DETAILED ESTIMATE

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

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

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

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
1	Supply and laying	Clear wat	er pumping	main-Cost of	fmaterials		
1.001	100.98.118						
	Supply of DI K9 P	ipe Confo	orming to IS	8329/2000, 2	250mm Dia.		
	250mm DI Pipe						
	CWR WTP- Pooppara Booster	1	5407.000				5407.000
	Spare pipe	1	68.000	(a/)			68.000
	Deduction	-1	40.000				-40.000
	Total		(41)	KO DA			5435.000
				Tota	al Quantity	in metre	5435.000
1.002	100.98.117			<i>J</i>			
	Supply of DI K9 P	ipe Confo	orming to IS	8 <mark>32</mark> 9/2000, 2	200mm Dia.		
	Supply of 200	mm DI pi	pe of Public	M FOR THE M WORKS	ANAGEMENT		
	CWR WTP- Puthadi Jamespadi Booster	1	4109.000				4109.000
	Spare pipe	1	100.000				100.000
	Deduction	-1	72.000				-72.000
	Total						4137.000
				Tota	al Quantity	in metre	4137.000
1.003	100.98.116						
	Supply of DI K9 P	ipe Confo	orming to IS	8329/2000, 1	50mm Dia.		
	Supply of 150mn	n DI pipe					
	Pooppara-Erachil para	1	6117.000				6117.000
	Erachilpara- Thodimala	1	1317.000				1317.000
	Jamespadi- Puthady Top	1	2286.000				2286.000
	Spare	1	246.000				246.000
	Deduction for MS pipe	-1	80.000				-80.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						9886.000
				Tot	al Quantity	in metre	9886.000
1.004	100.98.115						
	Supply of DI K9 F	Pipe Confo	orming to IS	8329/2000, 1	100mm Dia.		
	Supply of 100mm	DI pipe				T T	
	Pooppara-Magna Peak	1	1105.000				1105.000
	Spare pipe	1	28.000				28.000
	Deduction	-1	48.000				-48.000
	Total						1085.000
				Tot	al Quantity	in metre	1085.000
1.005	100.98.441						
	Supply of CI Air V Type S1, Size 40n	ım.	- 6	S 14848 - 20	000, Single C	Orifice, Sm	nall Orifice
	Supply of 40mm s		ve				
		20		THE PERSON			20.000
	Total			3-16			20.000
		V			Total Quant	tity in no	20.000
1.006	Supply of CI Air V Type S1, Size 25n		OF PUBLIC	S 14848 - 20		Orifice, Sm	nall Orifice
	Supply of 25mm s	ize air val	ve			T T	
		22					22.000
	Total						22.000
				,	Total Quant	tity in no	22.000
1.007	100.98.458						
	Supply of CI Doul Valve with Cap Pl			ve Conformi	ing to IS 148	46 - 2000,	Sluice
	Supply of 100mm	sluice val	ve		<u> </u>	Ι Γ	
		1					1.000
	Total						1.000
				,	Total Quant	tity in no	1.000
1.008	100.98.460 Supply of CI Doub	ole Flange	ed Sluice Val	ve Conformi	ing to IS 148	<u>46 - 2000.</u>	Sluice
	Valve with Cap Pi						
	Supply of 150mm	sluice va	lve		<u> </u>	,	
		3					3.000
	Total						3.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				,	Total Quant	ity in no	3.000			
1.009	100.98.461									
	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 200mm.									
	Valve with Cap PN 1.6, Size 200mm. Supply of 200mm sluice valve									
		2					2.000			
	Total						2.000			
				,	Total Quant	ity in no	2.000			
1.010	100.98.462									
	Supply of CI Doul Valve with Cap Pl			ve Conformi	ng to IS 148	46 - 2000,	, Sluice			
	250 mm Sluice Va	lve								
		1		L.O.			1.000			
	Total						1.000			
				2411	Total Quant	ity in no	1.000			
2	Supply and laying	Clear wat	ter pumping	main-Workii	ng charges					
2.001	100.1.1			3 -11						
	getting out the exc exceeding 20cm ir watering, etc., and 50m, in all kinds of	depth, in disposing	cluding cons	solidating ead	ch deposited	layer by r	amming,			
	Excavating t	renches al	l kinds of so	il 75%						
	200 mm DI K9	1	4109.000	0.800	1.150	0.7500 00	2835.210			
	250 mm DI K9	1	5407.000	0.900	1.200	0.7500 00	4379.670			
	150 mm DI K9	1	9720.000	0.600	1.050	0.7500 00	4592.700			
	100 mm DI K9	1	1105.000	0.600	1.000	0.7500 00	497.250			
	DEDUCTION for MS Pipe 200 mm	-1	72.000	0.800	1.150	0.7500 00	-49.680			
	DEDUCTION for MS Pipe 150mm	-1	80.000	0.600	1.050	0.7500 00	-37.800			
	DEDUCTION for MS Pipe 100mm	-1	48.000	0.600	1.000	0.7500 00	-21.600			
	Deduction for MS Pipe	-1	40.000	0.900	1.200	0.7500 00	-32.400			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Total						12163.35 0	
				To	otal Quantit	y in cum	12163.35 0	
2.002	100.1.5							
	Excavating trenches sockets, and dressing etting out the exceeding 20cm in watering, etc., and m, in Ordinary Ro	ing of side avated so depth, in disposing ck.	es, ramming oil, and then recluding cons	of bottoms, ceturning the colidating each	lepth up to 1 soil as required the deposited	.5m, inclu ed, in lay layer by r	ding ers not amming,	
	Excavation in ord	inary rock	K 15%					
	200 mm DI K9	1	4109.000	0.800	1.150	0.1500 00	567.042	
	250 mm DI K9	1	5407.000	0.900	1.200	0.1500 00	875.934	
	150 mm DI K9	1	9720.000	0.600	1.050	0.1500 00	918.540	
	100 mm DI K9	1	1105.000	0.600	1.000	0.1500 00	99.450	
	DEDUCTION for MS Pipe 200 mm	-1	72.000	0.800	1.150	0.1500 00	-9.936	
	DEDUCTION for MS Pipe 150mm	-1	80.000	0.600	1.050	0.1500 00	-7.560	
	DEDUCTION for MS Pipe 100mm	-1	48.000	0.600	1.000	0.1500 00	-4.320	
	Deduction for MS Pipe	-1	40.000	0.900	1.200	0.1500 00	-6.480	
	Total						2432.670	
				To	otal Quantit	y in cum	2432.670	
2.003	100.2.2							
	Excavation work by mechanical means (Hydraulic excavator) / manual mea foundation trenches or drains (not exceeding 1.5m in width or 10m2 on plaincluding dressing of sides and ramming of bottoms, lift up to 1.5m, includiout the excavated soil and disposal of surplus excavated soils as directed, work of 50m, in Medium Rock where Blasting is Prohibited.							
	Earth work excav		_					
	200 mm DI K9	1	4109.000	0.800	1.150	0.0500	189.014	
	250 mm DI K9	1	5407.000	0.900	1.200	0.0500	291.978	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	150 mm DI K9	1	9720.000	0.600	1.050	0.0500 00	306.180
	100 mm DI K9	1	1105.000	0.600	1.000	$0.0500 \\ 00$	33.150
	DEDUCTION for MS Pipe 200 mm	-1	72.000	0.800	1.150	0.0500 00	-3.312
	DEDUCTION for MS Pipe 150mm	-1	80.000	0.600	1.050	0.0500 00	-2.520
	DEDUCTION for MS Pipe 100mm	-1	48.000	0.600	1.000	0.0500 00	-1.440
	Deduction for MS Pipe	-1	40.000	0.900	1.200	$0.0500 \\ 00$	-2.160
	Total			ωĎ.			810.890
			- 688	To	tal Quantit	y in cum	810.890
2.004	100.1.13		4100				
	getting out the exc exceeding 20cm ir watering, etc., and 50m, in Hard Rocl	depth, in disposing where B	cluding conse g of surplus ex lasting is Pro	o <mark>lid</mark> ating eac xcavated soil	h deposited	layer by r	amming,
	Earth work excav	ation in H	ard Rock 5%				
	200 mm DI K9	1	4109.000	0.800	1.150	0.0500 00	189.014
	250 mm DI K9	1	5407.000	0.900	1.200	0.0500 00	291.978
	150 mm DI K9	1	9720.000	0.600	1.050	0.0500 00	306.180
	100 mm DI K9	1	1105.000	0.600	1.000	0.0500 00	33.150
	DEDUCTION for MS Pipe 200 mm	-1	72.000	0.800	1.150	0.0500 00	-3.312
	DEDUCTION for MS Pipe 150mm	-1	80.000	0.600	1.050	0.0500 00	-2.520
	DEDUCTION for MS Pipe 100mm	-1	48.000	0.600	1.000	0.0500 00	-1.440
	Deduction for MS Pipe	-1	40.000	0.900	1.200	0.0500 00	-2.160
	Total						810.890

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
				Te	otal Quantity	y in cum	810.890				
2.005	100.8.1										
	Fencing one side of trenches, 1.50m height with two rows of 10cm plastic on vertical casuarina pole (girth 15cm to 24cm) fixed at 2m intervals.										
	Fencing 20341 00 200										
		1	20341.00 0				20341.00 0				
	Total						20341.00 0				
				Tot	al Quantity	in metre	20341.00 0				
2.006	100.59.1					·					
	200mm along the any damage to oth and plant, cost of caution boards, tra complete, before c	Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffic diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.									
	Cutting the bitum	inous road	ds								
		1	1850.000				1850.000				
	Total		OF PUBLIC	M FOR THE N WORKS	IANAGEMENT		1850.000				
				Tot	al Quantity	in metre	1850.000				
2.007	15.59										
	Dismantling of fle disposal of dismar Engineer-in-charg	itled mate									
	Dismantling of fle	xible pav	ement								
		1	1850.000	0.600	0.200		222.000				
	Total						222.000				
				To	otal Quantity	y in cum	222.000				
2.008	15.2.1										
	Demolishing ceme material within 50 concrete 1:3:6 or r	metres le	ad as per dir	ection of Eng	gineer - in-Cl	cluding dinarge.Non	isposal of ninal				
	CC demolition	-									
		1	850.000	0.600	0.150		76.500				
	Total						76.500				
				To	otal Quantit	y in cum	76.500				
2.009	100.14.1										

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Conveying and lay to IS: 8329 exclud K-9 Pipes.						
	100 mm DI		T				
	Pooppara-Magna Peak	1	1105.000				1105.000
	Total						1105.000
				Tot	al Quantity	in metre	1105.000
2.010	18.30.2						
	Providing flanged testing of joints:10			ed C.I./ D.I p	ipes and spec	cials, inclu	ıding
	100 mm DI	<u> </u>					
		10					10.000
	Total			la fix			10.000
					Total Quant	ity in no	10.000
2.011	18.70.1		(AL)				
	Pipes including tempipes 100 mm dia	sting of jo	ints and include	M FOR THE M	st of rubber g	asket:100	mm dia 210.000
	Total						210.000
				To	tal Quantity	in joint	210.000
2.012	OD126000/2022-2	2023					
	Labour for cutting	DI pipe v	ith steel saw	/ 100 mm dia	ameter of DI	Pipe	
	100 mm DI K9						
		10					10.000
	Total						10.000
				Total Q	Quantity in E	Cach Cut	10.000
2.013	100.35.1						
	Testing 100mm D 100 mm dia	I/CI pipeli	ne with pota	ble water to	the required	test pressi	ıre
	100 mm	T.					
		1	1105.000				1105.000
	Total						1105.000
				Tot	al Quantity	in metre	1105.000
2.014	100.14.2						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Conveying and lay to IS: 8329 exclude K-9 Pipes.						
	laying 150mm D	[1				
	Poopara booster - Erachilpara	1	6117.000				6117.000
	Erachilpara booster - Thodimala GLSR	1	1317.000				1317.000
	Jamespadi booster - Puthadi top	1	2286.000				2286.000
	Total						9720.000
				Tot	al Quantity	in metre	9720.000
2.015	18.30.4			-8			
	Providing flanged testing of joints:15			d C.I./ D.I p	ipes and spec	cials, inclu	ıding
	flanged joints 150		Selle.	September 1		<u> </u>	
		15		3 1 f			15.000
	Total				m		15.000
2.016	18.70.2	_	e-PLATFOR!	W FOR THE M WORKS	Total Quant	ity in no	15.000
2.010	Providing push - o Pipes including tes pipes						
	150 mm dia	4500	T				1500,000
	TD . 4 . 1	1788					1788.000
	Total				4.10 424		1788.000
2.017	OD 12 (002 /2022 2	.022		10	otal Quantity	y in joint	1788.000
2.017	OD126003/2022-2 Labour for cutting pipe		ron pipe with	steel saw.1:	50 mm diam	eter Ducti	le Iron.
	200 mm DI						
		40					40.000
	Tatal		•				40.000
	Total						40.000
	1 Otal			1	Total Quant	tity in no	
2.018	100.35.2			,	Total Quant	tity in no	
2.018				ble water to	the required		40.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		1	9720.000				9720.000
	Total						9720.000
				Tot	al Quantity	in metre	9720.000
2.019	100.14.3						
	Conveying and lay to IS: 8329 exclud K-9 Pipes.						
	laying 200 mm D	I					
	CWR- Puthadi Jamespadi	1	4109.000				4109.000
	Total						4109.000
				Tot	al Quantity	in metre	4109.000
2.020	18.30.5						
	Providing flanged testing of joints:20	joints to o	louble flange meter pipe	d C.I./ D.I p	ipes and spec	cials, inclu	ıding
	200 mm DI		(A12)	KADA			
		15	- 1/30	Tables .			15.000
	Total			-			15.000
		M			Total Quant	ity in no	15.000
2.021	18.70.3		e-PLATFOR	W FOR THE M WORKS	IANAGEMENT		
	Providing push - o Pipes including tes pipes	n-joints to sting of jo	Centrifugall ints and inclu	ly (Spun) Canding the cos	ast Iron Pipes st of rubber g	or Ductil asket:200	e Iron mm dia
	200 mm dia						
	200 mm dia	760					760.000
	200 mm dia Total	760					
		760		To	otal Quantity	in joint	760.000
2.022				To	tal Quantity	in joint	760.000 760.000
2.022	Total	2023	vith steel saw			*	760.000 760.000
2.022	Total OD126002/2022-2	2023	vith steel saw			*	760.000 760.000
2.022	Total OD126002/2022-2 Labour for cutting	2023	vith steel saw			*	760.000 760.000
2.022	Total OD126002/2022-2 Labour for cutting	2023 DI pipe v	vith steel saw			*	760.000 760.000 760.000
2.022	Total OD126002/2022-2 Labour for cutting 200 mm DI	2023 DI pipe v	vith steel saw	200 mm dia		Pipe	760.000 760.000 760.000
	Total OD126002/2022-2 Labour for cutting 200 mm DI	2023 DI pipe v	vith steel saw	200 mm dia	ameter of DI	Pipe	760.000 760.000 760.000 26.000 26.000
	Total OD126002/2022-2 Labour for cutting 200 mm DI Total	2023 DI pipe v 26	ine with pota	Total Q	ameter of DI Ouantity in I the required	Pipe Cach Cut	760.000 760.000 760.000 26.000 26.000
	Total OD126002/2022-2 Labour for cutting 200 mm DI Total 100.35.3 Testing 200mm Di 200 mm dia	2023 DI pipe v 26 I/CI pipel	ine with pota	Total Q	ameter of DI Ouantity in I the required	Pipe Cach Cut	760.000 760.000 760.000 26.000 26.000

