacture on wall surface:Water Net Total		nt primer	and 34634.84	
6.022	13.60.1	409.0238qIII	@ /3./3/sqiii	34034.64	
0.022	Wall painting with acrylic emulsion an even shade: Two or more coats or		ved brand and manuf	facture to give	
	Net Total	460.060sqm	@158.06/sqm	72717.08	
6.023	Providing wood work in frames of of frames, wrought framed and fixed it fasteners of required dia & length (length separately), using good quality Anji	n position with hold fast lugs of	hold fast lugs or with dash fastener shall l	h dash	
	Net Total	0.046cum	@110915.63/cu m	5102.12	
6.024	50.9.5.1				
	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S pressed butt hinges bright finished of required size with necessary screws. Using Anjili wood/ jack wood 35 mm thick shutters.				
	Net Total	4.500sqm	@4035.72/sqm	18160.74	
6.025	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.20 mm M.S. laths with 1.20 mm thick top cover				

Sl No	Specification	Quantity	Rate	Amount	
	Net Total	7.500sqm	@3444.71/sqm	25835.33	
6.026	13.48.2				
	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture				
	Net Total	4.500sqm	@160.01/sqm	720.05	
6.027	13.48.3				
	Finishing with Deluxe Multi surface primer as per manufacturers specific Surface Paint to give an even shade over an under coat of primer applied manufacture	cations:Painting . Two or more o	Steel work with De coat applied @ 0.90 l	luxe Multi ltr/10 sqm	
	Net Total	18.000sqm	@154.59/sqm	2782.62	
6.028	10.25.2	Ash.			
	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				
	Net Total	150.000kg	@160.93/kg	24139.50	
6.029	100.41.34	BLIC WORKS			
	Supplying and fixing Rectangular C (low duty) charges including all cos			with frame	
	Net Total	4.000no	@2920.75/no	11683.00	
6.030	13.71				
	Lettering with black Japan pint of a		and manufacture		
	Net Total	1500.000per Letter per cm height	@5.82/per Letter per cm height	8730.00	
6.031	OD5547/2022-2023				
	Supply and Fitting 100 mm Vent co	owl			
	Net Total	4.000no	@3425.49/no	13701.96	
6.032	OD5551/2022-2023				
	Supplying and providing water level of 2mm thick MS plate w tube, 160mm PVC pipe for guiding nylon thread for connecting float an lettering etc complete incl	ith in the frame the float, <br d level indicato luding all charg</br 	work of suitable size >necessary pullie or, painting the entire	e MS square s, suitable structure,	
	Net Total	1.000no	@10453.50/no	10453.50	
6.033	18.26.1				

Sl No	Specification	Quantity	Rate	Amount
	Providing and laying flanged C.I. Stapers, caps etc., suitable for flanged			
	Net Total	1.890quintal	@9660.34/quinta l	18258.04
6.034	100.36.1			
	Filling water with 5000 litre tankers distance of 5 km (average) to the reservoir of height not less than 3 m tanker lorry, tools and other applien	servoir site and using 5 HP die	pumping the water is esel engine pump set	nto the
	Net Total	80.000Kilo litre	@190.05/Kilo litre	15204.00
6.035	100.31.1.4			
	Conveying and fixing C.I. sluice vainsertions etc., complete, but excluding will be paid separately): 150mm dia	ling the cost of		
	Net Total	1.000no	@1253.32/no	1253.32
6.036	100.31.1.5			
	Conveying and fixing C.I. sluice vainsertions etc., complete, but excluding will be paid separately): 200mm dia	ling the cost of	by providing bolts, n the valve (tail pieces	uts, rubber , if required,
	Net Total	1.000no	@1625.85/no	1625.85
6.037	100.98.484	BLIC WORKS	ADD CONTRACT OF	
	Supply of CI Double Flanged Sluice Valve with Hand Wheel PN 1.6, Size	e Valve Confor ze 150mm.	ming to IS 14846 - 2	000, Sluice
	Net Total	1.000no	@13852.05/no	13852.05
6.038	100.98.485			
	Supply of CI Double Flanged Sluice Valve with Hand Wheel PN 1.6, Size		ming to IS 14846 - 2	000, Sluice
	Net Total	1.000no	@24499.52/no	24499.52
			Heading Total(Rs)	2671432.46
7	Construction of 0.3 LL sump and	pump house a	t Morkadu booster	2
7.001	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			
	Net Total	24.000cum	@223.41/cum	5361.84
7.002	2.7.1			
	Earth work in excavation by mechatover areas (exceeding 30 cm in deprincluding disposal of excavated earth to be levelled and neatly dress	th, 1.5 m in wid th, lead up to 50	th as well as 10 sqm m and lift up to 1.5	on plan)
<u> </u>				

Sl No	Specification	Quantity	Rate	Amount		
	Net Total	12.402cum	@433.04/cum	5370.56		
7.003	003 2.8.1					
	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil					
7.004	Net Total	6.480cum	@309.99/cum	2008.74		
7.004	Random rubble masonry with hard s up with cement concrete 1:6:12 (1 co 20 mm nominal size) up to plinth lev sand)	ement: 6 coars	e sand : 12 graded st	one aggregate		
	Net Total	6.480cum	@7520.38/cum	48732.06		
7.005	OD8414/2022-2023	An				
	DOWEL BARS - Supplying and prolong (1m in rock and 1m is to a depth of 1m in rock and filling tetc complete.	n concrete) inc	cluding drilling holes	s of 20mm dia		
	Net Total	40.000no	@371.68/no	14867.20		
7.006	4.1.3					
	Providing and laying in position cent cost of centering and shuttering - Al sand (zone-III) : 4 graded stone aggr	l work up to pli	inth level:1:2:4 (cem			
	Net Total	8.998cum	@8340.91/cum	75051.51		
7.007	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					
	Net Total	9.865cum	@9825.93/cum	96932.80		
7.008	5.33.2					
	Providing and laying in position mad 25 grade cement concrete for reinfor as per approved design mix, includir excluding the cost of centering, shut admixtures in recommended proport of concrete, improve workability with direction of Engineer - in-charge. No 330 kg/ cum. Excess or less cement	rced cement cong pumping of tering, finishingtions as per IS: thout impairing tee:- Cement co	ncrete work, using co concrete to site of la g and reinforcement, 9103 to accelerate, r g strength and durabil content considered in	ement content aying but including etard setting lity as per this item is @		

Sl No	Specification	Quantity	Rate	Amount	
	separately.All work above plinth lev	el upto floor V	level		
	Net Total	24.715cum	@11550.42/cum	285468.63	
7.009	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).				
	Net Total	37.253cum	@85.68/cum	3191.84	
7.010	5.9.1				
	Centering and shuttering including s for:Foundations, footings, bases of				
	Net Total	11.040sqm	@350.00/sqm	3864.00	
7.011	5.9.2				
	Centering and shuttering including s thickness) including attached pilaste				
	Net Total	131.940sqm	@748.62/sqm	98772.92	
7.012	5.9.3	A CONTRACT			
	Centering and shuttering including s floors, roofs, landings, balconies and			or:Suspended	
	Net Total	56.050sqm	@851.49/sqm	47726.01	
7.013	5.9.5	BLIC WORKS			
	Centering and shuttering including s beams, plinth beams, girders bressur			or:Lintels,	
	Net Total	21.570sqm	@678.27/sqm	14630.28	
7.014	5.22.6				
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more				
	Net Total	3460.100kilo gram	@102.61/kilogra m	355040.86	
7.015	50.6.1.2				
	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 complete.				
	Net Total	10.293cum	@6748.20/cum	69459.22	
7.016	13.7.1				
	12 mm cement plaster finished with cement : 3 fine sand)	a floating coat	of neat cement of m	ix:1:3 (1	
	Net Total	379.205sqm	@418.80/sqm	158811.05	
	'		•		

Sl No	Specification	Quantity	Rate	Amount	
	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				
	Net Total		•	28750.58	
7.018	22.23.2	11	•		
	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.				
7.019	Net Total	12.000sqm	@458.80/sqm	5505.60	
7.019	Applying one coat of water thinnab manufacture on wall surface:Water			and	
	Net Total	238.135sqm	@73.75/sqm	17562.46	
7.020	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work Net Total 238.135sqm @158.06/sqm 37639.62			Facture to give 37639.62	
7.021	13.71	<u> </u>	,		
	Lettering with black Japan pint of a	pproved brand	and manufacture		
	Net Total	1500.000per Letter per cm	@5.82/per Letter per cm height	8730.00	

Sl No	Specification	Quantity	Rate	Amount	
		height			
7.022	50.9.1.1				
	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood				
	Net Total	0.230cum	@110915.63/cu m	25510.59	
7.023	50.9.5.1				
	Providing and fixing glazed shutters using 4 mm thick float glass panes is bright finished of required size with 35 mm thick shutters.	including ISI m	arked M.S pressed by	utt hinges	
	Net Total	6.000sqm	@4035.72/sqm	24214.32	
7.024	13.48.2	Ann.			
	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture				
	Net Total	6.000sqm	@160.01/sqm	960.06	
7.025	10.6.2	EODIN FOR THE	MANAGEMENT		
	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.20 mm M.S. laths with 1.20 mm thick top cover				
<u></u>	Net Total	7.500sqm	@3444.71/sqm	25835.33	
7.026	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				
	Net Total	200.000kg	@160.93/kg	32186.00	
7.027	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				

Sl No	Specification	Quantity	Rate	Amount	
	Net Total	18.000sqm	@154.59/sqm	2782.62	
7.028	18.26.1				
	Providing and laying flanged C.I. Standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS: 1538: Upto 300 mm dia				
	Net Total	1.000quintal	@9660.34/quinta l	9660.34	
7.029	100.41.34				
	Supplying and fixing Rectangular C (low duty) charges including all cos	.I. manhole cov t, labour charge	ver 455mm x 610mm es etc., complete.	with frame	
	Net Total	1.000no	@2920.75/no	2920.75	
7.030	OD8439/2022-2023				
	Supplying and providing water level of 2mm thick MS plate witube, 160mm PVC pipe for guiding nylon thread for connecting float an lettering etc complete incl	ith in the frame the float, <br d level indicato</br 	work of suitable size >necessary pullie or, painting the entire es for material and la	e MS square s, suitable structure,	
	Net Total	1.000no	@10453.50/no	10453.50	
7.031	OD8440/2022-2023				
	Supply and Fitting 100 mm Vent co				
7.032	Net Total 100.36.1	1.000no	@3425.49/no	3425.49	
	Filling water with 5000 litre tankers distance of 5 km (average) to the reservoir of height not less than 3 m tanker lorry, tools and other applien	servoir site and using 5 HP die	pumping the water is esel engine pump set	nto the	
	Net Total	30.000Kilo litre	@190.05/Kilo litre	5701.50	
			Heading Total(Rs)	1527128.28	
8	Construction of 1.0 LL capacity st	teel tanks at M	lorkadu top		
8.001	2.1.1				
	Earth work in surface excavation no width as well as 10 sqm on plan inclift up to 1.5 m, disposed soil to be 1	luding disposal	of excavated earth u	p to 50 m and	
	Net Total	27.638sqm	@113.73/sqm	3143.27	
8.002	4.1.3				
	Providing and laying in position cercost of centering and shuttering - Al sand (zone-III) : 4 graded stone agg	l work up to pli	inth level:1:2:4 (cem		
	Net Total	8.438cum	@8340.91/cum	70380.60	
8.003	5.1.3				
	Providing and laying in position spe	ecified grade of	reinforced cement co	oncrete,	

Sl No	Specification	Quantity	Rate	Amount	
	excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)				
	Net Total	3.707cum	@8964.75/cum	33232.33	
8.004	5.9.1				
	Centering and shuttering including for:Foundations, footings, bases of				
	Net Total	16.476sqm	@350.00/sqm	5766.60	
8.005	5.22.6				
	Steel reinforcement for R.C.C work in position and binding all complete bars of grade Fe-500D or more				
	Net Total	444.840kilogr am	@102.61/kilogra m	45645.03	
8.006	OD10217/2022-2023	100	•		
	Supplying, coveying & amp; filling s	sand inside the	olatform for steel tan	k	
	Net Total	10.225cum	@1850.86/cum	18925.04	
8.007	OD7414/2022-2023				
	manufactured steel storage Water T thichness of 0.6 mm, in multiple lay tank and multiple-layered PE sheet/ Tank Shell / Body & Description of the Liner certified and compliant to ISO 9001 with access points, penetrations for drain, high and low water level indiflanged or threaded nozzles, placed of the tank shall be of corrugated G heavy- duty Hot-dip Galvanized tru 5 persons for maintenance and clear cover, on the roof, for operation and be of approved galvanized vermin psuitable vermin-proofing tape or off objects. Covers shall be firmly fixed and nuts. LADDERS: Tanks shall be internally or externally. External roof Hot-dip galvanized Steel construction air gap and overflow requirements a used for the panels shall be a minim hardened. The tank shall have a circulate tanks, at the top, of minimum 2 with clean water prior to being broud dimensions of the Tank shall be of the LIFE: The tanks shall have a design Standard design valve outlet connection) Overflow connection including a maximize the overflow capacity.	rers as required membrane for to material shall be 2000 standar inlets, outlets, ocators. All control to the KWA was alvalume sheet as frame for suning and tank shall maintenance for constructioner material, to do to the top edgice provided with of supports shall on. Tanks shall relative to Effect aum of 12mm signal angle fixed mm thickness. Tanks in diame a life of 50 years of 100mm, in Internal approximation. Internal approximation of the supports of the s	for the capacity and the inner containment of manufactured in a ds. The Tank shall be drains and fittings, over the tanks of the tank with gall have an access has the tank with gall be of the tank with gall be of the tank with gall the tank with gall be of an appropriate comply with relevant tive Capacity. All nutice and hot-dip galvation around the total circums shall be proper the TANK DIMENSION ter and 4.30m in height and the tank with gall around the total circums shall be proper to the tank total circums the tank total circums the total circums the total circums of the tank total circums the total circums of the tank total circums the total circums of the tank total circums of the tan	height of the t liner. The facility e supplied verflow and shall be with DOF: The roof med, with supporting 4-atch with k covers shall e fitted with st and foreign vanized bolts ladders ely designed t spill level, its and bolts nized/Case cumference of ly flushed out NS: The sht DESIGN TIONS:	