	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						4109.000
				To	al Quantity	in metre	4109.000
2.024	100.14.4						
	Conveying and lay to IS: 8329 exclud K-9 Pipes.						
	Laying 250 mm D	I Pipe					
		1	5407.000				5407.000
	Total						5407.000
				To	al Quantity	in metre	5407.000
2.025	18.30.6						
	Providing flanged testing of joints:25			ed C.I./ D.I p	pipes and spec	cials, inclu	ıding
	flanged joint		J	14	1		
		7		5/11			7.000
-	Total		100				7.000
	1				Total Quant	ity in no	7.000
2.026	18.70.4			$< \Pi$	_=		
2.026	Providing push - o Pipes including tes pipes						
2.026	Providing push - o Pipes including tes	sting of joi					mm dia
2.026	Providing push - o Pipes including tes pipes Push-on-Joints						mm dia
2.026	Providing push - o Pipes including tes pipes	sting of joi		uding the co	st of rubber g	asket:250	990.000 990.000
	Providing push - o Pipes including tes pipes Push-on-Joints	990		uding the co		asket:250	mm dia
	Providing push - o Pipes including tes pipes Push-on-Joints Total	990 990	ints and inclu	uding the co	st of rubber g	asket:250	990.000 990.000
	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting	990 990	ints and inclu	uding the co	st of rubber g	asket:250	990.000 990.000
	Providing push - o Pipes including tes pipes Push-on-Joints Total	990 2023 DI pipe w	ints and inclu	uding the co	st of rubber g	asket:250	990.000 990.000 990.000
	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting cutting	990 990	ints and inclu	uding the co	st of rubber g	asket:250	990.000 990.000 990.000
	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting	990 2023 DI pipe w	ints and inclu	To 250 mm di	otal Quantity	asket:250 v in joint pe	990.000 990.000 990.000 20.000
2.027	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting cutting Total	990 2023 DI pipe w	ints and inclu	To 250 mm di	st of rubber g	asket:250 v in joint pe	990.000 990.000 990.000
2.027	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting cutting Total 100.35.4	990 2023 DI pipe w	vith steel saw	Total (otal Quantity ameter DI Pi	v in joint pe	990.000 990.000 990.000 20.000 20.000
2.027	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting cutting Total	990 2023 DI pipe w 20	vith steel saw	Total (otal Quantity ameter DI Pi	v in joint pe	990.000 990.000 990.000 20.000 20.000
2.027	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting cutting Total 100.35.4 Testing 250mm Di 250 mm dia	990 2023 DI pipe w 20 I/CI pipeli	vith steel saw	Total (otal Quantity ameter DI Pi	v in joint pe	990.000 990.000 990.000 20.000 20.000
2.027	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting cutting Total 100.35.4 Testing 250mm Di 250 mm dia Observed Data der	990 2023 DI pipe w 20 I/CI pipeli	vith steel saw	Total (otal Quantity ameter DI Pi	v in joint pe	990.000 990.000 990.000 20.000 20.000
2.027	Providing push - o Pipes including tes pipes Push-on-Joints Total OD142449/2022-2 Labour for cutting cutting Total 100.35.4 Testing 250mm Di 250 mm dia Observed Data der	990 2023 DI pipe w 20 I/CI pipeli	rith steel saw	Total (otal Quantity ameter DI Pi	v in joint pe	990.000 990.000 990.000 20.000 20.000 are .

Total 48.000 Total Quantity in metre 48.000 2.030 100.37.5.2 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. MS flange 20 20.000 Total 20.000 Total 20.000 2.031 100.37.5.3 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24.000 Total 24.000 2.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 24.000	Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
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. MS pipe 100 mm 1 48.000 Total 48.000 Total 48.000 Total 48.000 Total Quantity in metre 48.000 2.030 100.37.5.2 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. MS flange 20 20.000 Total 20.000 20.000 Total 20.000 T	2.029	100.37.5.1	-	-			-	
Total 48.000 Total 48.000 Total Quantity in metre 54.000 For pipes 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. MS flange 20 20.000 Total 20.000 Total 20.000 Total Quantity in no 20.000 20.031 100.37.5.3 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24.000 Total 24.000 Total Quantity in no 24.000 Total 37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 25.000 Total 24.000 Total 26.000 Total 26.00		including cost and of painting the stee	conveyan	ce charges of the two or me	of M.S. plate, ore coat delu	all fabrication xe multi surf	on charges	s, charges
Total 48.000 Total Quantity in metre 48.000 2.030 100.37.5.2 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. MS flange 20 20.000 Total 20.000 Total Quantity in no 20.000 2.031 100.37.5.3 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24.000 Total Quantity in no 24.000 Total Poping machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Welding Can and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding		MS pipe 100 mm		•	•			
2.030 100.37.5.2 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. MS flange 20 20.000 Total 20.000 Total 20.000 Total Quantity in no 20.000 20.000 Total Quantity in no 20.000 20.000 Total Quantity in no 20.000 Total Quantity in no 20.000 20.000 Total Quantity in no 20.000 20.000 Total Quantity in no 20.000 Total Quantity in no 20.000 Total 24.000 Total 24.000 Total 24.000 Total 24.000 Total Quantity in no 24.000 Total 25.000 Total 24.000 Total 25.000 Total 26.000			1	48.000				48.000
2.030 100.37.5.2 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. MS flange 20 20.000 Total 20.000 Total 20.000 Total 20.000 Total Quantity in no 20.000 20.000 Total Quantity in no 20.000 20.000 Total Quantity in no 24.000 Corinding all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.		Total						48.000
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. MS flange 20 20,000 Total 20,000 Total Quantity in no 20,000 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24,000 Total 20,000 Total 24,000 Total 24,000 Total 24,000 Total 24,000 Total 24,000 Total 24,000 Total Total Quantity in no 24,000 Total Total Quantity in no 24,000 Total Total Cinding Cinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding Grinding					Tot	al Quantity	in metre	48.000
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. MS flange 20 20,000 Total 20,000 Total 20,000 Total Quantity in no 20,000 20,000 Total Quantity in no 20,000 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24,000 Total Total Quantity in no 24,000 2.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 Total Total Quantity in no 24,000 Total Total Quantity in no 24,000 Total Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding	2.030	100.37.5.2						
Total Quantity in no 20.000 2.031 100.37.5.3 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24.000 Total 24.000 2.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 24.000 Total 24.000 Total 24.000 Total 24.000 Total 24.000 Complete: For pipes fabricated with 8mm thick M.S. plates. Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding		cost and conveyan the steel work with over an under-coar plates.	ce charges n two or m t of primes	s of M.S. pla ore coat del	te, all fabrica uxe multi su	ation charges rface paint to	s, charges give an e	of painting ven shade thick M.S.
2.031 100.37.5.3 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24.000 Total 24.000 2.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 25.000 Total 26.000 Complete: For pipes fabricated with 8mm thick M.S. plates. Welding Complete: For pipes fabricated with 8mm thick M.S. plates. Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding			20					
2.031 100.37.5.3 Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24.000 Total 24.000 20.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 24.000 Total 24.000 Total 24.000 Total 24.000 Total 26.000 Total		Total			210			
Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. cutting 24 24.000 Total 24.000 20.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 24.000 Total 24.000 Total 24.000 Total Quantity in no 24.000 Total Quantity in no 24.000 Complete: For pipes fabricated with 8mm thick M.S. plates. Complete: For pipes fabricated with 8mm thick M.S. plates. Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding						T-4-1 04	tity in nal	20 000
2.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 24.000 Total Quantity in no 24.000 2.033 100.37.5.5 Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding	2.031	Cutting 100mm (I.	.D.) M.S.	pipes for ma	king bends a	nd other spec	cials by ga	as cutting
2.032 100.37.5.4 Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 24.000 2.033 100.37.5.5 Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding	2.031	Cutting 100mm (I including cost of g fabricated with 8m	gas, all lab	our and hire	king bends a	nd other spec	cials by ga	as cutting
Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. welding 24 24.000 Total 24.000 2033 100.37.5.5 Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding	2.031	Cutting 100mm (I including cost of g fabricated with 8m cutting	gas, all lab	our and hire	king bends a	nd other spec	cials by ga	as cutting r pipes
Total 24.000 Total Quantity in no 24.000 2.033 100.37.5.5 Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding	2.031	Cutting 100mm (I including cost of g fabricated with 8m cutting	gas, all lab	our and hire	king bends a charges of to	nd other spec	cials by ganglete: For	as cutting r pipes
Total 24.000 Total Quantity in no 24.000 2.033 100.37.5.5 Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding		Cutting 100mm (I including cost of g fabricated with 8m cutting Total 100.37.5.4 Welding 100mm (welding machine it tools etc., complet	gas, all labour thick Manual M	our and hire 1.S. plates. pipes for meast of gas ar	king bends a charges of to	nd other spectools etc., com Total Quant and other spectods, all labour	cials by ganplete: For	24.000 24.000 24.000 gas/electric
2.033 100.37.5.5 Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding		Cutting 100mm (I including cost of g fabricated with 8m cutting Total 100.37.5.4 Welding 100mm (welding machine it tools etc., complet	I.D.) M.S. ncluding of	our and hire 1.S. plates. pipes for meast of gas ar	king bends a charges of to	nd other spectools etc., com Total Quant and other spectods, all labour	cials by ganplete: For	24.000 24.000 24.000 gas/electric e charges of
2.033 100.37.5.5 Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates. Grinding		Cutting 100mm (I including cost of g fabricated with 8m cutting Total 100.37.5.4 Welding 100mm (welding machine it tools etc., complet welding	I.D.) M.S. ncluding of	our and hire 1.S. plates. pipes for meast of gas ar	king bends a charges of to	nd other spectools etc., com Total Quant and other spectods, all labour	cials by ganplete: For	24.000 24.000 24.000 gas/electric
		Cutting 100mm (I including cost of g fabricated with 8m cutting Total 100.37.5.4 Welding 100mm (welding machine it tools etc., complet welding	I.D.) M.S. ncluding of	our and hire 1.S. plates. pipes for meast of gas ar	king bends a charges of to	nd other spectools etc., come of the control of the	cials by ganplete: For	24.000 24.000 24.000 24.000 24.000
	2.032	Cutting 100mm (I including cost of g fabricated with 8m cutting Total 100.37.5.4 Welding 100mm (welding machine i tools etc., complet welding Total 100.37.5.5 Grinding cut and wincluding all labou 8mm thick M.S. p	I.D.) M.S. neluding of e: For pipe	pipes for m cost of gas ares fabricated	aking bends a charges of to a charge of the charges of the	nd other spectools etc., com Total Quant and other spectods, all labout hick M.S. pla Total Quant	cials by ganplete: For	24.000 24.000 24.000 24.000 24.000 24.000 24.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						48.000
				I	Total Quant	ity in no	48.000
2.034	100.37.6.1						
	In situ fabrication including cost and of painting the stee even shade over an	conveyar el work w	nce charges of the two or me	of M.S. plate, ore coat delu	, all fabrication xe multi surf	on charge:	s, charges
	MS pipe 150mm						
		1	80.000				80.000
	Total						80.000
				Tot	al Quantity	in metre	80.000
2.035	100.37.6.2						
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge 1 two or n	s of M.S. pla nore coat del	ite, all fabric uxe multi su	ation charges rface paint to	s, charges give an e	of painting ven shade
	MS flange			311			
		30					30.000
	Total	_	e-PLATFOR	M FOR THE N	ANAGEMENT		30.000
			OF PUBLIC	WORKS	Total Quant	ity in no	30.000
2.036	Cutting 150mm (I. including cost of g fabricated with 8m	as, all lab	our and hire				
	cutting						
		40					40.000
	Total						40.000
				ı	Total Quant	ity in no	40.000
2.037	100.37.6.4						
	Welding 150mm (welding machine i tools etc., complet	ncluding	cost of gas a	nd welding r	ods, all labou	ır and hire	
	Welding						
		40					40.000
	Total						40.000
					Total Quant	ity in no	40.000
2.038	100.37.6.5						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Grinding cut and v including all labou 8mm thick M.S. pl	ır and hire								
	Grinding									
		80					80.000			
	Total						80.000			
				ı	Total Quant	ity in no	80.000			
2.039	100.37.7.1									
	In situ fabrication of M.S. pipes of size 200mm (I.D.) using 8mm thick M.S. plaincluding cost and conveyance charges of M.S. plate, all fabrication charges, chof painting the steel work with two or more coat deluxe multi surface paint to geven shade over an under-coat of primer etc., complete.									
	MS pipe 200mm									
		1	72.000				72.000			
	Total		-63	36			72.000			
			14-18V	Tot	al Quantity	in metre	72.000			
	100.37.7.2		100	TO SECOND						
2.040	Fabricating M.S. f cost and conveyan the steel work with over an under-coat	ce charges n two or m	s of M.S. pl <mark>a</mark> ore coat del	<mark>ite,</mark> all fabrica uxe multi su	ation charges rface paint to	s, charges give an e	of painting even shade			
2.040	cost and conveyan	ce charges n two or m t of primes	s of M.S. pl <mark>a</mark> ore coat del	<mark>ite,</mark> all fabrica uxe multi su	ation charges rface paint to	s, charges give an e	of painting even shade thick M.S.			
2.040	cost and conveyan the steel work with over an under-coat plates. MS flange	ce charges n two or m	s of M.S. pl <mark>a</mark> ore coat del	<mark>ite,</mark> all fabrica uxe multi su	ation charges rface paint to	s, charges give an e	of painting even shade thick M.S.			
2.040	cost and conveyan the steel work with over an under-coat plates.	ce charges n two or m t of primes	s of M.S. pl <mark>a</mark> ore coat del	ate, all fabrica uxe multi sun ete: For pipe	ation charges face paint to s fabricated v	s, charges give an e with 8mm	of painting even shade thick M.S. 30.000 30.000			
	cost and conveyan the steel work with over an under-coat plates. MS flange Total	ce charges n two or m t of primes	s of M.S. pl <mark>a</mark> ore coat del	ate, all fabrica uxe multi sun ete: For pipe	ation charges rface paint to	s, charges give an e with 8mm	of painting even shade thick M.S.			
	cost and conveyan the steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g fabricated with 8m	ce charges a two or me tof primer 30 D.) M.S. gas, all lab	s of M.S. pla nore coat del r etc., compl pipes for ma our and hire	ate, all fabrica uxe multi sur ete: For pipe	ation charges face paint to s fabricated v Total Quant	s, charges give an ewith 8mm	of painting even shade thick M.S. 30.000 30.000 30.000 as cutting			
	cost and conveyan the steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g	D.) M.S.; as, all lab	s of M.S. pla nore coat del r etc., compl pipes for ma our and hire	ate, all fabrica uxe multi sur ete: For pipe	ation charges face paint to s fabricated v Total Quant	s, charges give an ewith 8mm	30.000 30.000 30.000 as cutting r pipes			
	cost and conveyan the steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g fabricated with 8m Cutting	ce charges a two or me tof primer 30 D.) M.S. gas, all lab	s of M.S. planore coat delar etc., complepipes for ma	ate, all fabrica uxe multi sur ete: For pipe	ation charges face paint to s fabricated v Total Quant	s, charges give an ewith 8mm	30.000 30.000 30.000 30.000 30.000 30.000 30.000			
	cost and conveyan the steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g fabricated with 8m	D.) M.S.; as, all lab	s of M.S. planore coat delar etc., complepipes for ma	king bends a	ration charges face paint to s fabricated v	s, charges give an ewith 8mm	30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000			
2.041	cost and conveyan the steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g fabricated with 8m Cutting Total	D.) M.S.; as, all lab	s of M.S. planore coat delar etc., complepipes for ma	king bends a	ation charges face paint to s fabricated v Total Quant	s, charges give an ewith 8mm	30.000 30.000 30.000 30.000 30.000 30.000 30.000			
2.041	cost and conveyan the steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g fabricated with 8m Cutting Total 100.37.7.4 Welding 200mm (i. welding machine i	D.) M.S. jas, all labam thick M. 36	pipes for ma our and hire 1.S. plates.	king bends a charges of to	Total Quant Total Quant and other specods, all labou	city in no	30.000 30.000 30.000 30.000 30.000 36.000 36.000 36.000			
2.041	cost and conveyanthe steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g fabricated with 8m Cutting Total 100.37.7.4 Welding 200mm (welding machine it tools etc., complete	D.) M.S. jas, all labam thick M. 36	pipes for ma our and hire 1.S. plates.	king bends a charges of to	Total Quant Total Quant and other specods, all labou	city in no	30.000 30.000 30.000 30.000 30.000 36.000 36.000 36.000			
2.041	cost and conveyan the steel work with over an under-coat plates. MS flange Total 100.37.7.3 Cutting 200mm (I. including cost of g fabricated with 8m Cutting Total 100.37.7.4 Welding 200mm (i. welding machine i	D.) M.S. jas, all labam thick M. 36	pipes for ma our and hire A.S. plates.	king bends a charges of to	Total Quant Total Quant and other specods, all labou	city in no	30.000 30.000 30.000 30.000 30.000 36.000 36.000 36.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity						
	Total Quantity in no 36.												
2.043	100.37.7.5												
	Grinding cut and vincluding all labou 8mm thick M.S. pl	ır and hire											
	Grinding												
		72					72.000						
	Total		72.000										
				ı	Total Quant	ity in no	72.000						
2.044	100.37.8.1												
	In situ fabrication including cost and of painting the stee even shade over ar	conveyar el work w n under-co	nce charges of ith two or mo oat of primer	of M.S. plate, ore coat delu	, all fabrication xe multi surf	on charges	s, charges						
	Fabrication 250 m	ım MS Pi	(175)	100 A									
		1	40.000	3201M			40.000						
	Total		- 1/20	and the second			40.000						
	100.37.8.2			Tot	al Quantity	in metre	40.000						
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge n two or n	s of M.S. pla nore coat del	te, all fabrica uxe multi sur	ation charges rface paint to	s, charges give an e	of painting ven shade						
	MS flange					<u> </u>							
		14					14.000						
	Total						14.000						
					Total Quant	ity in no	14.000						
2.046	100.37.8.3												
	Cutting 250mm (I. including cost of g fabricated with 8m	as, all lab	our and hire										
	cutting												
		18					18.000						
	Total						18.000						
				ı	Total Quant	ity in no	18.000						
2.047	100.37.8.4												
	Welding 250mm (welding machine i tools etc., complet	ncluding	cost of gas a	nd welding r	ods, all labou	ır and hire							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	welding						
		18					18.000
	Total						18.000
				,	Total Quant	ity in no	18.000
2.048	100.37.8.5						
	Grinding cut and vincluding all labou 8mm thick M.S. p	abrication ipes fabri	work cated with				
	grinding						
		36					36.000
	Total						36.000
				,	Total Quant	ity in no	36.000
2.049	18.68.1			ran e			
	Providing and layi		ecials of clas	s K - 12 suita	able for push	- on joint	ing as per
	IS: 9523:Upt 600 D.I specials	mm dia					
						0.3200	
	200*90 bend	4		Ì		0.3200	1.280
	200*45 bend	17	e-PLATFOR	M FOR THE M	ANAGEMENT	0.2600 00	4.420
	200*22.5 bend	21	OF PUBLIC	WORKS		0.2300 00	4.830
	200*11.25 bend	32				0.2100 00	6.720
	250*90 bend	4				0.4800 00	1.920
	250*45 bend	4				0.3600 00	1.440
	250*22.5 bend	4				0.3200 00	1.280
	250*11.25 bend	4				0.3000	1.200
	150*90 bend	6				0.2000 00	1.200
	150*45 bend	14				0.1600 00	2.240
	150*22.5 bend	20				0.1500 00	3.000
	150*11.25 bend	35				0.1400 00	4.900
	100*90 bend	2				0.1100 00	0.220