Sl No	Specification	Quantity	Rate	Amount
	from the floor of the tank with isola LINERS: Tank liners shall be purpo AS/NZS 4020 (Appendix A)of 200 of compliance to above standards shall liners shall: i) Be factory man from multi-layer PE sheet, certified and duly UV Stabilized. ii) Be of Pl strength, reinforced with woven screenhance tensile strength. The total 1 mm thick. The tensile strength shall and heat sealing strength of 2056 N strengthened with Metallocene enca Metallocene tape shall cover and pr joints to further prevent the ingress positively and continuously attached tank to prevent entry of water from on tanks over 2m in height shall had designed out of nylon (or other matavertical intervals corresponding to the support cords shall be firmly secure on the liner welded joints, and there PROTECTION. The tank structure system using sacrificial magnesium around the tank and the mass of each frequency of five years. The anodes concrete apron with their location movith 10 years guarantee includes she steel #39;, Cost for Poly ethylene in plastics are used for inside coating a items, attachments and accessories I flow nozzles and drain arrangement Charges, Erection Installation and continuously and continuously attached the steel and the	se-designed and 55 and ANSI/NS hall be furnished ufactured to one for potable dring (polyethylene im industrial fall iner material that not be less than v) All the liner apsulating tape who to the top out the runoff from we a continuous erial)cord, around he level of each by eliminate possible to the steel she by eliminate possible anodes. The nucle anodes hall be install have a second anode shall be install have a second shall be install have a second shall be install harked with a support Arricke steel ladder, is, Cost for HDC and Support Arrickes, Cost for HDC and Support Arrickes and Support Arrickes for HDC and Suppor	I manufactured and so SF 61 - 2008, Section of by the manufacture expises piece construction in high water, to (ANS) in multi-layer consists to prevent elong ickness shall be no lear 2266 N (warp) and welded lap joints showelded over the overed material at the edge escrim. vii) Liners so the redge of the circum the roof structure. Vintermediate liner sund the circumference of the circ	n 5 Certificates or of the tanks., fabricated SI/NSF 61) truction for ation and ess than 0.8 2495 N (weft) all be dap. vi) The ges of the liner hall be deference of the iii) All liners apport to of the tank, at ediate liner orevent stress ORROSSION otection ir location replacement ak and Tank steel Alum thfood grade Fabricated ozzles, over
	Net Total	100000.000Li tre	@9.88/Litre	988000.00
			Heading Total(Rs)	1165092.87
	Construction of 1.80 LL capacity	steel tank at K	aippa.	
9.001	2.1.1 Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5m in width as well as 10 sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed:All Kinds of soil Net Total 33.900sqm @113.73/sqm 3855.45			
9.002	4.1.3	• • • • • •		2 3321.10
7.002	Providing and laying in position cercost of centering and shuttering - A sand (zone-III) : 4 graded stone agg	ll work up to pli	inth level:1:2:4 (cem	
	Net Total	9.600cum	@8340.91/cum	80072.74
9.003	5.1.3			
	Providing and laying in position spe	ecified grade of	reinforced cement c	oncrete,

Sl No	Specification	Quantity	Rate	Amount	
	excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)				
	Net Total	4.305cum	@8964.75/cum	38593.25	
9.004	5.9.1				
	Centering and shuttering including for:Foundations, footings, bases of				
	Net Total	19.217sqm	@350.00/sqm	6725.95	
9.005	5.22.6				
	Steel reinforcement for R.C.C work in position and binding all complete bars of grade Fe-500D or more				
	Net Total	516.600kilogr am	@102.61/kilogra m	53008.33	
9.006	OD10242/2022-2023	100			
	Supplying, coveying & amp; filling s	and inside the	platform for steel tan	k	
	Net Total	14.244cum	@1850.86/cum	26363.65	
9.007	OD9517/2022-2023				
	manufactured steel storage Water T thichness of 0.6 mm, in multiple lay tank and multiple-layered PE sheet/ Tank Shell / Body & Dool Water Sheet / Body & B	rers as required membrane for the material shall be a 2000 standar inlets, outlets, ocators. All control to the KWA was alvalume sheet as frame for suppling and tank shall material, to all to the top edge provided with of supports shall relative to Effect the fixed members. Tanks shall relative to Effect the fixed members and fixed members and fixed members and the fixed	for the capacity and the inner containment be manufactured in a ds. The Tank shall be drains and fittings, over the tanks of the tanks of the tanks of the tanks of the tank with gall have an access has a fank COVER: Tank on. Roof ends shall be prevent ingress of due of the tank with gall hot-dip Galvanized all be of an appropriate comply with relevant tive Capacity. All nutize and hot-dip galvard around the total circum the tank of the tank of the tank of the tank of the total circum the total cir	height of the t liner. The facility e supplied verflow and shall be with DOF: The roof med, with supporting 4-atch with k covers shall e fitted with st and foreign vanized bolts ladders ely designed t spill level, at and bolts nized/Case cumference of ly flushed out NS: The pht DESIGN TIONS:	

Sl No	Specification	Quantity	Rate	Amount	
	from the floor of the tank with isola LINERS:Tank liners shall be purpo AS/NZS 4020 (Appendix A)of 200 of compliance to above standards shall liners shall: i) Be factory man from multi-layer PE sheet, certified and duly UV Stabilized. ii) Be of Pl strength, reinforced with woven screnhance tensile strength. The total 1 mm thick. The tensile strength shall and heat sealing strength of 2056 N strengthened with Metallocene enca Metallocene tape shall cover and pr joints to further prevent the ingress positively and continuously attached tank to prevent entry of water from on tanks over 2m in height shall have designed out of nylon (or other matavertical intervals corresponding to the support cords shall be firmly secure on the liner welded joints, and there PROTECTION. The tank structure system using sacrificial magnesium around the tank and the mass of each frequency of five years. The anodes concrete apron with their location must have 10 years guarantee includes she steel #39;, Cost for Poly ethylene in plastics are used for inside coating a items, attachments and accessories I flow nozzles and drain arrangement Charges, Erection Installation and continuousles and drain arrangement charges, Erection Installation and continuousles and drain arrangement charges, Erection Installation and continuousles are used for installation and continuousles and drain arrangement charges, Erection Installation and continuousles are used for installation and continuousles and drain arrangement charges, Erection Installation and continuousles are used for installation and continuousles are used f	se-designed and 5 and ANSI/NS hall be furnished ufactured to one for potable dring (polyethylene im industrial falliner material the not be less that v) All the liner apsulating tape wotect the expose of water into the dot the top outer the runoff from we a continuous erial)cord, around he level of each be do to the steel she by eliminate possible have a secondes. The number of the shall be install have a second shall be install have a second shall be install harked with a substantial steel ladder, is, Cost for HDC ommissioning of the steel ladder, is, Cost for HDC ommissioning of the steel ladder, is, Cost for HDC ommissioning of the steel ladder, is, Cost for HDC ommissioning of the steel ladder, is the steel la	I manufactured and so SF 61 - 2008, Section of by the manufacture expises piece construction in high water, to (ANS) in multi-layer consists to prevent elong ickness shall be no lear 2266 N (warp) and welded lap joints showelded over the overed material at the edge escrim. vii) Liners so the redge of the circum the roof structure. Vintermediate liner sund the circumference of the circ	n 5 Certificates or of the tanks., fabricated SI/NSF 61) truction for ation and ess than 0.8 2495 N (weft) all be dependent of the liner hall be deference of the liner provent stress ORROSSION of the tank, at dediate liner prevent stress ORROSSION of the liner hall be deference of the liner broad that hall be defere	
	Net Total	180000.000Li tre	@9.88/Litre	1778400.00	
1.0			Heading Total(Rs)	1987019.37	
	Construction of 2.20 LL capacity	steel tank at A	doormala.		
10.001	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5m in width as well as 10 sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed: All Kinds of soil Net Total 43.538sqm @113.73/sqm 4951.58				
10.002		<u> </u>	<u>'</u>		
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)				
	Net Total	13.538cum	@8340.91/cum	112919.24	
10.003	5.1.3				
	Providing and laying in position specified grade of reinforced cement concrete,				

Sl No	Specification	Quantity	Rate	Amount	
	excluding the cost of centering, shut to plinth level:1:2:4 (1 cement: 2 c nominal size)				
	Net Total	4.941cum	@8964.75/cum	44294.83	
10.004	5.9.1				
	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete				
	Net Total	21.958sqm	@350.00/sqm	7685.30	
10.005	5.22.6				
	Steel reinforcement for R.C.C work in position and binding all complete bars of grade Fe-500D or more				
	Net Total	600.000kilogr am	@102.61/kilogra m	61566.00	
10.006	OD10245/2022-2023	M	-		
	Supplying, coveying & amp; filling s	and inside the p	olatform for steel tan	K	
	Net Total	18.928cum	@1850.86/cum	35033.08	
10.007	OD9526/2022-2023				
	thichness of 0.6 mm, in multiple lay tank and multiple-layered PE sheet/Tank Shell / Body & Double Tank Shell be of Corrugated Galanged or threaded nozzles, placed of the tank shall be of corrugated Galanged or threaded nozzles, placed of the tank shall be of corrugated Galanged Tank Shell be of approved galvanized true to persons for maintenance and clear cover, on the roof, for operation and be of approved galvanized vermin psuitable vermin-proofing tape or oth objects. Covers shall be firmly fixed and nuts. LADDERS: Tanks shall be internally or externally. External roof Hot-dip galvanized Steel construction air gap and overflow requirements rused for the panels shall be a minim hardened. The tank shall have a circ the tanks, at the top, of minimum 2 to with clean water prior to being bround imensions of the Tank shall be of Tank Shall be of Tank Shall be of Tank Shall be of Tank Shall have a design	membrane for the material shall be a 2000 standard inlets, outlets, decators. All connects to the KWA was alvalume sheet as frame for suppling and tank shall maintenance of the top edge of t	he inner containment be manufactured in a ds. The Tank shall be drains and fittings, over the tanks stater mains TANK RO steel and shall be doroport, and capable of hall have an access has TANK COVER: Tank on. Roof ends shall be prevent ingress of due to the tank with gal a Hot-dip Galvanized I be of an appropriate comply with relevant tive Capacity. All nuze and hot-dip galvand around the total circular and 5.00m in heighter the tank of the tank with gall around the total circular and 5.00m in heighter and 5.00m in heighter and shall be proper the tank between the tank with gall around the total circular and 5.00m in heighter and 5.00m in heighter and the tank shall be proper the tank between	c liner. The facility e supplied erflow and shall be with OOF: The roof med, with supporting 4- atch with k covers shall e fitted with st and foreign vanized bolts ladders ely designed t spill level, ts and bolts mized/Case cumference of ly flushed out NS: The	