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	100*45 bend	3				0.1000	0.300				
	100*22.5 bend	4				0.0900	0.360				
	100*11.25 bend	6				0.0900	0.540				
	200*150 TEE	20				0.3600	7.200				
	200*100 TEE	12				0.3100 00	3.720				
	150*100 TEE	10				0.2200	2.200				
	250*TP	2				0.3200	0.640				
	200mm TP	10		le/\		0.2000	2.000				
	150mm TP	10	A			0.1400 00	1.400				
	100mm TP	2				0.0900	0.180				
	Total			\mathbf{Z}			53.190				
			e-PLATFOR		Quantity in	n quintal	53.190				
2.050	18.69.1		OF PUBLIC	WORKS							
	Providing and layi per IS: 9523:Upto	ng D.I Sp o 600 mm	ecials of Cla	ıss K - 12 sui	table for med	chanical jo	ointing as				
	MJ collar	Г				Г					
	100 mm M J Collar	2				0.1300 00	0.260				
	150 mm M J Collar	20				0.2000	4.000				
	200 mm M J Collar	9				0.2700	2.430				
	250 mm MJ collor	8				0.3600	2.880				
	Total						9.570				
				Total	Quantity in	n quintal	9.570				
2.051	100.31.1.4										
	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): 150mm diameter, Class I.										
	150 mm										
		3					3.000				
	Total						3.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total Quantity in no 3.000									
2.052	100.31.1.2									
	Conveying and fix insertions etc., con will be paid separa	nplete, bu	t excluding t	he cost of the						
	sluice valve			T						
	100 mm	1					1.000			
	Total						1.000			
				1	Total Quant	ity in no	1.000			
2.053	100.31.1.5									
	Conveying and fix insertions etc., con will be paid separa sluice valve	nplete, bu	t excluding t	he cost of the	providing be valve (tail p	olts, nuts, pieces, if r	rubber required,			
	200 mm valve for scour arrangements	2					2.000			
	Total	Z					2.000			
					Total Quant	ity in no	2.000			
2.054	100.31.1.6		e-PLATEOR	M FOR THE M	ANAGEMENT					
	Conveying and fix insertions etc., con will be paid separa 250 mm sluice val	nplete, bu tely): 250	t excluding t	he cost of the	providing be valve (tail p	olts, nuts, pieces, if r	rubber required,			
		1					1.000			
	Total						1.000			
				ı	Total Quant	ity in no	1.000			
2.055	100.32.1				20002 (000220	20) 111 110	2,000			
2.003	Conveying and fix nuts, rubber inserting required, will be p	ions etc.,	complete, bu	t excluding t	he cost of air	valve (ta				
	Air valve 25 mm			T	<u> </u>					
		22					22.000			
	Total						22.000			
				ı	Total Quant	ity in no	22.000			
2.056	100.32.2									
	Conveying and fix nuts, rubber inserti required, will be p	ions etc., o	complete, bu	t excluding t	he cost of air	valve (ta				
	Air valve									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	40mm	20					20.000		
	Total						20.000		
				,	Total Quant	ity in no	20.000		
2.057	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	on sqm	plan)		
	Excavation				<u> </u>				
	for valve chamber	7	1.600	1.600	1.500		26.880		
	Total						26.880		
				To	otal Quantity	y in cum	26.880		
2.058	4.1.3			laft)					
	Providing and layi of centering and sl (zone-III) : 4 grade	nuttering -	- All work up	to plinth lev	vel:1:2:4 (cer				
	PCC and Anch	or Block							
	Basement	7	1.600	1.600	0.100		1.792		
	Anchor Block	200	0.600	0.600	0.600		43.200		
	Total		OF PUBLIC	WORKS			44.992		
				To	otal Quantit	y in cum	44.992		
2.059	5.1.2								
	Providing and layi excluding the cost to plinth level:1:1: nominal size	of center	ing, shutterin	g, finishing	and reinforce	ement - Al	ll work up		
	RCC								
	Cover slab	21	0.500	1.500	0.250		3.938		
	base slab	7	1.500	1.500	0.150		2.363		
	side wall long	14	1.500	0.250	1.000		5.250		
	side wall Short	14	1.000	0.250	1.000		3.500		
	Total						15.051		
2.060	5 22 4			To	otal Quantit	y in cum	15.051		
2.000	Steel reinforcemer	5.22.4 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelHot rolled deformed bars							
	Steel reinforcement								
	@60 kg/cum for	15.051				60.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	@20 kg/cum for AB	72				20.000 000	1440.000			
	Total						2343.060			
				Total (Quantity in l	kilogram	2343.060			
2.061	5.9.2									
	Centering and shuthickness) including									
	Centering and s	huttering	Т	T		Г				
	side wall(out side)	7	1.5*4		1.000		42.000			
	side wall(in side	7	1*4		1.000		28.000			
	anchor block	200	0.6*4		0.600		288.000			
	Total						358.000			
			-63	To	otal Quantit	y in sqm	358.000			
2.062	5.9.3			NATH.						
	Centering and shufloors, roofs, landi				removal of f	form for:S	uspended			
	Centering and sh	uttering								
	cover slab-side wall	7	1.5*4	0.250	ANAGEMENT		10.500			
	cover slab-side wall	7	1.500	1.500			15.750			
	Total						26.250			
				To	otal Quantit	y in sqm	26.250			
3	Construction of 0.:	5 LL Capa	acity steel sto	orage tank Ne	ear Magna P	eak				
3.001	2.31									
	Clearing jungle ind saplings of girth up removal of rubbish	p to 30 cm	n measured a	t a height of	1 m above g	round leve	el and			
	Clearing jungle									
		1	6.000	6.000			36.000			
	Total						36.000			
				To	otal Quantit	y in sqm	36.000			
3.002	2.6.1									
	over areas (exceed including disposal	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil								
	Earth work									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	for ring beam	1	3.14*4.85 5		0.450	0.2500 00	1.715			
	cutting and levelling	1	5.500	5.500	0.750		22.688			
	Total						24.403			
		y in cum	24.403							
3.003	4.1.8									
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)									
	PCC 1:4:8	<u> </u>		T	Ţ	Ţ				
	For ring beam	1	3.14*4.85 5*4.855		0.200	0.2500 00	3.701			
	Total						3.701			
			L.S.	To	tal Quantity	y in cum	3.701			
3.004	5.2.2		AH)	DAFA)						
	shuttering, finishir stone aggregate 20 RCC 1:1.5:3 For ring beam	mm nom	3.14*4.85 5	M FOR THE M	0.450	arse sand	3.087			
	Total						3.087			
				To	tal Quantity	y in cum	3.087			
3.005	5.9.3									
	Centering and shu floors, roofs, landi Formwork				removal of f	orm for:S	uspended			
	FOIIIWOIK		3.14*5.30							
	Outer area	1	5.14 5.30		0.450		7.496			
	Inner area	1	3.14*4.40		0.450		6.224			
	Total						13.720			
				To	tal Quantit	y in sqm	13.720			
3.006	5.22.6									
	in position and bin bars of grade Fe-5	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								
	1 @ 120 lra/aum	@ 120 kg/cum								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		3.087				120.00 0000	370.440
	Total						370.440
				Total (Quantity in k	kilogram	370.440
3.007	2.25						
	Filling available exfoundation etc. in layer by ramming	layers not	exceeding 2	0 cm in dept	h, consolidat	ing each c	
	Earth filling and	compacti	ng				
		3.14	2.202	2.202	0.300		4.568
	Total						4.568
				To	otal Quantit	y in cum	4.568
3.008	OD104336/2022-2	2023					
	Supply of Sand inc charges as per the direction of de	· ·	658	ding, transpo	rtation and o	other incid	ental
	Sand filling		200	The same			
		3.14	2.202	2.202	0.150		2.284
	Total	X		₹ IL	_ ⊏		2.284
			e-PLATFOR	M FOR THE T	otal Quantity	y in cum	2.284
3.009	OD104335/2022-2	2023	UP PUBLIC	WUNCKS			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply, installation manufactured stee thickness of 0.6	l storage `	Water Tank l	naving a capa	acity of 5000	0 L(1Nos	.)
	mm, in multiple la multiplelayered PE sheet/membran	•	•		J		
	& the material shall be m	he Liner				•	
	standards. The Tar outlets, drains			•			
	and fittings, overfl to the						
	tanks shall be with TANK ROOF :The roof of the tar						
	with heavy- duty Hot-d		J				
	persons for maintenance ar roof, for	nd cleanin	ng and tank s	hall have an	access hatch	with cove	er, on the
	operation and Mai galvanized			The state of the s			
	vermin proof constape or other					•	C
	material, to preven the top edge of the tank w		e-PLATFOR	M FOR THE M	ANAGEMENT		•
	with Hotdip Galvanized ladders	Ü					•
	appropriately designed with relevant		1 0				
	spill level, air gap and bolts used for the panels		•				
	hardened. The tank shall hav				•	Ü	
	at the top, of minimum 2 mm		C				
	prior to being brought into servic 4.855m in	e TANK	DIMENSIO	NS: The dim	ensions of th	ne Tank sł	nall be of
	diameter and 2.9m years.	in height	DESIGN L	IFE: The tanl	ks shall have	a design	life of 40
	TANK CONNECT Flanged valve		·			,	
	ii) Overflow conne		C	- 1		•	
	the overflow capac of the tank with isolation	•		, , ,			
	purposedesigned and manufactured						
	ANSI/NSF 61 - 20						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	furnished by the manufacturer of the tanks. Tank liners shall: i) Be factory											
	manufactured to onepiece											
	construction, fabricated from multi-layer PE sheet, certified for potable drinking water,											
	to (ANSI/ NSF 61) and duly UV Stabilized. ii) Be of PE (polyethylene) in multi-layer											
	construction											
	for strength, reinforced with woven scrim industrial fabric to prevent elongation and											
	enhance											
	tensile strength. The total liner material thickness shall be no less than 0.6 mm thick.											
	The tensile	1 .1	2266 N. (1040	7 NI (C)	11 .	1.					
	strength shall not b	be less that	ın 2266 N (w	arp) and 249	5 N (weft) a	nd heat se	ealing					
	strength of 2056 N v) All the	liner weld	led lan ioints	shall he stre	nothened wit	th Metallo	ocene					
	encapsulating	illici wele	ica rap jonnes	shan be sire	inguiciled wi	iii ivicuiii	occiic					
	tape welded over t	he overla	p. vi) The Me	etallocene ta	pe shall cove	r and prot	tect the					
	exposed	•		•	-	-						
	material at the edg	es of the	liner joints to	further prev	ent the ingre	ess of wate	er into the					
	scrim. vii) Liners shall be pos	sitivaly on	daontinuous	dy attached t	o the ten out	or odgo o	f tha					
	circumference	sitively an	ia commuous	siy attached t	o the top out	er euge o	i iiie					
	of the tank to prev	ent entry	of water fron	n the runoff t	from the roof	f structure	. viii) All					
	liners on											
	tanks over 2m in h	eight shal	ll have a co <mark>nt</mark>	<mark>tinuo</mark> us interi	mediate liner	support of	designed					
	out of nylon	127		C C		1	1					
	(or other material) corresponding	cord, arou			,	ertical int	ervals					
	to the level of each	ring ix)		diate liner su		shall be fi	rmly					
	secured to the	i iiig. ia)	The memor	diate initer sa	pport cords	311 4 11 00 11						
	steel shell at each	level, to p	revent stress	on the liner	welded joint	s, and the	reby					
	eliminate	2000	0.001.011.00									
	possibility of failu	re CORR	OSSION PR	OTECTION.	. The tank sti	ructure sh	all have a					
	secondary corrosion protection	n system	using sacrifi	cial magnesi	um anodes '	The numb	er of					
	anodes, their	ni system	using sacriff	ciai magnesi	um anodes.	The numb	C1 01					
	location around the	e tank and	the mass of	each anode	shall be desig	gned for a	node					
	replacement					_						
	frequency of five y	years. The	anodes shall	l be installed	external to t	he tank a	nd concrete					
	apron with their location	marked v	with a emitable	v label Cost	for Tank sta	al with 10	vaore					
	guarantee	markeu v	villi a suitabi	y label-Cost	101 Talik Ste	er with 10	years					
	includes shel l,Stee	el wall,ste	el domed roo	of,Zinc Alun	n steel&:	amp;39;,	Cost for					
	Poly	,		,	1	1, ,,						
	ethylene infinity	T-11			1.6		,					
	liner, Geo syntheti											
	Support Arrangem ladder, Cost of	ienis,Cost	101 radficate	tu nems,ada	cimients and	accessori	es like steel					
	Fabricated nozzles, over flow nozzles and drain arrangements, Cost for HDG nut and											
	bolts, Freight Charges, Erection Installation and commissioning of tank components.											
	Steel Tank											
	Magaza	1	50000.00				50000.00					
	Magna peak	1	0				0					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Total						50000.00 0				
				То	tal Quantity	in Litre	50000.00				
3.010	OD104686/2022-2	2023									
	Dowel bars - Supp (1m in rock and 1r gap with cement g	n in conc	rete) includir								
	Dowel bar										
		38					38.000				
	Total						38.000				
				ı	Total Quant	tity in no	38.000				
4	Construction of 2.0	6LL Capa	city steel sto	orage tank at	Thondimala						
4.001	2.31			len.							
	Clearing jungle ind saplings of girth up removal of rubbish	p to 30 cm	n measured a	t a height of	1 m above g	round lev	el and				
	Clearing jungle			7 16		 					
		1	11.000	11.000			121.000				
	Total		e-PLATFOR	M FOR THE M	ANAGEMENT		121.000				
			OF PUBLIC	WORKS T	otal Quantit	y in sqm	121.000				
4.002	2.1.1										
	Earth work in surfa width as well as 10 lift up to 1.5 m, dis) sqm on	plan includin	g disposal of	f excavated e	earth up to	50 m and				
	For site levellin	ıg									
	Thodimala	1	11.000	11.000			121.000				
	steel tank for PCC	1	4.360	4.360		3.1400 00	59.690				
	Total						180.690				
				To	otal Quantit	y in sqm	180.690				
4.003	2.7.3	× 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. Hard rock (blasting prohibited)										
	Hard rock										
		1	10.000	7.000	0.300		21.000				
	Total						21.000				
				To	otal Quantit	y in cum	21.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
4.004	4.1.3									
	Providing and layi of centering and sl (zone-III) : 4 grade	le excludi nent : 2 co	ng the cost parse sand							
	PCC-1:2:4				,					
		1	4.360	4.360	0.200	3.1400 00	11.938			
	Total		11.938							
				To	tal Quantity	y in cum	11.938			
4.005	5.1.2									
	Providing and layi excluding the cost to plinth level:1:1: nominal size	of centeri	ng, shutterin	g, finishing a	nd reinforce	ment - Al	l work up			
	RCC Ring Beam	П	-3							
		1	8.739	0.450	0.450	3.1400 00	5.557			
	Total			TO SERVICE SER			5.557			
				To	tal Quantity	y in cum	5.557			
4.006	5.9.1									
	Centering and shu footings, bases of				removal of fe	orm for:F	oundations,			
	Centering and Sh	uttering	T							
	Outside									
		1	9.189		0.450	3.1400 00	12.984			
	Inside	1	9.189 8.289		0.450					
	Inside Total					3.1400	11.712			
				То		3.1400 00	11.712 24.696			
4.007				То	0.450	3.1400 00	11.712 24.696			
4.007	Total 5.22.6 Steel reinforcemer in position and bir	nt for R.C.	8.289 C work incluomplete upto	ıding straight	0.450	3.1400 00 y in sqm	11.712 24.696 24.696 g, placing			
4.007	Total 5.22.6 Steel reinforcement	nt for R.C.	8.289 C work incluomplete upto ore	ıding straight	0.450	3.1400 00 y in sqm	11.712 24.696 24.696 g, placing			
4.007	5.22.6 Steel reinforcement in position and bir bars of grade Fe-5	nt for R.C.	8.289 C work incluomplete upto ore	ıding straight	0.450	3.1400 00 y in sqm	11.712 24.696 24.696 g, placing y Treated			
4.007	5.22.6 Steel reinforcemer in position and bir bars of grade Fe-5 Reinforcement @	nt for R.C. nding all cood or mod 100kg/cu	8.289 C work incluomplete upto ore	ıding straight	0.450	3.1400 00 y in sqm				
4.007	5.22.6 Steel reinforcemer in position and bir bars of grade Fe-5 Reinforcement @ For ring beam	nt for R.C. nding all cood or mod 100kg/cu	8.289 C work incluomplete upto ore	nding straight plinth level	0.450	3.1400 00 y in sqm ng, bending echanicall 120.00 0000	11.712 24.696 24.696 g, placing y Treated 666.840			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	foundation etc. in	Filling available excavated earth (excluding rock) in trenches, plinth, sides foundation etc. in layers not exceeding 20 cm in depth, consolidating each layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.										
	Earth filling and compacting											
		1	4.140	4.140	0.300	3.1400 00	16.146					
	Total						16.146					
				To	otal Quantity	y in cum	16.146					
4.009	OD104428/2022-2	2023										
	Supply of Sand incharges as per the direction of de	· ·		ding, transpo	ortation and o	ther incid	ental					
	sand filling											
		1	4.140	4.140	0.150	3.1400 00	8.073					
	Total		TK.				8.073					
				To	otal Quantity	y in cum	8.073					
4.010	OD104440/2022-2	2023										

e-PLATFORM FOR THE MANAGEMENT OF PUBLIC WORKS

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply, installation manufactured steethickness of 0.6	l storage \	Water Tank l	naving a capa	ecity of 2600	00 L(1No	s.)
	mm, in multiple la multiplelayered PE sheet/membran	-	•		C		ıd
	the Liner material shall be m					,	0001 - 2000
	standards. The Tar outlets, drains	ık shall be	e supplied wi	th access poi	ints, penetrat	ions for i	nlets,
	and fittings, overfl to the tanks shall be with						
	TANK ROOF :The roof of the tar						
	with heavy- duty Hot-d		C				
	persons for maintenance ar roof, for	nd cleanin	g and tank sl	nall have an	access hatch	with cove	er, on the
	operation and Mai galvanized			and the second			
	vermin proof constape or other		.			-	C
	material, to preven the top edge of the tank w	Ū	e-PLATFOR	M FOR THE M	ANAGEMENT		•
	with Hotdip Galvanized ladder appropriately design	s internall	y or external	ly. External:	roof supports	s shall be	of an
	with relevant spill level, air gap and bolts		1 0				
	used for the panels hardened.	shall be	a minimum o	of 12mm size	and hot-dip	galvanize	ed/Case
	The tank shall hav		C				
	of minimum 2 mm prior to being brought into service			1 1 0			
	8.739m in diameter and 4.3m						
	years. TANK CONNECT	ΓΙΟΝS: S	tandard desig	gn valve outl	et connection	n : i) Suita	ıble CI
	Flanged valve ii) Overflow conne maximize	ection inc	luding an Int	ernal approv	ed bell-mout	h shaped	bends to
	the overflow capac of the	•		, , , ,			
	tank with isolation purposedesigned						
	and manufactured ANSI/NSF 61 - 20						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	furnished by the m	nanufactur	er of the tan	ks. Tank line	rs shall: i) B	e factory				
	manufactured to or		01 01 010 0001		15 5114111 1, 2	• 1000001				
	construction, fabri		n multi-layeı	PE sheet, ce	ertified for po	otable drin	nking water,			
	to		•		-					
	(ANSI/ NSF 61) a	nd duly U	V Stabilized	. ii) Be of PE	E (polyethyle	ne) in mu	lti-layer			
	construction	1 1.1				. 1				
	for strength, reinfo	orced with	woven scrir	n industrial f	abric to prev	ent elong	ation and			
	enhance	ha tatal 1:.		-hialmaga aha	Il ha na laga	than 0 6 x	non thiale			
	tensile strength. The total liner material thickness shall be no less than 0.6 mm thick. The tensile									
	Strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing									
	strength shall not be less than 2200 N (warp) and 2493 N (well) and heat sealing strength of									
	2056 N v) All the liner welded lap joints shall be strengthened with Metallocene									
	encapsulating									
	tape welded over the overlap. vi) The Metallocene tape shall cover and protect the									
	exposed									
	material at the edg	es of the	liner joints to	further prev	ent the ingre	ess of wate	er into the			
	scrim. vii)	. 1411	4		41 4		C 41			
	Liners shall be pos	sitively an	a continuous	siy attached t	to the top out	er eage of	tne			
	of the tank to prev	ent entry	of water from	n the runoff t	from the root	Structure	viii) All			
	liners on	chi chi y	or water from	ii tiic ruiioii i	iroin the root	structure	. VIII <i>) T</i> III			
	tanks over 2m in h	eight shal	ll have a con	tinuous inter	mediate liner	support of	designed			
	out of nylon	8				TI				
	(or other material)	cord, arou	and the circu	mference of	the tank, at v	ertical int	ervals			
	corresponding			M FOR THE M						
	to the level of each	ring. ix)	The interme	diate liner su	pport cords s	shall be fi	rmly			
	secured to the	11 4		an 4h a 1in an	معناها ما المناسط	مطلالمسم	.			
	steel shell at each leliminate	ievei, to p	revent stress	on the inter	weided joint	s, and the	reby			
	possibility of failu	re CORR	OSSION PR	OTECTION	The tank str	nicture sh	all have a			
	secondary	ie com	OBBIOIVII	or Ecrory	. The talk sti	actare sir	an nave a			
	corrosion protection	on system	using sacrifi	cial magnesi	um anodes.	The numb	er of			
	anodes, their	J	C	C						
	location around the	e tank and	the mass of	each anode	shall be desig	gned for a	node			
	replacement	and a								
	frequency of five y	years. The	anodes shal	l be installed	external to t	he tank ai	nd concrete			
	apron with their location	marked v	vith a cuitabl	v label Cost	for Tank star	al with 10	voore			
	guarantee	markeu v	viui a suitabl	y 1auci-Cost	101 Talik Ste	or with 10	years			
	includes shel 1,Ste	el wall.ste	el domed ro	of.Zinc Alum	n steel&:	amp:39: 0	Cost for			
	Poly			,	p,	,				
	ethylene infinity									
	liner, Geo syntheti									
	Support Arrangem	ents,Cost	for Fabricat	ed items,atta	chments and	accessori	es like steel			
	ladder, Cost of	over fla	rr moggles s :-	d duoin sees	aamanta C	of for IID	C must cond			
	Fabricated nozzles bolts, Freight Char									
	GLSR at Thodima		on mstanatio	ni anu conin	nssioning of	talik COIII	ponents.			
							2 < 0 0 0 0 0			
	Dia- 8.739m, ht-	26000					260000.0			
I	4.3m	0					00			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						260000.0 00			
				To	tal Quantity	in Litre	260000.0 00			
4.011	OD105221/2022-2	2023				•				
	Dowel bars - Supp (1m in rock and 1r gap with cement g	n in conc	rete) includir							
	Dowel Bars- 16m									
		60					60.000			
	Total	Total								
		ity in no	60.000							
5	Construction of 2.5	9LL Steel	storage tank	at Puthadi T	Гор					
5.001	2.1.1		4	WΛ						
	Earth work in surf width as well as 10 lift up to 1.5 m, dis) sqm on	plan includin	g disposal of	f excavated e	arth up to	50 m and			
	For Site Levelli	ing		7 16						
	Puthadi top GLSR	1	12.500	12.500			156.250			
	For site leveling	1	3.14*12.1 02*12.10 2	WORKS	ANAGEMENT	0.2500 00	114.970			
	Total						271.220			
				Te	otal Quantit	y in sqm	271.220			
5.002	4.1.3									
	Providing and layi of centering and sh (zone-III): 4 grade	nuttering -	- All work up	to plinth lev	vel:1:2:4 (cer					
	For PCC									
	Puthadi top GLSR	1	5.826	5.826	0.150	3.1400 00	15.987			
	Total						15.987			
				To	otal Quantit	y in cum	15.987			
5.003	5.1.2									
	excluding the cost	Providing and laying in position specified grade of reinforced cement concrete, xcluding the cost of centering, shuttering, finishing and reinforcement - All work up o plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm								
	For Ring Beam		<u></u>		<u> </u>	,				
		1	11.652	0.450	0.450	3.1400 00	7.409			