Sl No	Specification	Quantity	Rate	Amount
	from the floor of the tank with isola LINERS: Tank liners shall be purpo AS/NZS 4020 (Appendix A)of 200 of compliance to above standards shall liners shall: i) Be factory man from multi-layer PE sheet, certified and duly UV Stabilized. ii) Be of Pl strength, reinforced with woven screenhance tensile strength. The total 1 mm thick. The tensile strength shall and heat sealing strength of 2056 N strengthened with Metallocene enca Metallocene tape shall cover and pr joints to further prevent the ingress positively and continuously attached tank to prevent entry of water from on tanks over 2m in height shall have designed out of nylon (or other matavertical intervals corresponding to the support cords shall be firmly secure on the liner welded joints, and there PROTECTION. The tank structure system using sacrificial magnesium around the tank and the mass of each frequency of five years. The anodes concrete apron with their location metallocene with 10 years guarantee includes she steel #39;, Cost for Poly ethylene in plastics are used for inside coating a items, attachments and accessories liftow nozzles and drain arrangement Charges, Erection Installation and continuously attached the steel and the steel	se-designed and 55 and ANSI/NS hall be furnished ufactured to one for potable dring (polyethylene) im industrial fainer material the not be less that v) All the liner apsulating tape to tect the expose of water into the d to the top oute the runoff from we a continuous erial)cord, arough level of each by eliminate possible by eliminate possible anodes. The nucle anodes hall be install have a second anodes with a support Arricke steel ladder, is, Cost for HDO	d manufactured and so SF 61 - 2008, Section of by the manufacture epiece construction aking water, to (ANS) in multi-layer considered by in multi-layer considered shall be no left at 2266 N (warp) and welded lap joints shall be defended over the overed material at the edge escrim. vii) Liners shall be redge of the circum at the roof structure. Vintermediate liner sund the circumference of the circumferenc	shall comply to a 5 Certificates or of the tanks., fabricated SI/NSF 61) truction for ation and ess than 0.8 2495 N (weft) all be lap. vi) The ges of the liner shall be ference of the iii) All liners apport to of the tank, at rediate liner or event stress ORROSSION of the tank of t
	Net Total	220000.000Li tre	@9.88/Litre	2173600.00
			Heading Total(Rs)	
11	Supply, errection, commissioning arrangements	of clear water	pump sets and Tra	nstormer
11.001	OD10074/2022-2023			
	Supply and erection of centrifugal p 1. Pump -Supply, erection, testing a make Centrifugal pump sets with br with suitable type base plate with co nuts etc. complete suitable for coup complete including providing suitab metal etc. complete. The duty condi Suction Head – 3 m Length Pumping main - 150mm DI K9, 395 2. Motor- Supply, erection, testing make horizontal solid shaft foot mo suitable for the above pump workin	and commission conze/SS impell coupling, couplir ling the pump a ple foundation is as follow of suction pipe 50.0 m. and commissio unted TEFC square control of squared terms.	ing of KWA pre qualer, SS shaft and CI programming guard foundation and motor above the including cost of cember with the shade of the	lified reputed bump casing bolts& base plate etc. ent, sand and n;13.0lps 1 142.0 m, alified reputed motor

Sl No	Specification	Quantity	Rate	Amount
	V. The motor shall conform to EEFI/IS 325 including providing suitable concrete foundation including cost of cement, sand and metal etc. complete. Flexible coupling shall be used for coupling of pumps and motors. 3. Starter- Supply, erection, testing and commissioning of suitable rating fully automatic starter with air break contact suitable for the above motor with over voltage and under voltage protection, single phase preventer, over load relay with motor protection relay with main contactor and bypass contactor as per IE rules and code of practice etc. complete.			
	4. Panel board-(Ŝuitable for operating two pump sets but one pump set at a time) Supply, Design, fabrication, erection, testing and commissioning of Cubicle type, floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable capacity MCCB as incomer and 2 Nos. of suitable capacity MCCB as out going(the two MCCBs are interlocking with each other) providing suitable size aluminum bus bar to interconnect the above MCCBs and fitted with 3 Nos. of indicator lamps, 1 No. volt meter with selector switch etc. complete and provided with a common earth bus for the entire panel and interconnect with the			
	MCCBs as per IE rules and code of practice. The panel shall be fitted on a common base frame on suitable foundation. 5. Cabling work- Supply, erection, testing and commissioning of suitable size XLPE cables for the above pump set panel board to starter and from starter to motor, considering energy conservation 6. Earthing- Supply of all materials and providing suitable earthing by using suitable size pipe or plate earthing GI/copper strip buried in ground and giving double earthing to motor, starter, panel board etc. as per IE standards. 7. Capacitor -Supply, erection, testing and commissioning of heavy duty APP capacitor for the motor to get a power factor above 0.95. The capacitor shall conform			
	to IS 2834 8. Valves- Supply of suitable size b flanged sluice valve and non - returnal valves shall include proper RCC suppositive suction pump set, sluice valves for easy repair works 9. Suction and delivery pipe connect quality GI/M.S pipe of thickness not suitable for the above pump set and suitable flanges nut & Damp; bolts IR side of pump with the valves and sulf the dia. of suction pipe is above & (rate include pump, motor, panel box	n valve with suipport especially live should be in tions- Supply at less than 8mm connecting the sheets etc. compitable specials to 10mm, CI pipes	table pressure rating for non - return valve suction as well as dead fitting of suitable a for a total length of suction pipe and valuplete and connecting o connect with the pand specials shall be	Fitting of ves.IN case of elivery sides size best 10.00m ve with g the delivery umping main. provided.
	pipe, foot valve, NRV, sluice valve, trial run and commistioning, 2 year Net Total		@12773.73/HP	
11.002	OD10014/2022-2023	power)	(Horse power)	
	Supply and erection of centrifugal 1.Pump -Supply, erection, testing at make Centrifugal pump sets with be with suitable type base plate with conuts etc. complete suitable for coup complete including providing suitable	nd commissioni conze/SS impell oupling, couplin ling the pump a	ng of KWA pre qual er, SS shaft and CI p g guard foundation and motor above the	ified reputed bump casing bolts& base plate etc.

Sl No	Specification	Quantity	Rate	Amount
Sl No	metal etc. complete. The duty condi- Suction Head – 3 m Length Pumping main - 200mm DI K9, 32. 2. Motor- Supply, erection, testing make horizontal solid shaft foot mo suitable for the above pump workin V. The motor shall conform to EEF foundation including cost of cemen shall be used for coupling of pumps 3. Starter- Supply, erection, testing automatic starter with air break con and under voltage protection, single protection relay with main contacto practice etc. complete. 4. Panel board-(Suitable for operati Supply, Design, fabrication, erectio floor mounted MS fabricated dust a consisting of 1 No. suitable capacity capacity MCCB as out going(the tw providing suitable size aluminum by with 3 Nos. of indicator lamps, 1 Nand provided with a common earth MCCBs as per IE rules and code of base frame on suitable foundation. 5. Cabling work- Supply, erection, cables for the above pump set panel considering energy conservation 6. Earthing- Supply of all materials size pipe or plate earthing GI/coppe earthing to motor, starter, panel boa 7. Capacitor -Supply, erection, test capacitor for the motor to get a pow to IS 2834 8. Valves- Supply of suitable size b flanged sluice valve and non - retur valves shall include proper RCC su positive suction pump set, sluice va for easy repair works 9. Suction and delivery pipe connect quality GI/M.S pipe of thickness not suitable flanges nut & bolts IR side of pump with the valves and su itable for the above pump; set and suitable flanges nut & bolts IR side of pump with the valves and su if the dia. of suction pipe is above 8 (rate include pump,motor,panel bot pipe,foot valve, NRV, sluice valve, trial run and commistioning, 2 year	ition is as follow of suction pipe 10.0 m. and commission unted TEFC square 3 phase 50 Hz I/IS 325 includit, sand and metas and motors. and commission tact suitable for a phase preventer and bypass configured by MCCB as incompared by MCCB as	vs Discharge – - 3.20 m, Total head ning of KWA pre quairrel cage induction a AC supply, working providing suitable all etc. complete. Flex oning of suitable rational etc. complete rational etc. one pump set of common control particles but one pump set of common control particles and 2 Nos. of son etclocking with each onnect the above MC etc. and intercontant and intercontant and intercontant and from starter to suitable earthing by ground and giving of standards. Estioning of heavy due 0.95. The capacitor of table pressure rating for non - return valvational etc. and fitting of suitable in for a total length of suction pipe and valuate end connect with the pand specials shall be cable, capacitor, 10 in upto valve, earthing the provided earthing the capacitor of the pand specials shall be cable, capacitor, 10 in upto valve, earthing	alified reputed motor g voltage 415 e concrete cible coupling in fully the over voltage the motor es and code of at a time) bicle type, and board uitable the other) in the common of the size XLPE motor, using suitable the nacommon of the size XLPE motor, using suitable the size XLPE motor, using suitable double ty APP shall conform I double ty APP shall conform I double the size Size best 10.00m we with gether delivery sides is the size best 10.00m we with gether delivery umping main. The provided is the suction gether the size to the size to the size best 10.00m we with gether delivery umping main. The provided is the size to the size to the size best 10.00m we with gether delivery umping main. The size to the size best 10.00m we with gether the size best 10.00m we with gether the size best 10.00m, and the size
	Net Total	170.000HP (Horse power)	@13707.56/HP (Horse power)	2330285.20
11.003	OD10116/2022-2023	po ((31))		