	Total							
							7.409	
				To	tal Quantity	y in cum	7.409	
5.004	5.9.1							
	Centering and shut footings, bases of				removal of fo	orm for:F	oundations,	
	Centering and Sh	uttering						
	Outside	3.14	12.102		0.450		17.100	
	Inside	3.14	11.202		0.450		15.828	
	Total							
				To	otal Quantity	y in sqm	32.928	
5.005	5.22.6							
	Steel reinforcement in position and bin bars of grade Fe-50	ding all co	omplete upto	ding straigh plinth level	tening, cuttir Thermo - Me	ng, bendin echanically	g, placing y Treated	
	Steel Reinforcen	nent	a King	57/10				
	@120 kg/cum	1	7.409			120.00 0000	889.080	
1	Total			-			889.080	
				Total Q	uantity in k	ilogram	889.080	
5.006	2.25		e-PLATFORM OF PUBLIC Y	M FOR THE M WORKS	ANAGEMENT			
	Filling available ex foundation etc. in layer by ramming	layers not	exceeding 20	cm in deptl	n, consolidati	ing each d		
	Earth filling and C	Compactin	ıg			-		
		3.14	5.601	5.601	0.300		29.552	
	Total						29.552	
				To	tal Quantity	y in cum	29.552	
5.007	OD104269/2022-2	2023						
	Supply of Sand inc charges as per the direction of de-	_	_	ling, transpo	rtation and o	ther incid	ental	
	Sand Filling							
		3.14	5.601	5.601	0.150		14.776	
	TT 4 1						14.776	
	Total						17.770	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Supply, installation manufactured stee thickness of 0.6							
	mm, in multiple la multiplelayered	yers as re	quired for th	e capacity an	d height of the	he tank ar	nd	
	PE sheet/membrar & t	he Liner				,		
	material shall be n standards. The Tar outlets, drains							
	and fittings, overfl to the							
	tanks shall be with flanged or threaded nozzles, placed to the KWA water mains TANK ROOF :The roof of the tank shall be of corrugated Galvalume sheet steel and shall be domed,							
	with heavy- duty Hot-d		<u> </u>					
	persons for maintenance ar	_		1a/1\	_	_	_	
	roof, for operation and Mai	ntenance	TANK COV	ER :Tank co	vers shall be	of approv	ved	
	galvanized vermin proof cons tape or other	truction. l	Roof ends sh	all be fitted v	with suitable	vermin-p	roofing	
	material, to preventhe top		e-PLATFOR	M FOR THE M	ANAGEMENT		•	
	edge of the tank w with Hot dip	· ·					•	
	Galvanized ladder appropriately designification with relevant							
	spill level, air gap and bolts		•					
	used for the panels hardened.				-			
	The tank shall hav at the top, of minimum 2 mm		_					
	prior to being brought into service	ce TANK	DIMENSIO	NS: The dim	ensions of th	ie Tank sł	nall be of	
	11.652m in diamed life of 40 years.	ter and 2.	m meigni	DESIGN LI	re: The tank	.s shan ha	ve a design	
	TANK CONNECT Flanged valve		·			,		
	ii) Overflow conne maximize					-		
	the overflow capac of the tank with isolation	•		, , , ,				
	purposedesigned and manufactured							
	ANSI/NSF 61 - 20							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	furnished by the m	anufactur	er of the tan	ks. Tank line	rs shall: i) B	e factory					
	manufactured to or				,	j					
	construction, fabri	cated fron	n multi-layeı	PE sheet, ce	ertified for po	otable drin	nking water,				
	to										
	(ANSI/ NSF 61) a	nd duly U	V Stabilized	. ii) Be of PE	E (polyethyle	ne) in mu	lti-layer				
	construction	1 '.1		. 1 1 .	. 1	. 1	1				
	for strength, reinfo	orcea with	woven scrir	n industrial i	abric to prev	ent elong	ation and				
	enhance tensile strength. The total liner material thickness shall be no less than 0.6 mm thick.										
	The tensile total liner material thickness shall be no less than 0.6 mm thick.										
	Strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing										
	strength shall not be less than 2200 N (warp) and 2493 N (well) and heat sealing strength of										
	2056 N v) All the liner welded lap joints shall be strengthened with Metallocene										
	encapsulating										
	tape welded over the overlap. vi) The Metallocene tape shall cover and protect the										
	exposed										
	material at the edges of the liner joints to further prevent the ingress of water into the										
	scrim. vii) Liners shall be pos	itivaly on	daontinuou	alv ottochod t	o the ten ent	or odga a	f tha				
		sitively an	ia continuous	siy attached t	o the top out	er euge o	i tile				
	circumference of the tank to prevent entry of water from the runoff from the roof structure. viii) All										
	liners on	one oner y	or water from	ir the runoir i	from the root	Structure	. 1111/1111				
	tanks over 2m in h	eight shal	ll have a con	tinu <mark>o</mark> us inter	mediate liner	support of	designed				
	out of nylon										
	(or other material)	cord, arou	and the circu	mference of	the tank, at v	ertical int	ervals				
	corresponding			M FOR THE M		1 11 1 6					
	to the level of each	i ring. ix)	The interme	diate liner su	pport cords s	shall be fi	rmly				
	secured to the steel shell at each	laval ta n	rariant atraca	on the liner	walded isint	a and tha	eaby.				
	eliminate	ievei, to p	revent suess	on the inier	weided joint	s, and the	leby				
	possibility of failu	re CORR	OSSION PR	OTECTION	The tank str	nicture sh	all have a				
	secondary	ic contr	OBBIOIVII	or Ecrory	. The talk sti	actare sir	an nave a				
	corrosion protection	on system	using sacrifi	cial magnesi	um anodes.	The numb	er of				
	anodes, their	•	C	C							
	location around the	e tank and	the mass of	each anode	shall be desig	gned for a	node				
	replacement	(TD)		11	. 1		1 ,				
	frequency of five y	years. The	anodes shal	l be installed	external to t	he tank ai	nd concrete				
	apron with their location	marked v	vith a cuitabl	v label Cost	for Tank star	al with 10	vaore				
	guarantee	markeu v	viui a suitabl	y 1auci-Cost	101 Talik Ste	or with 10	years				
	includes shel l,Ste	el wall.ste	el domed ro	of.Zinc Alum	n steel&:	amp:39:.0	Cost for				
	Poly			,	p,	,					
	ethylene infinity										
	liner ,Geo syntheti										
	Support Arrangem	ents,Cost	for Fabricat	ed items,atta	chments and	accessori	es like steel				
	ladder, Cost of	over fla	rr moggles s :-	d duoin sees	aamanta C	of for IID	C must cond				
	Fabricated nozzles bolts, Freight Char										
	Steel Tank	ges,litecti	on mstanati	ni anu conili	nssioning of	tank com	ponents.				
	SICCI TAIIK	20000					200000				
		29000					290000.0				
I		0					00				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total						290000.0 00			
				To	tal Quantity	in Litre	290000.0 00			
5.009	OD105255/2022-2	2023								
	Dowel bars - Supp (1m in rock and 11 gap with cement g	m in conc	rete) includir	IS dowel barng drilling ho	s of size 16m les of 20mm	nm dia of dia and f	2m long illing the			
	Dowel bars 16mn									
			90.000							
	Total		90.000							
				,	Total Quant	ity in no	90.000			
6	Construction of 4	LL Sump	cum Pump h	ouse at Poor	para					
6.001	2.31		Λ	le/).						
	Clearing jungle in saplings of girth ure removal of rubbish	p to 30 cm	n measured a	t a height of	1 m above g	round leve	el and			
	Cleaning jungle			711						
		1	16.000	10.000			160.000			
	Total		e-PLATFOR	M FOR THE M	ANAGEMENT		160.000			
			OF PUBLIC	WORKS To	otal Quantit	y in sqm	160.000			
6.002	2.8.1									
	Earth work in exca in foundation trend including dressing out the excavated of 50 m.All kinds	ches or dr of sides a soil and d	ains (not exc and ramming	eeding 1.5 m of bottoms,	in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting			
	Earth work									
	For levelling sump	1	14.500	8.500	0.400	0.2500 00	12.325			
	Compound wall	1	49.000	0.300	0.300	0.2500 00	1.103			
	Total						13.428			
				To	otal Quantity	y in cum	13.428			
6.003	2.7.3									
	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. Hard rock (blasting prohibited)									
	over areas (exceed including disposal	of excava	ated earth, le	ad up to 50 n	n and lift up	to 1.5 m, d				
	over areas (exceed including disposal	of excava	ated earth, le	ad up to 50 n	n and lift up	to 1.5 m, d				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Compound wall	1	49.000	0.300	0.100	0.7500 00	1.103				
	Total		·				27.925				
				To	tal Quantit	y in cum	27.925				
6.004	OD74847/2022-20)23									
	:DOWEL BARS_ Supplying and providing MS dowel bars of size 16 mm dia, 200 cm long including drilling holes of 20 mm dia to a depth of 100 cm in rock and filling the gap with cement grout (0.100kg/hole) etc complete Dowel bar										
	Dowel bar	• • •					• • • • • • • • • • • • • • • • • • • •				
		200					200.000				
	Total			_		_	200.000				
6.005			,	lar'i.	Fotal Quant	ity in no	200.000				
	4.1.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)										
	PCC upto plint	h level									
	Sump	1	15.100	9.100	0.150		20.612				
	Footing PCC	8	1.300	1.300	0.100		1.352				
	compound wall	1	49.000	0.300	0.100		1.470				
	Deduction for Footing	-8	1.300	1.300	0.150		-2.028				
	Total						21.406				
				To	tal Quantity	y in cum	21.406				
6.006	5.33.1										
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work upto plinth level										
	Upto plinth lev	vel									
	Base slab	1	14.500	8.500	0.250		30.813				
	Foundation	8	1.200	1.200	1.200		13.824				
	compound wall plinth beam	1	49.000	0.300	0.300		4.410				
	Total						49.047				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
				To	otal Quantit	y in cum	49.047				
6.007	5.33.2										
	Providing and layi 25 grade cement c as per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	oncrete for esign mix, of centering mmended workabilities in-chass or less	r reinforced including pung, shuttering proportions ty without in large. Note:-cement used	cement concumping of cog, finishing as per IS: 91 as per inpairing streament concurrence as per designation.	rete work, us ncrete to site and reinforce 103 to accele ngth and dur tent consider n mix is pays	sing ceme of laying ement, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @				
	Above pli	nth level									
	Side wall	1	45.000	0.250	4.000	0.7000	45.000				
	Haunch	1	44.000	0.700	0.400	0.5000 00	6.160				
	Cover slab of sump(PH base)	1	6.300	3.300	0.080		1.663				
	Cover slab of sump	1	15.100	9.100	0.120		16.489				
	Beam under roof slab- Long beam	2	14.500	0.300	0.330		2.871				
	Beam under roof slab- Short beam	4	8.000	0.300	0.330		3.168				
	Column inside sump	8	3.670	0.300	0.300		2.642				
	Cover slab of PH	1	6.700	3.700	0.120		2.975				
	Shade for pump house	1	21.600	0.600	0.075		0.972				
	Lintel	1	15.700	0.200	0.100		0.314				
	PH Beam under roof slab	7	2.700	0.300	0.200		1.134				
	Column PH	6	0.300	0.300	2.800		1.512				
	Deduction- Manhole cover	-8	0.455	0.610	0.200		-0.444				
	Deduction- sump beam	-8	0.300	0.300	0.330		-0.238				
	Total						84.218				
				To	otal Quantit	y in cum	84.218				
6.008	5.34.1										
	Extra for providing specified cement of grade concrete institution in M-30 is @ 340	ontent use tead of M	ed is payable	/ recoverable	e separately.I	Providing	M-30				
	Extra for richer	mixes									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Side wall	1	45.000	0.250	3.750		42.188		
	Haunch	1	44.000	0.700	0.400	0.5000 00	6.160		
	Cover slab of sump(PH base)	1	6.300	3.300	0.080		1.663		
	Cover slab of sump	1	15.100	9.100	0.120		16.489		
	Beam under roof slab- Long beam	2	14.500	0.300	0.330		2.871		
	Beam under roof slab- Short beam	4	8.000	0.300	0.330		3.168		
	Column inside sump	8	3.420	0.300	0.300		2.462		
	Cover slab of PH	1	6.700	3.700	0.120		2.975		
	Shade for pump house	1	21.600	0.600	0.075		0.972		
	Lintel	1	15.700	0.200	0.100		0.314		
	PH Beam under roof slab	7	2.700	0.300	0.200		1.134		
	Column PH	6	0.300	0.300	2.800		1.512		
	Deduction- Manhole cover	-8	0.455	0.610	0.200		-0.444		
	Deduction-sump beam	-8	0.300	0.300	0.330		-0.238		
	Base slab	1	14.500	8.500	0.250		30.813		
	Foundation	8	1.200	1.200	1.200		13.824		
	Total						125.863		
				To	otal Quantit	y in cum	125.863		
6.009	Providing and mixing integral crystalline admixture for waterproofing treatment to RCC structures like basement raft, retaining walls, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc at the time of transporting of concrete into the drum of the ready-mix truck, using integral crystalline admixture @0.80% (minimum) to the weight of cement content per cubic meter of concrete) or higher as recommended by the manufacturer's specification in reinforced cement concrete at site of work. 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. The crystalline admixture 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 Engineer-in-charge. The product performance shall carry guarantee for								
	10 years against ar admixture	ij isanage							
	@0.8% of cement	95.325	330.000			0.0080	251.658		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Total						251.658				
				ŗ	Total Quant	ity in kg	251.658				
6.010	5.9.1										
	Centering and shut footings, bases of				removal of fo	orm for:F	oundations,				
	Form work Base s	lab									
	Base slab for sump	1	46.000		0.250		11.500				
	Column Foundation	8	4.800		1.200		46.080				
	Total						57.580				
				To	otal Quantity	y in sqm	57.580				
6.011	5.9.2										
	Centering and shut thickness) including										
	Form work S	ump- wal	ll, pump hous	se,Compound	d wall	Г					
	Sump- wall outside	1	46.000	3-16	3.750		172.500				
	Sump- wall inside	1	44.000	< 11	3.750		165.000				
	Lintel	2	15.700	WORKS	0.100		3.140				
	Compound wall	2	49.000		0.300		29.400				
	Total						370.040				
	Total Quantity in sqm 370.0										
6.012	5.9.3										
	Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform										
	Form worl	K	<u> </u>	<u> </u>							
	Cover slab of sump	1	15.100	9.100			137.410				
	deduction for wall	-1	45.000	0.250			-11.250				
	Side of cover slab	1	48.400		0.120		5.808				
	Cover slab- PH	1	6.700	3.700			24.790				
	Side of cover slab- PH	1	20.800	0.120			2.496				
	deduction for wall PH	-1	18.400	0.200			-3.680				
	Long beam Sump	2	14.000	1.300			36.400				
	Short beam Sump	4	7.400	1.200			35.520				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Column sump	8	1.200		3.250		31.200
	Column PH	6	1.200		2.700		19.440
	Beam PH	6	2.700		0.600		9.720
	Beam PH	1	2.700		0.800		2.160
	sunshade	1	21.600		0.600		12.960
	sunshade side	1	21.600		0.075		1.620
	haunch	1	44.000		0.800		35.200
	Total						339.794
				To	otal Quantit	y in sqm	339.794
6.013	5.22.6				-		
	Steel reinforcemer in position and bir bars of grade Fe-5	nding all co	omplete upto ore	ding straigh plinth level	tening, cuttir Thermo - Me	ng, bendin echanically	g, placing y Treated
	Reinforcement		cum			120.00	15001.00
		133.26	400	KALM		120.00 0000	15991.80 0
	Total			3-16	- [15991.80 0
		M	e-PLATFORM	Total Ç	Quantity in k	xilogram	15991.80 0
6.014	50.6.1.2		OF POBUL V	WORKS		•	
6.014	50.6.1.2 Solid block mason or nearest availabl floor two level this complete.	le size con	firming to IS	2185 part I	of 1979 for s	super struc	cture up to
6.014	Solid block mason or nearest availabl floor two level thic	e size con ckness 20d	firming to IS	2185 part I	of 1979 for s	super struc	cture up to
6.014	Solid block mason or nearest availabl floor two level this complete.	e size con ckness 20d	firming to IS	2185 part I	of 1979 for s	super struc	eture up to and) etc
6.014	Solid block mason or nearest availabl floor two level this complete. Solid block mason	e size conckness 20c	firming to IS em and above	2185 part I e in: CM 1:6	of 1979 for s (1 cement:	super struc	eture up to and) etc
6.014	Solid block mason or nearest availabl floor two level this complete. Solid block mass wall PH	e size con ckness 200 onry	firming to IS em and above	2185 part I e in: CM 1:6	of 1979 for s (1 cement: 2.700	super struc	eture up to and) etc
6.014	Solid block mason or nearest availabl floor two level this complete. Solid block mass wall PH Deduction- RS Deduction-	onry 1 -1	18.400 2.400	2185 part I e in: CM 1:6 0.200 0.200	2.700 2.700	super struc	9.936 -1.296
6.014	Solid block masor or nearest available floor two level this complete. Solid block mass wall PH Deduction- RS Deduction- Window Deduction for	onry 1 -1 -5	18.400 2.400 1.500	2185 part I e in: CM 1:6 0.200 0.200 0.200	2.700 2.700 1.500	super struc	9.936 -1.296 -2.250
6.014	Solid block mason or nearest available floor two level this complete. Solid block mass wall PH Deduction-RS Deduction-Window Deduction for column width	onry 1 -1 -5	18.400 2.400 1.500	2185 part I e in: CM 1:6 0.200 0.200 0.200 0.300	2.700 2.700 1.500	super struc 6 coarse s	9.936 -1.296 -2.250
	Solid block mason or nearest available floor two level this complete. Solid block mass wall PH Deduction-RS Deduction-Window Deduction for column width	onry 1 -1 -5	18.400 2.400 1.500	2185 part I e in: CM 1:6 0.200 0.200 0.200 0.300	2.700 2.700 1.500 0.300	super struc 6 coarse s	9.936 -1.296 -2.250 -1.458 4.932
	Solid block mason or nearest available floor two level this complete. Solid block mass wall PH Deduction- RS Deduction- Window Deduction for column width Total	onry 1 -1 -5 -6 ary using pee size con	18.400 2.400 1.500 2.700 ore cast solid firming to IS	2185 part I e in: CM 1:6 0.200 0.200 0.300 To blocks (Fact 2185 part I e	2.700 2.700 2.700 0.300 ory made) of of 1979 for s	y in cum f size 40x2	9.936 -1.296 -2.250 -1.458 4.932 4.932
	Solid block mason or nearest available floor two level this complete. Solid block mass wall PH Deduction- RS Deduction- Window Deduction for column width Total 50.6.1.8 Solid block mason or nearest available floor two level with	onry 1 -1 -5 -6 ary using ple size conth thickness	18.400 2.400 1.500 2.700 ore cast solid firming to IS as 15cm in: Common content of the content of the common content of the content of the common conten	2185 part I e in: CM 1:6 0.200 0.200 0.300 To blocks (Fact 2185 part I e	2.700 2.700 2.700 0.300 ory made) of of 1979 for s	y in cum f size 40x2	9.936 -1.296 -2.250 -1.458 4.932 20x15cm eture up to

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Parapet	1	20.000	0.150	0.450		1.350
	Total						16.050
				To	tal Quantity	y in cum	16.050
6.016	13.7.1						
	12 mm cement plas cement : 3 fine san	ster finish d)	ed with a flo	oating coat of	neat cement	of mix:1	:3 (1
	Deduction Plaste	ring					
	Rolling shutter	-2	2.400		2.700		-12.960
	Window	-10	1.500		1.500		-22.500
	Manhole cover	-8	0.455	0.610			-2.220
	Total						-37.680
	Plastering						
		1		h. 40.			1.000
	Base slab for sump	1	46.000		0.250		11.500
	Sump- wall outside	1	46.000		3.750		172.500
	Sump- wall inside	1	44.000	₹IL	3.350		147.400
	Cover slab of sump top	1	15.100	9.100	ANAGEMENT		137.410
	deduction for wall	-1	45.000	0.250			-11.250
	Side of cover slab	1	48.400		0.120		5.808
	Cover slab- PH top	1	6.700	3.700			24.790
	Side of cover slab- PH	1	20.800	0.120			2.496
	deduction for wall PH	-1	18.400	0.200			-3.680
	Column sump	8	1.200		3.250		31.200
	Column PH	6	1.200		2.700		19.440
	sunshade top	1	21.600		0.600		12.960
	sunshade side	1	21.600		0.075		1.620
	wall PH	2	18.400	0.200	2.700		19.872
	Compound wall	2	49.000	0.200	1.500		29.400
	Parapet	2	20.000	0.150	0.450		2.700
	haunch	1	44.000		0.800		35.200
	Total						640.366
				To	otal Quantity	y in sqm	602.686

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
6.017	13.16.1			ч	-	-					
	6 mm cement plast	er of mix	:1:3 (1 ceme	nt : 3 fine sa	nd)						
	6mm cement plast	er									
	Cover slab of sump bottom	1	15.100	9.100			137.410				
	deduction for wall	-1	45.000	0.250			-11.250				
	Cover slab- PH bottom	1	6.700	3.700			24.790				
	deduction for wall PH	-1	18.400	0.200			-3.680				
	Long beam Sump	2	14.000	1.300			36.400				
	Short beam Sump	4	7.400	1.200			35.520				
	Beam PH	6	2.700	n/L	0.600		9.720				
	Beam PH	1	2.700		0.800		2.160				
	sunshade bottom	1	21.600		0.600		12.960				
	Total						244.030				
				To	tal Quantity	in sqm	244.030				
6.018	13.47.1										
	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) Painting										
	Rolling shutter										
		-2	2.400		2.700		-12.960				
	Window	-2 -10	2.400		2.700 1.500		-12.960 -22.500				
	Window Manhole cover		2.400 1.500 0.455	0.610			-12.960 -22.500 -2.220				
	1	-10	1.500	0.610			-22.500				
	Manhole cover Base slab for	-10 -8	1.500 0.455	0.610	1.500		-22.500 -2.220				
	Manhole cover Base slab for sump Sump- wall	-10 -8 1	1.500 0.455 46.000	0.610	0.250		-22.500 -2.220 11.500				
	Manhole cover Base slab for sump Sump- wall outside deduction for	-10 -8 1	1.500 0.455 46.000 46.000		0.250		-22.500 -2.220 11.500 172.500				
	Manhole cover Base slab for sump Sump- wall outside deduction for wall	-10 -8 1 1 -1	1.500 0.455 46.000 46.000 45.000		1.500 0.250 3.750		-22.500 -2.220 11.500 172.500 -11.250				
	Manhole cover Base slab for sump Sump- wall outside deduction for wall Side of cover slab Side of cover	-10 -8 1 1 -1	1.500 0.455 46.000 46.000 45.000 48.400	0.250	1.500 0.250 3.750		-22.500 -2.220 11.500 172.500 -11.250 5.808				
	Manhole cover Base slab for sump Sump- wall outside deduction for wall Side of cover slab Side of cover slab- PH deduction for	-10 -8 1 1 -1 1	1.500 0.455 46.000 46.000 45.000 48.400 20.800	0.250	1.500 0.250 3.750		-22.500 -2.220 11.500 172.500 -11.250 5.808 2.496				
	Manhole cover Base slab for sump Sump- wall outside deduction for wall Side of cover slab Side of cover slab- PH deduction for wall PH	-10 -8 1 1 -1 1 1	1.500 0.455 46.000 46.000 45.000 48.400 20.800 18.400	0.250	1.500 0.250 3.750 0.120		-22.500 -2.220 11.500 172.500 -11.250 5.808 2.496 -3.680				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	wall PH	2	18.400	0.200	2.700		19.872
	Compound wall	2	49.000	0.200	1.500		29.400
	Parapet	2	20.000	0.150	0.450		2.700
	deduction for wall	-1	45.000	0.250			-11.250
	Cover slab- PH bottom	1	6.700	3.700			24.790
	deduction for wall PH	-1	18.400	0.200			-3.680
	Beam PH	6	2.700		0.600		9.720
	Beam PH	1	2.700		0.800		2.160
	sunshade bottom	1	21.600		0.600		12.960
	Total						260.386
				To	tal Quantity	y in sqm	260.386
6.019	13.44.1		(1) E				
	Finishing walls wi or more coats appl	th water p ied @ 3.8	oroofing cem 4 kg/10 sqm	ent paint of re	equired shad	e:New wo	ork (Two
	water proofing c			3-16			
	Sump- wall inside	1	44.000	W SOO THE W	3.350		147.400
	Long beam Sump	2	14.000	1.300			36.400
	Short beam Sump	4	7.400	1.200			35.520
	Column sump	8	1.200		3.250		31.200
	haunch	1	44.000		0.800		35.200
	Total						285.720
				To	tal Quantity	y in sqm	285.720
6.020	13.71						
	Lettering with blace	k Japan p	int of approv	ed brand and	l manufactur	e	
	Lettering						
		100					100.000
	Total						100.000
			Total Quar	ntity in per I	∠etter per cr	n height	100.000
6.021	10.25.2						
	Item Shifted to Sul Item Shifted to hea Steel work welded in position and app etc. as required.In similar works	nd 14 as it in built u plying a pr	em 14.74 p sections/fr riming coat o	amed work, i	teel primer u	sing struc	ctural steel

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	For Ladder,gat	e and han	d rail									
		950					950.000					
	Total						950.000					
				ı	Total Quant	ity in kg	950.000					
6.022	100.41.34											
	Supplying and fixing Rectangular C.I. manhole cover 455mm x 610mm with frame (low duty) charges including all cost, labour charges etc., complete.											
	Man hole cover			Т	T							
		8					8.000					
	Total						8.000					
					Total Quant	ity in no	8.000					
6.023	9.48.2											
	Providing and fixing M.S. flats, square all complete. Fixed	or round b	oars etc. incl	uding primin	g coat with a	pproved s						
	M.S Grill	ı	1000	Market	Γ							
	N	150		716			150.000					
	Total			\leftarrow			150.000					
			- PLATFOR	M FOR THE M	Total Quant	ity in kg	150.000					
6.024	10.6.1		OF PUBLIC	WORKS								
	Supplying and fixilaths, interlocked to end locks, mounted arrangements for it including the cost manufactured from - part 1 and M.S. to laths with 1.25 mm	ogether the d on speci nside and of providi n high ten- op cover (arough their cally designe outside locking and fixin sile steel wird required the	entire length d pipe shaft ing with pus g necessary 2 e of adequate	and jointed to with brackets hand pull op 27.5 cm long e strength co	cogether a s, side gui- peration co wire spri- nforming	t the end by des and omplete, ngs to IS: 4454					
	Rolling shutter			Т	Г	<u> </u>						
		1	2.400		2.700		6.480					
	Total						6.480					
				To	otal Quantit	y in sqm	6.480					
6.025	OD74851/2022-20)23										
	:Providing suitable per the direction of depart		C	gements by t	using 100 mr	n CI vent	cowls as					
	Vent cowl											
		2					2.000					
	Total						2.000					
							<u>⊿.000</u>					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
6.026	21.1.1.2											
	with extruded buil sections of approv fasteners of requirile. at top, bottom Aluminium section mechanically when glazing /paneling, drawings and the of fasteners to be paid	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminnium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately): For fixed portionPowder coated aluminium (minimum thickness of powder coating 50 micron)										
	Aluminium works											
		1	12.000				12.000					
	Total			_			12.000					
			-63		Total Quant	ity in kg	12.000					
6.027	21.1.2.2			2017								
	separately)Powder micron) Aluminium for shu Total	_		M FOR THE M	-	der coatir	12.000 12.000					
				,	Total Quant	ity in kg	12.000					
6.028	21.3.1 Providing and fixi	na alazina	r in aluminiu				12.000					
	Inartitions atc. with	TDDM	5 111 aranının	III GOOL, WIII			s and					
	architectural draw aluminium snap be thickness	ings and t	he directions	ene gasket e of Engineer	tc. complete - in -Charge	as per the . (Cost of	} -					
	architectural drawal aluminium snap be	ings and t	he directions all be paid in	ene gasket e of Engineer	tc. complete - in -Charge With float gla	as per the . (Cost of	} -					
	architectural draw aluminium snap be thickness	ings and t	he directions	ene gasket e of Engineer	tc. complete - in -Charge	as per the . (Cost of	} -					
	architectural draw aluminium snap be thickness	ings and t	he directions all be paid in	ene gasket e of Engineer	tc. complete - in -Charge With float gla	as per the . (Cost of	of 4.0 mm					
	architectural draw aluminium snap be thickness Glass for shutter Total	ings and t	he directions all be paid in	ene gasket e of Engineer basic item):	tc. complete - in -Charge With float gla	as per the . (Cost of ass panes	of 4.0 mm 6.750					
6.029	architectural draw aluminium snap be thickness Glass for shutter Total 21.15.2 Providing and fixialuminium window minimum thickness	ings and the eading shared for the eading shared for the eading shared for the eading shared for the eading aluming aluming with news 50 micross 50 micros	ne directions all be paid in 0.750	rene gasket e of Engineer basic item): Te nt windows fessary screws	tc. complete - in -Charge With float gla 1.500 otal Quantit	as per the . (Cost of ass panes y in sqm quired len	6.750 6.750 6.750 gth for					
6.029	architectural draw aluminium snap be thickness Glass for shutter Total 21.15.2 Providing and fixialuminium window	ings and the eading shared for the eading shared for the eading shared for the eading shared for the eading aluming aluming with news 50 micross 50 micros	ne directions all be paid in 0.750	rene gasket e of Engineer basic item): Te nt windows fessary screws	tc. complete - in -Charge With float gla 1.500 otal Quantit	as per the . (Cost of ass panes y in sqm quired len	6.750 6.750 6.750 gth for					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Total						10.000		
					Total Quant	ity in no	10.000		
6.030	18.26.1					-1			
	Providing and layi caps etc., suitable						lars, tapers,		
	Providing and layi	ng C.I sta	ndard specia	ls					
	250mm wall casting pipes for inlet, overflow etc	2				0.4700 00	0.940		
	100mm wall casting pipes for outlet,scour etc	2				0.2000	0.400		
	Total						1.340		
	Total Quantity in quintal								
6.031	100.36.1								
	Filling water with of 5 km (average) height not less that and other applience Filling water	to the reson 3 m usin	ervoir site anng 5 HP diese	d pumping the contract of the	he water into	the reserv	voir of		
	Timing water	400	e-PLATFOR	M FOR THE M	ANAGEMENT		400.000		
	Total		OF PUBLIC	WORKS			400.000		
				Total (Quantity in 1	Kilo litre	400.000		
6.032	OD247171/2022-2	2023			<u> </u>				
	Supplying and providing water level indicator to the tank using scale fabricated out of 2mm thick MS plate with in the frame work of suitable size MS square tube, 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure,								
	Level indicator								
		1					1.000		
	Total						1.000		
					tal Quantity	y in each	1.000		
	Construction of 0.4	4LL Sum	p cum Pump	house at Era	chilpara				
7.001	2.31								
	Clearing jungle inc saplings of girth u removal of rubbish	p to 30 cn	n measured a	t a height of	1 m above g	round leve	el and		
	Cleaning jungle					 			
	Tank & Pump house	1	10.000	8.000			80.000		
	Total						80.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				To	otal Quantit	y in sqm	80.000
7.002	2.8.1						
	Earth work in exca in foundation trend including dressing out the excavated of 50 m.All kinds	ches or dragger of sides a soil and d	ains (not exco	eeding 1.5 m of bottoms,	in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting
	Earth work						
	For levelling- Sump	1	8.000	10.000	0.400		32.000
	For compound wall	1	40.000	0.300	0.300		3.600
	For water tank	1	7.100	5.100	0.150		5.432
	Footing for pcc	1	1.300	1.300	0.350		0.592
	Total		1	le/_			41.624
			and	To	tal Quantit	y in cum	41.624
7.003	2.7.3		1940				
	including disposal earth to be levelled Levelling for levelling sump						12.000 1.606
	Total						13.606
				To	tal Quantit	y in cum	13.606
7.004	OD75656/2022-20)23					
	:DOWEL BARS_ cm long including drilling I with cement grout etc complete Dowel bar	holes of 2	0 mm dia to a	C			•
	Total	80					80.000 80.000
	I Utai			r	Fotal Quant	ity in no	80.000
7.005	113				rotai Quaiit	aty III IIU	00.000
7.003	Providing and layi of centering and sl (zone-III): 4 grade	nuttering -	- All work up	to plinth lev	el:1:2:4 (cer		
	PCC						

	Specification	No	Length	Width	Depth	Cf	Quantity			
	For water tank	1	7.100	5.100	0.150		5.432			
	Footing for pcc	1	1.300	1.300	0.100		0.169			
	Compound wall	1	40.000	0.300	0.100		1.200			
	Deduction for footing	-1	1.300	1.300	0.100		-0.169			
	Total						6.632			
				To	tal Quantity	y in cum	6.632			
7.006	7.1.1									
	up with cement co 20 mm nominal siz sand) RR masonry									
	sump basement	1	6.700	4.700	0.700		22.043			
	compound wall	1	40.000	0.300	0.400		4.800			
	deduction for column	-1	1.200	1.200	0.700		-1.008			
	Total						25.835			
		100		To	tal Quantity	y in cum	25.835			
7.007	5.33.1 SPLATFORM FOR THE MANAGEMENT									
	Providing and layi 25 grade cement consists as per approved de excluding the cost admixtures in reconscipled in the concrete, improve direction of Engine 330 kg/ cum. Excesseparately.All wor	oncrete for esign mix, of centers ommended workabilities - in-chess or less	or reinforced including puting, shuttering proportions ity without in large. Note:-cement used	cement conc imping of co g, finishing a as per IS: 91 npairing streat Cement cont	rete work, us nerete to site and reinforce 03 to accele ngth and duratent consider	sing ceme of laying ment, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @			
	M25 CC			-						
	Water tank Base slab	1	6.500	4.500	0.200		5.850			
	Water tank Footing	1	1.200	1.200	1.200		1.728			
	compound wall	1	40.000	0.200	0.200		1.600			
	Total						9.178			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and layi 25 grade cement cas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exces separately.All wor	oncrete for esign mix, of centering mmended workabilities or less k above p	or reinforced including pung, shuttering proportions ty without in arge. Note:-cement used linth level up	cement concumping of co g, finishing a as per IS: 91 npairing streat Cement contast as per desig	rete work, us ncrete to site and reinforce .03 to acceler ngth and dura tent consider n mix is paya	sing ceme of laying ment, inc rate, retar ability as ed in this	nt content g but luding d setting of per item is @
		5 Above p	olinth level				
	tank Side wall	1	21.000	0.250	2.500		13.125
	Haunch	1	20.000	0.700	0.400	0.5000 00	2.800
	Column tank	1	0.300	0.300	2.400		0.216
	Cover slab of sump	1	6.900	4.900	0.200		6.762
	long Beam tank	1	6.000	0.250	0.100		0.150
	short Beam tank	1	4.000	0.250	0.100		0.100
	Cover slab of PH	1	4.900	3.780	0.120		2.223
	Lintel	1	14.960	0.200	0.100		0.299
	Beam PH	1	2.980	0.250	0.130		0.097
	Deduction- Manhole cover	-4	0.455	0.610	0.200		-0.222
	Total						25.550
				To	tal Quantity	y in cum	25.550
7.009	5.34.1						
	Extra for providing specified cement of grade concrete instant in M-30 is @ 340 Richer mixes	content use tead of M kg/cum).	ed is payable	/ recoverable	e separately.F	Providing	M-30
	tank Side wall	1	21.000	0.250	2.500		13.125
	Haunch	1	20.000	0.700	0.400	0.5000 00	2.800
	Column tank	1	0.300	0.300	2.400		0.216
	Column tank Cover slab of sump	1	0.300 6.900	0.300 4.900	2.400 0.200		
	Cover slab of						6.762
	Cover slab of sump	1	6.900	4.900	0.200		6.762 0.150
	Cover slab of sump long Beam tank	1	6.900 6.000	4.900 0.250	0.200 0.100		6.762 0.150 0.100
	Cover slab of sump long Beam tank short Beam tank	1 1	6.900 6.000 4.000	4.900 0.250 0.250	0.200 0.100 0.100		0.216 6.762 0.150 0.100 2.223 0.299