Sl No	Specification	Quantity	Rate	Amount
Sl No	Supply and erection of centrifugal processing and the Centrifugal pump sets with brown with suitable type base plate with control etc. complete suitable for coup complete including providing suitable metal etc. complete. The duty conditions and with a complete including providing suitable for couple and a consisting main - 100mm DI K9, 110 and 2. Motor- Supply, erection, testing make horizontal solid shaft foot mosuitable for the above pump working V. The motor shall conform to EEF foundation including cost of cements hall be used for coupling of pumps 3. Starter- Supply, erection, testing automatic starter with air break contains and under voltage protection, single protection relay with main contactor practice etc. complete. 4. Panel board-(Suitable for operation supply, Design, fabrication, erection floor mounted MS fabricated dust a consisting of 1 No. suitable capacity capacity MCCB as out going (the two providing suitable size aluminum but with 3 Nos. of indicator lamps, 1 Notand provided with a common earth MCCBs as per IE rules and code of base frame on suitable foundation. 5. Cabling work- Supply, erection, cables for the above pump set panel considering energy conservation	pump set with for and commission conze/SS impell pupling, coupling ling the pump a pole foundation in tion is as follow of suction pipe 100.0 m. and commission unted TEFC squared and motors. The phase preventer and bypass cound the phase preventer and bypass cound vermin proof y MCCB as incompared to MCCBs are in the practice. The put testing and compared to the put testing and compared to the public testing and compared testing and compared to the public testing and compared to the put testing and compared to the public testing and compared testing at the compared testing at th	ollowing specification of KWA pre qualer, SS shaft and CI program of the property of the prope	ns. lified reputed bump casing bolts& base plate etc. lent, sand and n;6.0 lps 148.0 m, alified reputed motor g voltage 415 e concrete kible coupling fully th over voltage at a time) bicle type, anel board uitable h other) CBs and fitted c. complete mect with the n a common ble size XLPE
	6. Earthing- Supply of all materials size pipe or plate earthing GI/coppe earthing to motor, starter, panel boa 7. Capacitor -Supply, erection, test capacitor for the motor to get a pow to IS 2834 8. Valves- Supply of suitable size be flanged sluice valve and non - return	r strip buried in rd etc. as per IF ing and commister factor above est quality heav	n ground and giving of E standards. ssioning of heavy dur 0.95. The capacitor by duty ISI marked C	double ty APP shall conform
	valves shall include proper RCC suppositive suction pump set, sluice valves for easy repair works 9. Suction and delivery pipe connect quality GI/M.S pipe of thickness not suitable for the above pump set and suitable flanges nut & pump set and suitable flanges nut & pump set and suitable flanges nut amp; bolts IR side of pump with the valves and sulf the dia. of suction pipe is above 8 (rate include pump, motor, panel boat pipe, foot valve, NRV, sluice valve, trial run and commistioning, 2 year	pport especially lve should be in tions- Supply a t less than 8mm connecting the sheets etc. com itable specials to 0mm, CI pipes ard, stater, 10 m pipe connection	of for non - return valve a suction as well as defined fitting of suitable and for a total length of suction pipe and value and connecting to connect with the pand specials shall be cable, capacitor, 10 n upto valve, earthing actory inspection about	ves.IN case of elivery sides size best 10.00m ve with g the delivery numping main. e provided. m suction g, erection,
	Net Total -08 13:55:28.798	(Horse power)	@17241.52/HP (Horse power)	689660.80