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Deduction- Manhole cover	-4	0.455	0.610	0.200		-0.222				
	Total						25.550				
				To	tal Quantity	y in cum	25.550				
7.010	22.23.1										
	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & Discourse and 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 vertica Integral crystalline		two cours e	o. ro kg per s	, com						
	tank Side wall	1	21.000	0.250	2.500		13.125				
	Haunch	1	20.000	0.700	0.400	0.5000	2.800				
	Column tank	1	0.300	0.300	2.400		0.216				
	Total						16.141				
				To	otal Quantity	y in sqm	16.141				
7.011	22.23.2										
	Providing and apply waterproofing treat water tanks, roof stunnels / subway and bridg integral crystalline integral crystalline same from negative shall meet the requiremental permeability of condition DIN 1048 and resist slurry shall be captained our engineer incharge. The production provided the production of the p	tment to the labs, poding edeck ethe slurry: 2 slurry: 1 edinternativements increte by stant to 10 able of sett all compact performents	the RCC structums, reservi- c., prepared land parts water) apart water) all side with the as specified more than 90 bar hydrost lf-healing of polete as per specifications.	ctures like re or, sewage & by mixing in for vertical sfor horizonta he help of sy in ACI-212-30% compared tatic pressure cracks up to pecification a	taining walls camp; water to the ratio of 5 surfaces and 1 surface	s of the bareatment 5:2 (5 pa 3:1 (3 p) d applyin brush. The by reducir l concrete side. The 50mm. The	asement, plant, rts arts g the ne material ng e as per c crystalline he work				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Water tank Base slab	1	6.500	4.500	0.200		5.850
	Total						5.850
				To	tal Quantity	y in sqm	5.850
7.012	50.6.1.2						
	Solid block mason or nearest available floor two level this complete.	e size con	firming to IS	2185 part I	of 1979 for s	uper struc	cture up to
	Brick masonry	ľ		T			
	Long wall	2	4.500	0.200	3.000		5.400
	Short wall	2	3.380	0.200	3.000		4.056
	Deduction- Rolling shutter	-1	2.400		2.700		-6.480
	Deduction- Window	-3	1.500	0.200	1.500		-1.350
	Deduction of lintel	-1	14.960	0.200	0.100		-0.299
	Total			3-1 [1.327
				To	tal Quantity	y in cum	1.327
7.013	50.6.1.8	M	e-PLATFORM OF PUBLIC V	TO FOR THE M	tal Quantity	y in cum	1.327
7.013	50.6.1.8 Solid block mason or nearest available floor two level wit complete	e size con	ore cast solid t firming to IS	olocks (Fact 2185 part I	ory made) of of 1979 for s	size 40x2	20x15cm eture up to
7.013	Solid block mason or nearest available floor two level wit	e size con h thicknes	ore cast solid t firming to IS ss 15cm in: C	olocks (Fact 2185 part I	ory made) of of 1979 for s	size 40x2	20x15cm eture up to
7.013	Solid block mason or nearest available floor two level wit complete	e size con h thicknes	ore cast solid t firming to IS ss 15cm in: C	olocks (Fact 2185 part I	ory made) of of 1979 for s	size 40x2	20x15cm eture up to
7.013	Solid block mason or nearest available floor two level wit complete Compound wall a	e size con h thicknes	ore cast solid by firming to IS as 15cm in: Control	blocks (Fact 2185 part I M 1:6 (1 ce	ory made) of of 1979 for s ment : 6 coa	size 40x2	20x15cm eture up to
7.013	Solid block mason or nearest available floor two level wit complete Compound wall at Compound wall	e size con h thicknes	ore cast solid to the firming to IS as 15cm in: Continuous to the state of the stat	olocks (Fact 2185 part I M 1:6 (1 ce 0.150	ory made) of of 1979 for s ment: 6 coar	size 40x2	20x15cm eture up to tc 9.000
7.013	Solid block mason or nearest available floor two level wit complete Compound wall a Compound wall Parapet wall	e size con h thicknes	ore cast solid to the firming to IS as 15cm in: Continuous to the state of the stat	Dlocks (Fact 2185 part I M 1:6 (1 ce 0.150 0.150	ory made) of of 1979 for s ment: 6 coar	size 40x2 uper structures sand e	20x15cm eture up to tc 9.000 1.755
7.013	Solid block mason or nearest available floor two level wit complete Compound wall at Compound wall Parapet wall Total	e size con h thicknes	ore cast solid to the firming to IS as 15cm in: Continuous to the state of the stat	Dlocks (Fact 2185 part I M 1:6 (1 ce 0.150 0.150	ory made) of of 1979 for s ment : 6 coars 1.500 0.750	size 40x2 uper structures sand e	20x15cm eture up to etc 9.000 1.755 10.755
	Solid block mason or nearest available floor two level wit complete Compound wall at Compound wall Parapet wall Total	nd parape	ore cast solid to firming to IS as 15cm in: Club to wall 40.000 15.600	0.150 0.150 0.150	ory made) of of 1979 for sment: 6 coars	Size 40x2 uper structures sand e	20x15cm eture up to tc 9.000 1.755 10.755
	Solid block mason or nearest available floor two level wit complete Compound wall at Compound wall Parapet wall Total 5.9.1 Centering and shut	nd parape	ore cast solid to firming to IS as 15cm in: Club to wall 40.000 15.600	0.150 0.150 0.150	ory made) of of 1979 for sment: 6 coars	Size 40x2 uper structures sand e	20x15cm eture up to tc 9.000 1.755 10.755
	Solid block mason or nearest available floor two level wit complete Compound wall a Compound wall Parapet wall Total 5.9.1 Centering and shut footings, bases of compound was sold to the compound wall.	nd parape	ore cast solid to firming to IS as 15cm in: Club to wall 40.000 15.600	0.150 0.150 0.150	ory made) of of 1979 for sment: 6 coars	Size 40x2 uper structures sand e	20x15cm eture up to tc 9.000 1.755 10.755
	Solid block mason or nearest available floor two level wit complete Compound wall a Compound wall Parapet wall Total 5.9.1 Centering and shut footings, bases of or Form work	nd parape 1 1 1 ttering incoolumns, o	ore cast solid by firming to IS as 15cm in: Continued to IS as 15cm in: Continued to IS as 15.600 and IS as	0.150 0.150 0.150	ory made) of of 1979 for sment: 6 coarses 1.500 0.750	Size 40x2 uper structures sand e	9.000 1.755 10.755 oundations,
	Solid block mason or nearest available floor two level wit complete Compound wall at Compound wall Parapet wall Total 5.9.1 Centering and shut footings, bases of of Form work Base slab for tank column	e size con h thicknes nd parape 1 1 1 ttering incecolumns, o	t wall 40.000 15.600 luding struttinete for mass c	0.150 0.150 0.150	ory made) of of 1979 for sment: 6 coarses of 1.500 0.750 ctal Quantity removal of for 0.200	Size 40x2 uper structures sand e	20x15cm eture up to etc 9.000 1.755 10.755 10.755
	Solid block mason or nearest available floor two level wit complete Compound wall at Compound wall Parapet wall Total 5.9.1 Centering and shut footings, bases of of Form work Base slab for tank column Foundation	e size con h thicknes nd parape 1 1 1	t wall 40.000 15.600 luding struttinete for mass c 21.000 4.800	0.150 0.150 0.150	ory made) of of 1979 for sment: 6 coarses of 1.500 0.750 otal Quantity removal of for 0.200 1.200	Size 40x2 uper structures sand e	9.000 1.755 10.755 10.755 oundations, 4.200 5.760
	Solid block mason or nearest available floor two level wit complete Compound wall at Compound wall Parapet wall Total 5.9.1 Centering and shut footings, bases of or Form work Base slab for tank column Foundation Compound wall	e size con h thicknes nd parape 1 1 1	t wall 40.000 15.600 luding struttinete for mass c 21.000 4.800	Dlocks (Fact 2185 part I M 1:6 (1 ce 0.150 0.150 To ng, etc. and oncrete	ory made) of of 1979 for sment: 6 coarses of 1.500 0.750 otal Quantity removal of for 0.200 1.200	size 40x2 uper structure sand e	9.000 1.755 10.755 10.755 0undations, 4.200 5.760 16.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Centering and shut thickness) including						
	Centering and S	huttering					
	Tank- side wall outside	1	22.000		2.500		55.000
	Tank-side wall inside	1	20.000		2.500		50.000
	column	1	1.200		2.200		2.640
	Total						107.640
				To	otal Quantity	y in sqm	107.640
7.016	5.9.3						
	Centering and shut floors, roofs, landi	ngs, balco	onies and acc			orm for:S	uspended
	Centering and	Shuttering		5 100			26.210
	Tank cover slab	1	7.100	5.100			36.210
	Tank cover slab sides	1	24.400		0.200		4.880
	beams	1	10.000	- 10	0.500		5.000
	Cover slab- PH	1	4.900	3.780			18.522
	Side of cover slab -PH	1	17.360	M FOR THE M WORKS	0.120		2.083
	PH-Beam	2	2.850	0.560			3.192
	Sun shade	3	1.800	0.600			3.240
	sunshade side	3	3.000		0.075		0.675
	lintel	2	11.980		0.100		2.396
	Total						76.198
				To	otal Quantity	y in sqm	76.198
7.017	5.22.6						
	Steel reinforcement in position and bin bars of grade Fe-50	ding all c	omplete upto				
	Reinforcemen	t @120kg	g/cum				
		34.72				120.00 0000	4166.400
	Total						4166.400
				Total C	Quantity in k	ilogram	4166.400
7.018	13.7.1						
	12 mm cement pla cement : 3 fine san		ned with a flo	ating coat of	neat cement	of mix:1:	:3 (1
	Plastering in						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Side wall outer and base slab	1	22.000		2.700		59.400
	Side wall inside	1	20.000		2.500		50.000
	haunch	1	20.000		0.800		16.000
	column	1	1.200		2.400		2.880
	roof slab	2	7.100	5.100			72.420
	roof slab side	1	24.400		0.200		4.880
	PH wall outer	1	15.760		3.000		47.280
	PH wall inner	1	14.160		3.000		42.480
	PH slab	2	3.780	4.900			37.044
	PH slab side	2	17.360		0.120		4.166
	parapet	2	16.960		0.450		15.264
	parapet top	1	16.960		0.150		2.544
	manhole side	4	2.130		0.200		1.704
	Deduction windows	-3	1.500	59.77	1.500		-6.750
	Deduction RS	-1	2.400		2.700		-6.480
	Compound wall	2	40.000		3.150		252.000
	Total						594.832
	Total		OF PUBLIC V	WORKS TO	otal Quantity	y in sqm	594.832 594.832
7.019	Total 13.47.1		OF PUBLIC V	works To	otal Quantity	y in sqm	
7.019		w work (7	m Acrylic Sn	nooth exterio	or paint with	Silicone a	594.832 additives of
7.019	13.47.1 Finishing walls wi required shade:Ne	w work (7	m Acrylic Sn	nooth exterio	or paint with	Silicone a	594.832 additives of
7.019	13.47.1 Finishing walls wi required shade:Ne- including priming	w work (7	m Acrylic Sn	nooth exterio	or paint with	Silicone a	594.832 additives of
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer	w work (T	m Acrylic Sn Two or more of terior primer	nooth exterio	or paint with 1 @ 1.43 ltr/ 2.20 kg/ 10 so	Silicone a	594.832 additives of ver and
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab	w work (Toat of ex	m Acrylic Sn Two or more of terior primer	nooth exterio coats applied applied @ 2	or paint with 1 @ 1.43 ltr/ 2.20 kg/ 10 so	Silicone a	594.832 additives of ver and 59.400
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab	w work (Tocoat of ex	m Acrylic Sn Two or more of terior primer 22.000 7.100	nooth exterio coats applied applied @ 2	or paint with 1 @ 1.43 ltr/2.20 kg/ 10 sc	Silicone a	594.832 additives of ver and 59.400 72.420
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab roof slab side	w work (Tocoat of ex	m Acrylic Sn Two or more of terior primer 22.000 7.100 24.400	nooth exterio coats applied applied @ 2	or paint with 1 @ 1.43 ltr/ 2.20 kg/ 10 so 2.700	Silicone a	594.832 additives of ver and 59.400 72.420 4.880
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab roof slab side PH wall outer	w work (Tocoat of ex	m Acrylic Sn Two or more of terior primer 22.000 7.100 24.400 15.760	nooth exterio coats applied applied @ 2	2.700 0.200 3.000	Silicone a	594.832 additives of ver and 59.400 72.420 4.880 47.280
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab roof slab side PH wall outer PH wall inner	w work (Tocoat of expense)	m Acrylic Sn Two or more of terior primer 22.000 7.100 24.400 15.760 14.160	nooth exterior coats applied applied @ 2	2.700 0.200 3.000	Silicone a	594.832 additives of ver and 59.400 72.420 4.880 47.280 42.480
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab roof slab side PH wall outer PH wall inner PH slab	w work (Tocoat of except o	m Acrylic Sn wo or more of terior primer 22.000 7.100 24.400 15.760 14.160 3.780	nooth exterior coats applied applied @ 2	2.700 0.200 3.000	Silicone a	594.832 additives of ver and 59.400 72.420 4.880 47.280 42.480 37.044
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab roof slab side PH wall outer PH wall inner PH slab PH slab side	1 2 1 1 2 2 2 2	m Acrylic Sn Two or more of terior primer 22.000 7.100 24.400 15.760 14.160 3.780 17.360	nooth exterior coats applied applied @ 2	2.700 0.200 3.000 0.120	Silicone a	594.832 additives of ver and 59.400 72.420 4.880 47.280 42.480 37.044 4.166
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab roof slab side PH wall outer PH wall inner PH slab PH slab side parapet	1 2 1 1 2 2 2 2 2 2	m Acrylic Sn Two or more of terior primer 22.000 7.100 24.400 15.760 14.160 3.780 17.360 16.960	nooth exterior coats applied applied @ 2	2.700 0.200 3.000 0.120 0.450	Silicone a	594.832 additives of ver and 59.400 72.420 4.880 47.280 42.480 37.044 4.166 15.264
7.019	13.47.1 Finishing walls wi required shade:Ne including priming Painting Side wall outer and base slab roof slab roof slab side PH wall outer PH wall inner PH slab PH slab side parapet manhole side Deduction for	w work (Tocoat of except to a second of exce	m Acrylic Sn Two or more of terior primer 22.000 7.100 24.400 15.760 14.160 3.780 17.360 16.960 2.130	nooth exterior coats applied applied @ 2	2.700 0.200 3.000 3.000 0.120 0.450 0.200	Silicone a	594.832 additives of ver and 59.400 72.420 4.880 47.280 42.480 37.044 4.166 15.264 1.704