Sl No	Specification	Quantity	Rate	Amount	
11.004	OD10130/2022-2023				
	Supply and erection of centrifugal pump set with following specifications. 1. Pump -Supply, erection, testing and commissioning of KWA pre qualified reputed make Centrifugal pump sets with bronze/SS impeller, SS shaft and CI pump casing with suitable type base plate with coupling, coupling guard foundation bolts& nuts etc. complete suitable for coupling the pump and motor above the base plate etc. complete including providing suitable foundation including cost of cement, sand and metal etc. complete. The duty condition is as follows Discharge – 7.0 lps Suction Head – 3 m Length of suction pipe - 3.4 m, Total head-128.0 m, Pumping main - 100mm DI K9, 1350.0 m. 2. Motor- Supply, erection, testing and commissioning of KWA pre qualified reputed make horizontal solid shaft foot mounted TEFC squirrel cage induction motor suitable for the above pump working 3 phase 50 Hz AC supply, working voltage 415 V. The motor shall conform to EEFI/IS 325 including providing suitable concrete foundation including cost of cement, sand and metal etc. complete. Flexible coupling shall be used for coupling of pumps and motors. 3. Starter- Supply, erection, testing and commissioning of suitable rating fully automatic starter with air break contact suitable for the above motor with over voltage and under voltage protection, single phase preventer, over load relay with motor protection relay with main contactor and bypass contactor as per IE rules and code of practice etc. complete.				
	4. Panel board-(Suitable for operating two pump sets but one pump set at a time) Supply, Design, fabrication, erection, testing and commissioning of Cubicle type, floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable capacity MCCB as incomer and 2 Nos. of suitable capacity MCCB as out going(the two MCCBs are interlocking with each other) providing suitable size aluminum bus bar to interconnect the above MCCBs and fitt with 3 Nos. of indicator lamps, 1 No. volt meter with selector switch etc. complete and provided with a common earth bus for the entire panel and interconnect with th MCCBs as per IE rules and code of practice. The panel shall be fitted on a common base frame on suitable foundation.				
	5. Cabling work- Supply, erection, cables for the above pump set panel considering energy conservation 6. Earthing- Supply of all materials size pipe or plate earthing GI/coppe earthing to motor, starter, panel boa 7. Capacitor -Supply, erection, test capacitor for the motor to get a pow	board to starter and providing or strip buried in ord etc. as per IE ing and commis	suitable earthing by ground and giving destandards.	motor, using suitable louble ty APP	
	to IS 2834 8. Valves- Supply of suitable size be flanged sluice valve and non - return valves shall include proper RCC suppositive suction pump set, sluice valve for easy repair works 9. Suction and delivery pipe connections.	est quality heav n valve with sui pport especially lve should be in	y duty ISI marked C table pressure rating for non - return valv suction as well as d	I double . Fitting of ves.IN case of elivery sides	
	quality GI/M.S pipe of thickness no suitable for the above pump set and suitable flanges nut & pump; bolts IR side of pump with the valves and su If the dia. of suction pipe is above 8 (rate include pump, motor, panel box	ot less than 8mm connecting the sheets etc. com titable specials to 80mm, CI pipes	a for a total length of suction pipe and val aplete and connecting to connect with the p and specials shall be	10.00m ve with g the delivery umping main. provided.	

Sl No	Specification	Quantity	Rate	Amount
	pipe,foot valve, NRV, sluice valve, trial run and commistioning, 2 year	pipe connection maintanence, fa	n upto valve, earthing actory inspection abo	g , erection , ove 100 HP.)
	Net Total	40.000HP (Horse power)	@17241.52/HP (Horse power)	689660.80
11.005	OD10139/2022-2023			
	Supply and erection of centrifugal provided provided providing suitable type base plate with consistency and the complete suitable for coup complete including providing suitable metal etc. complete. The duty conditions Suction Head – 3 m, Length Pumping main - 100mm DI K9, 132. Motor- Supply, erection, testing make horizontal solid shaft foot mosuitable for the above pump workin V. The motor shall conform to EEF foundation including cost of cemenshall be used for coupling of pumps 3. Starter- Supply, erection, testing automatic starter with air break con and under voltage protection, single protection relay with main contactor practice etc. complete. 4. Panel board-(Suitable for operate Supply, Design, fabrication, erection floor mounted MS fabricated dust a consisting of 1 No. suitable capacity capacity MCCB as out going (the two providing suitable size aluminum be with 3 Nos. of indicator lamps, 1 Notand provided with a common earth MCCBs as per IE rules and code of base frame on suitable foundation. 5. Cabling work- Supply, erection, cables for the above pump set panel considering energy conservation 6. Earthing- Supply of all materials size pipe or plate earthing GI/coppe earthing to motor, starter, panel boar 7. Capacitor -Supply, erection, test capacitor for the motor to get a pow to IS 2834 8. Valves- Supply of suitable size b flanged sluice valve and non - return valves shall include proper RCC suppositive suction pump set, sluice valves shall include proper RCC suppositive suction pump set, sluice valves or easy repair works 9. Suction and delivery pipe connections.	and commission ronze/SS impell pupling, coupling the pump a pole foundation in ition is as follown of suction pipe 20.0 m. and commission unted TEFC squared gaphase 50 Hz I/IS 325 including the sand and metas and motors. and commission tact suitable for and bypass conting two pump son, testing and condition where the pump son the pump son the sand motors. The pump son the sand providing and commission tact suitable for and bypass conting two pump son testing and condition in the practice. The pump son testing and commission the entire practice. The pump son testing and commission the entire practice. The pump son testing and commission the entire practice is and providing the sand provided the sand pr	ing of KWA pre qualer, SS shaft and CI pure guard foundation in motor above the including cost of cembers. Discharge & dash e - 3.4 m, Total head in ming of KWA pre quairrel cage induction in AC supply, working providing suitable at etc. complete. Flex the above motor with the above motor of common control particles but one pump set to maissioning of Culf common control particles and intercontant and intercontant and intercontant and from starter to suitable earthing by ground and giving of standards. It is significant to the suitable earthing by ground and giving of the standards. The capacitor of the pressure rating for non-return valvation as well as disconting as well as discont	diffied reputed bump casing bolts& base plate etc. ent, sand and n;8.0 lps,-109.0 m, alified reputed motor g voltage 415 e concrete kible coupling ing fully th over voltage ith motor es and code of at a time) bicle type, anel board uitable in other) CCBs and fitted c. complete mect with the n a common ble size XLPE motor, using suitable double ty APP shall conform CI double g. Fitting of ves.IN case of elivery sides

Sl No	Specification	Quantity	Rate	Amount		
	quality GI/M.S pipe of thickness not less than 8mm for a total length of 10.00m suitable for the above pump set and connecting the suction pipe and valve with suitable flanges nut & amp; bolts IR sheets etc. complete and connecting the delivery side of pump with the valves and suitable specials to connect with the pumping main. If the dia. of suction pipe is above 80mm, CI pipes and specials shall be provided.					
	(rate include pump,motor,panel board, stater,10 m cable, capacitor,10 m suction pipe,foot valve, NRV, sluice valve, pipe connection upto valve, earthing, erection, trial run and commistioning, 2 year maintanence, factory inspection above 100 HP.)					
	Net Total	40.000HP (Horse power)	@17241.52/HP (Horse power)	689660.80		
11.006	OD10168/2022-2023					
	Supply and erection of centrifugal processing and the Centrifugal pump sets with brown with suitable type base plate with control etc. complete suitable for coup complete including providing suital metal etc. complete. The duty condition of Suction Head & Mash; 3 m, Length Pumping main - 150mm DI K9, 500. Motor- Supply, erection, testing make horizontal solid shaft foot mosuitable for the above pump working V. The motor shall conform to EEF foundation including cost of cements hall be used for coupling of pumps 3. Starter- Supply, erection, testing automatic starter with air break contain automatic starter with air break contain automatic starter with main contactor practice etc. complete. 4. Panel board-(Suitable for operated Supply, Design, fabrication, erection floor mounted MS fabricated dust a consisting of 1 No. suitable capacity account of the suitable size aluminum browith 3 Nos. of indicator lamps, 1 Notand provided with a common earth MCCBs as per IE rules and code of base frame on suitable foundation. 5. Cabling work- Supply, erection, cables for the above pump set panel considering energy conservation 6. Earthing- Supply of all materials size pipe or plate earthing GI/copperearthing to motor, starter, panel board. Capacitor -Supply, erection, test capacitor for the motor to get a power to get a power capacitor for the motor to get a power capacito	and commission ronze/SS impell oupling, coupling ding the pump a pole foundation in ition is as follown of suction pipe oom. and commission and commission of suction pipe oom. and commission of suction pipe oom. and commission of the suction of suction pipe oom. and commission of the suction of suction of suction pipe oom. TIS 325 including the succession of the suction of the suction of the suction of the succession of the succession of the entire of the e	ing of KWA pre qualer, SS shaft and CI programmer, SS shaft and From State of S	diffied reputed bump casing bolts& base plate etc. eent, sand and n;12.0 lps, -153.0 m, alified reputed motor g voltage 415 e concrete kible coupling fully th over voltage ith motor es and code of at a time) bicle type, anel board uitable th other) CCBs and fitted c. complete meet with the n a common ble size XLPE motor, using suitable double		

Sl No	Specification	Quantity	Rate	Amount	
	to IS 2834 8. Valves- Supply of suitable size best quality heavy duty ISI marked CI double flanged sluice valve and non - return valve with suitable pressure rating. Fitting of valves shall include proper RCC support especially for non - return valves.IN case of positive suction pump set, sluice valve should be in suction as well as delivery sides for easy repair works 9. Suction and delivery pipe connections- Supply and fitting of suitable size best quality GI/M.S pipe of thickness not less than 8mm for a total length of 10.00m suitable for the above pump set and connecting the suction pipe and valve with suitable flanges nut & amp; bolts IR sheets etc. complete and connecting the delivery side of pump with the valves and suitable specials to connect with the pumping main. If the dia. of suction pipe is above 80mm, CI pipes and specials shall be provided. (rate include pump,motor,panel board, stater,10 m cable, capacitor,10 m suction pipe,foot valve, NRV, sluice valve, pipe connection upto valve, earthing, erection, trial run and commistioning, 2 year maintanence, factory inspection above 100 HP.)				
	Net Total	70.000HP (Horse power)	@14050.85/HP (Horse power)	983559.50	
11.007	OD10763/2022-2023	Kom			
	Supply and erection of centrifugal pump set with following specifications. 1. Pump -Supply, erection, testing and commissioning of KWA pre qualified reputed make Centrifugal pump sets with bronze/SS impeller, SS shaft and Cl pump casing with suitable type base plate with coupling, coupling guard foundation bolts& nuts etc. complete suitable for coupling the pump and motor above the base plate etc. complete including providing suitable foundation including cost of cement, sand and metal etc. complete. The duty condition is as follows Discharge –50.0lps Suction Head – 3 m Length of suction pipe - 3.40 m, Total head 20.0 m, Pumping main - 300 mm DI K9, 8650 m. 2. Motor- Supply, erection , testing and commissioning of KWA pre qualified reputed make horizontal solid shaft foot mounted TEFC squirrel cage induction motor suitable for the above pump working 3 phase 50 Hz AC supply, working voltage 415 V. The motor shall conform to EEFI/IS 325 including providing suitable concrete foundation including cost of cement, sand and metal etc. complete. Flexible coupling shall be used for coupling of pumps and motors. 3. Starter- Supply, erection , testing and commissioning of suitable rating fully automatic starter with air break contact suitable for the above motor with over voltage and under voltage protection, single phase preventer, over load relay with motor protection relay with main contactor and bypass contactor as per IE rules and code of practice etc. complete. 4. Panel board-(Suitable for operating two pump sets but one pump set at a time) Supply, Design, fabricated dust and vermin proof common control panel board consisting of 1 No. suitable capacity MCCB as incomer and 2 Nos. of suitable capacity MCCB as out going(the two MCCBs are interlocking with each other) providing suitable size aluminum bus bar to interconnect the above MCCBs and fitted with 3 Nos. of indicator lamps, 1 No. volt meter with selector switch etc. complete and provided with a common earth bus for the entire panel and interc				

Sl No	Specification	Quantity	Rate	Amount
	considering energy conservation 6. Earthing- Supply of all materials and providing suitable earthing by using suitable size pipe or plate earthing GI/copper strip buried in ground and giving double earthing to motor, starter, panel board etc. as per IE standards. 7. Capacitor -Supply, erection, testing and commissioning of heavy duty APP capacitor for the motor to get a power factor above 0.95. The capacitor shall conform to IS 2834 8. Valves- Supply of suitable size best quality heavy duty ISI marked CI double flanged sluice valve and non - return valve with suitable pressure rating. Fitting of valves shall include proper RCC support especially for non - return valves.IN case of positive suction pump set, sluice valve should be in suction as well as delivery sides for easy repair works 9. Suction and delivery pipe connections- Supply and fitting of suitable size best quality GI/M.S pipe of thickness not less than 8mm for a total length of 10.00m suitable for the above pump set and connecting the suction pipe and valve with suitable flanges nut & bolts IR sheets etc. complete and connecting the delivery side of pump with the valves and suitable specials to connect with the pumping main. If the dia. of suction pipe is above 80mm, CI pipes and specials shall be provided. (rate include pump,motor,panel board, stater,10 m cable, capacitor,10 m suction			
	pipe,foot valve, NRV, sluice valve, trial run and commistioning, 2 year	pipe connection	n upto valve, earthing	g, erection,
	Net Total	40.000HP (Horse power)	@16800.84/HP (Horse power)	672033.60
11.008	OD10563/2022-2023	FORM FOR THE	MANAGEMENT	
	Construction of Transformer controll room and Supply and erection of 400 KVA Transformer with Panel board and required accessories			
	Net Total	1.000set	@4646000.00/set	4646000.00
			Heading Total(Rs)	11722759.1 0
12	Power allocation charges			
12.001	OD13488/2022-2023			
	Power line Extension and Power connection charges to various pump houses, Line extension charges, as per demand from KSEBL. The necessary statutory fees, if any, payable to the Electrical Inspectorate / KSEB			
	Net Total	3.000L.S	@500000.00/L.S	1500000.00
			Heading Total(Rs)	1500000.00
		Tot	al Estimation PAC	153802703.4 1
14	Extra Charges			
Provision for GST				
13.001		153802703.41	18.00%	27684486.6 1
			Grand Total	181487190. 02

Sl No	Specification	Quantity	Rate	Amount
			Round off	809.98
			Rounded Total(Rs)	181488000.0 0
	Rupees Eighteen Crore Fourteen Lakh Eighty Eight Thousand			