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						397.408
				T	otal Quantit	y in sqm	397.408
7.020	13.71						
	Lettering with blace	ck Japan p	oint of appro	ved brand an	d manufactu	re	
	Lettering				Г		
		80					80.000
	Total						80.000
			Total Qua	ntity in per	Letter per c	m height	80.000
7.021	10.25.2						
	Item Shifted to hea Steel work welded in position and app etc. as required.In similar works Steel for ladder	in built u	p sections/fr riming coat o	of approved s	steel primer u	ising struc	ctural steel
	Steer for ladder		(1)			600.00	
		1				0000	600.000
	m . 1						600 000
	Total	100					600.000
	Total		e-PLATEOS		Total Quant	ity in kg	600.000
7.022	100.41.34		OF PUBLIC		Total Quant	ity in kg	
7.022			ngular C.I. m	anhole cover	r 455mm x 6	10mm wi	600.000
7.022	100.41.34 Supplying and fixi		ngular C.I. m	anhole cover	r 455mm x 6	10mm wi	600.000
7.022	100.41.34 Supplying and fixi (low duty) charges		ngular C.I. m	anhole cover	r 455mm x 6	10mm wi	600.000 th frame
7.022	100.41.34 Supplying and fixi (low duty) charges	including	ngular C.I. m	anhole cover	r 455mm x 6	10mm wi	600.000 th frame
7.022	100.41.34 Supplying and fixi (low duty) charges Man hole cover	including	ngular C.I. m	nanhole cover cour charges	r 455mm x 6	10mm wite.	600.000 th frame 4.000
	100.41.34 Supplying and fixi (low duty) charges Man hole cover	including	ngular C.I. m	nanhole cover cour charges	r 455mm x 6 etc., complet	10mm wite.	4.000 4.000
	100.41.34 Supplying and fixi (low duty) charges Man hole cover Total	s including 4 ng M.S. Cor round by	ngular C.I. mg all cost, lab	ired pattern i	r 455mm x 6 etc., complet Total Quant n frames of vg coat with a	10mm windows exproved s	4.000 4.000 4.000 etc. with
	100.41.34 Supplying and fixi (low duty) charges Man hole cover Total 9.48.2 Providing and fixing M.S. flats, square	s including 4 ng M.S. Cor round by	ngular C.I. mg all cost, lab	ired pattern i	r 455mm x 6 etc., complet Total Quant n frames of vg coat with a	10mm windows exproved s	4.000 4.000 4.000 etc. with
	100.41.34 Supplying and fixi (low duty) charges Man hole cover Total 9.48.2 Providing and fixi M.S. flats, square all complete.Fixed	s including 4 ng M.S. Cor round by	ngular C.I. mg all cost, lab	ired pattern i	r 455mm x 6 etc., complet Total Quant n frames of vg coat with a	10mm windows exproved s	4.000 4.000 4.000 etc. with
	100.41.34 Supplying and fixi (low duty) charges Man hole cover Total 9.48.2 Providing and fixi M.S. flats, square all complete.Fixed	ng M.S. Cor round to opening	ngular C.I. mg all cost, lab	ired pattern i	r 455mm x 6 etc., complet Total Quant n frames of vg coat with a	ity in no windows epproved screws etc	4.000 4.000 4.000 etc. with steel primer
	100.41.34 Supplying and fixi (low duty) charges Man hole cover Total 9.48.2 Providing and fixi M.S. flats, square all complete.Fixed MS Grill	ng M.S. Cor round to opening	ngular C.I. mg all cost, lab	ired pattern i	r 455mm x 6 etc., complet Total Quant n frames of vg coat with a	ity in no windows epproved screws etc 70.000 000	4.000 4.000 4.000 4.000 4.000 70.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end be 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: 445 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 mm M.S laths with 1.25 mm thick top cover									
	Rolling shutter				· · · · · · · · · · · · · · · · · · ·					
		1	2.400		3.000		7.200			
	Total						7.200			
				To	otal Quantit	y in sqm	7.200			
7.025	21.1.1.2									
	Providing and fixi with extruded buil sections of approv fasteners of requirite. at top, bottom Aluminium section mechanically when glazing /paneling, drawings and the of fasteners to be paid For fixed portion micron)	t up stand ed make of ed dia and and sides and sides rever requested C.P. brass directions	ard tubular s conforming t d size, includ with require e smooth, rus irred includir s/ stainless st of Engineer- rately):	ections/ appropriate of IS: 733 and ing necessary dependent rub at free, straight electronic clear angle electronic control of the control of	ropriate Z sec d IS: 1285, fi y filling up the ber/ neoprene ht, mitred and e, Aluminnium all complete a blazing, panel	ctions and ixing with the gaps at the gasket ed jointed m snap be as per arching and d	other dash junctions, tc. eading for nitectural ash			
	Aluminium works	8								
		1	12.000				12.000			
	Total						12.000			
				ı	Total Quant	ity in kg	12.000			
7.026	21.1.2.2									
	For shutters of doo pivots and making of EPDM rubber/ separately)Powder micron)	provision neoprene coated al	n for fixing o gasket requi	f fittings who ed (Fittings	erever require shall be paid	ed includi for	ng the cost			
	Aluminium for sl	nutters			Ι	Ī				
		1	10.000				10.000			
	Total						10.000			
				-	Total Quant	ity in kg	10.000			
7.027	21.3.1									
	Providing and fixing partitions etc. with architectural draw aluminium snap be thickness	EPDM r ings and t	ubber / neop he directions	rene gasket e of Engineer	tc. complete - in -Charge	as per the . (Cost of	2			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Glass for shutter					-		
		3	1.500	1.500		1.2500 00	8.438	
	Total						8.438	
				To	otal Quantit	y in sqm	8.438	
7.028	OD149113/2022-2	2023						
	Supply conveyance, installation testing and commissioning of 36/40 W LED street/Yard light out put greater than 105 lumen/watts 4000-6000K with IP66 protection with LED chip make cree/Lumilled/Nichea with powerfactor grea 0.95 at full load, internal surge protection up to 8 kv and alluminium preasur powder coated housing acryliccover complete with THD less than 10% power greater than 0.98 R0HS compliant duly wired up for use on 230v AC supply compartment should be separately accessible for maintanance(LM 79& mp; Certificate from NABL acredited third party lab produced mentioning chip manufacturer)							
	LED	4	- C.S.	# C C C C C C			4.000	
	Total	4					4.000	
	Total			1000	Total Owans	ity in no	4.000	
7.029	OD149115/2022-2	0022		- 11	Total Quant	nty m no	4.000	
7.029	Taking new electric		ection from K	CERI	_			
	Taking new electric	icai comic	ction from N	WORKS	ANASEMENT			
		1					1.000	
	Total	1					1.000	
	1 0 0 0 1			Tot	tal Quantity	in 1 nos	1.000	
7.030	OD149117/2022-2	2023		100	ear Quariere	111 1 1105	1,000	
	Charges for Supple Raw water pump be sensor and 30m vi 10m,Rack, 500VA	nouses wh sion, 5 M	iich includes P or Higher l	providing 2N	Nos 5 MP car	mera with	motion	
	Total	1			<u> </u>	l	1.000	
	10441			Tot	tal Quantity	in 1 nos	1.000	
7.031	18.26.1			100	ui Quantity	111105	1.000	
7.031	Providing and layi caps etc., suitable	for flange	d jointing as	per IS : 1538			lars, tapers,	
	Providing and layi	ng C.I sta	ndard specia	ls				
	150mm wall casting pipes for inlet, overflow etc	2				0.4700 00	0.940	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	100mm wall casting pipes for outlet,scour etc	2				0.2000	0.400
	Total						1.340
				Tota	l Quantity ii	n quintal	1.340
7.032	100.36.1						
	Filling water with of 5 km (average) height not less tha and other applience	to the 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	40					40.000
		40					40.000
	Total						40.000
7.022	OD 2 45 4 5 2 4 2 0 2 2 2			Total (Quantity in 1	Kilo litre	40.000
7.033	OD247172/2022-2		- 63				
	Supplying and pro 2mm thi 160mm PVC pipe thread for connect Level indicator	ck MS pla for guidir	ate with in thing the float, &	e frame work alt;br>ned	k of suitable cessary pullic	size MS s es, suitable	quare tube,
	De ver mareurer	1	e-PLATFOR	M FOR THE M	ANAGEMENT		1.000
	Total		OF PUBLIC	WORKS			1.000
				To	tal Quantity	v in each	1.000
8	Construction of 3	LL Sump	cum Pump h			<i>y</i> === 0000==	
	2.31	<u> </u>	Culli I ullip I	iouse at turn	os paar		
0.001	Clearing jungle inc saplings of girth u removal of rubbisl	p to 30 cm	n measured a	t a height of	1 m above g	round leve	el and
	clearing jungle						
	clearing jungle	1	12.000	10.000			120.000
	Total						120.000
				T	otal Quantit	y in sqm	120.000
8.002	2.8.1						
	Earth work in exca in foundation trend including dressing out the excavated of 50 m.All kinds	ches or dra of sides a soil and d	ains (not exc and ramming	eeding 1.5 m of bottoms,	n in width or lift up to 1.5	10 sqm or m, includ	n plan), ling getting
	Earth work by	mechanic	al				
	Earth work by mechanical	1	11.000	10.000	0.300		33.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Total						33.000		
				To	tal Quantity	y in cum	33.000		
8.003	2.7.2								
	Earth work in excavation by mechanical means (Hydraulic excavator)/ man over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on p including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, d earth to be levelled and neatly dressed. Hard rock (requiring blasting)								
	excavation abov	e 30 cm							
	excavation above 30 cm	1	11.000	10.000	0.300		33.000		
	Earth work for footing	3	1.400	1.400	0.600		3.528		
	Total						36.528		
				To	tal Quantity	y in cum	36.528		
8.004	OD106803/2022-2	2023	-6						
	Dowel bars - Supp (1m in rock and 1r gap with cement g	n in conci	rete) includin	IS dowel bar g drilling ho	s of size 16m les of 20mm	nm dia of dia and f	2m long illing the		
	Dowel bars			_					
	Dowel bars	150					150.000		
	Total		e-PLATFOR OF PUBLIC	M FOR THE M WORKS	ANAGEMENT		150.000		
				,	Fotal Quant	ity in no	150.000		
8.005	4.1.3								
	Providing and layi of centering and sh (zone-III): 4 grade	nuttering -	All work up	to plinth lev	el:1:2:4 (cen				
	PCC								
	PCC	1	10.600	8.600	0.150		13.674		
	compound wall	1	44.000	0.200	0.100		0.880		
	Total						14.554		
				To	tal Quantity	y in cum	14.554		
8.006	5.33.1								
	Providing and layi 25 grade cement coas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor M25 MIx	oncrete for esign mix, of centeri mmended workabili eer - in-ch ess or less	or reinforced including puting, shuttering I proportions ty without in large. Note:- cement used	cement conc imping 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	of laying ment, inc rate, retar- ability as ed in this	nt content g but luding d setting of per item is @		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	for footing	3	1.200	1.200	0.500		2.160
	Base slab	1	10.600	8.600	0.200		18.232
	Total						20.392
				To	tal Quantit	y in cum	20.392
8.007	5.33.2						
	Providing and layi 25 grade cement cas per approved de excluding the cost admixtures in reco concrete, improve direction of Engine 330 kg/ cum. Exce separately.All wor	oncrete for esign mix, of centerion mended workabilities or less k above p	or reinforced including puting, shuttering I proportions ty without in large. Note:- cement used	cement conciumping of cong, finishing a as per IS: 91 apairing streament contast per design	rete work, us ncrete to site and reinforce 03 to accele ngth and dur ent consider n mix is pays	sing ceme e of laying ement, inc rate, retar ability as red in this	nt content g but luding d setting of per item is @
	RCC above	e Plinth					
	side wall 1	2	10.500	0.250	4.000		21.000
	side wall 2	2	8.000	0.250	4.000		16.000
	Haunch	1	36.000	0.400	0.700	0.5000 00	5.040
	tank cover slab	1	11.100	9.100	0.200		20.202
	tank beam short	1	8.250	0.250	0.100		0.206
	tank beam long	1	10.500	0.250	0.100		0.263
	column inside tank	3	0.300	0.250	3.900		0.878
	PH Column	1	0.300	0.250	3.000		0.225
	PH lintel	1	18.620	0.200	0.100		0.372
	PH shade	2	1.800	0.600	0.075		0.162
	PH cover slab	1	5.780	4.730	0.120		3.281
	PH beam	2	4.400	0.250	0.130		0.286
	deduction for manhole	-6	0.455	0.610	0.150		-0.250
	Total						67.665
				To	tal Quantit	y in cum	67.665
8.008	5.34.1						
	Extra for providing specified cement c grade concrete insi in M-30 is @ 340	content use tead of M	ed is payable	/ recoverable	separately.I	Providing	M-30
	M30 enrich					,	
	side wall 1	2	10.500	0.250	4.000		21.000
	side wall 2	2	8.000	0.250	4.000		16.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Haunch	1	36.000	0.400	0.700	0.5000 00	5.040
	tank cover slab	1	11.100	9.100	0.200		20.202
	tank beam short	1	8.250	0.250	0.100		0.206
	tank beam long	1	10.500	0.250	0.100		0.263
	column inside tank	3	0.300	0.250	3.900		0.878
	PH Column	1	0.300	0.250	3.000		0.225
	PH lintel	1	18.620	0.200	0.100		0.372
	PH shade	2	1.800	0.600	0.075		0.162
	PH cover slab	1	5.780	4.730	0.120		3.281
	PH beam	2	4.400	0.250	0.130		0.286
	deduction for manhole	-6	0.455	0.610	0.150		-0.250
	Total		- C - S - 2				67.665
			LASTON	3/2/15. X.1	1.0	y in cum	67.665
			1117.65	Tot	al Quantity	, iii cuiii į	
8.009	50.6.1.3 Solid block mason or nearest available floor two level up	e size conf	irming to IS 2	locks (Facto 2185 Part I o	ry made) of f 1979 for s	size 40x2	20x20cm
8.009	Solid block mason or nearest available floor two level up coarse sand) etc co	e size conf to floor V omplete	irming to IS 2	locks (Facto 2185 Part I o	ry made) of f 1979 for s	size 40x2	20x20cm
8.009	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block mason	e size conf to floor V omplete	irming to IS 2 level thicknes	locks (Facto 2185 Part I o ss 20cm and	ry made) of f 1979 for s above in: C	size 40x2	20x20cm eture above cement :6
8.009	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block mason long wall	e size conf to floor V omplete nry	irming to IS 2 level thickness	locks (Facto 2185 Part I o ss 20cm and	ry made) of f 1979 for s above in: C	size 40x2	20x20cm cture above cement :6
8.009	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block mason long wall short wall	e size conf to floor V omplete hry 2	5.400	locks (Facto 2185 Part I o ss 20cm and 0.200 0.200	ry made) of f 1979 for s above in: C 3.000 3.000	size 40x2	20x20cm cture above cement :6 6.480 4.800
8.009	Solid block mason or nearest available floor two level up coarse sand) etc coarse sand block masor long wall short wall	e size conf to floor V emplete nry 2 2 -1	5.400 4.000 3.000	0.200 0.200 0.200	3.000 3.000 2.700	size 40x2	20x20cm cture above cement :6 6.480 4.800 -1.620
8.009	Solid block mason or nearest available floor two level up coarse sand) etc co. Solid block mason long wall short wall shutter Windows	e size conf to floor V omplete hry 2	5.400	locks (Facto 2185 Part I o ss 20cm and 0.200 0.200	ry made) of f 1979 for s above in: C 3.000 3.000	size 40x2	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350
8.009	Solid block mason or nearest available floor two level up coarse sand) etc coarse sand block masor long wall short wall	e size conf to floor V emplete nry 2 2 -1	5.400 4.000 3.000	0.200 0.200 0.200	3.000 3.000 2.700 1.500	Size 40x2 super struct M 1:6 (1	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350 8.310
	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block masor long wall short wall shutter Windows Total	e size conf to floor V emplete nry 2 2 -1	5.400 4.000 3.000	0.200 0.200 0.200	3.000 3.000 2.700	Size 40x2 super struct M 1:6 (1	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350
	Solid block mason or nearest available floor two level up coarse sand) etc co. Solid block mason long wall short wall shutter Windows	e size confito floor V complete conry 2 -1 -3 ry using presented confice floor five	5.400 4.000 3.000 1.500 re cast solid book irming to IS 2	0.200 0.200 0.200 0.200 0.200 0.200	3.000 3.000 2.700 1.500 al Quantity	size 40x2 uper struc M 1:6 (1	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350 8.310 20x15 cm cture above
	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block mason long wall short wall shutter Windows Total 50.6.1.9 Solid block mason or nearest available floor two level upt	ry using pre size confoor floor five omplete	5.400 4.000 3.000 1.500 re cast solid beirming to IS 2 re level with the	0.200 0.200 0.200 0.200 0.200 0.200	3.000 3.000 2.700 1.500 al Quantity	size 40x2 uper struc M 1:6 (1	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350 8.310 20x15 cm cture above
	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block mason long wall short wall shutter Windows Total 50.6.1.9 Solid block mason or nearest available floor two level upt coarse sand) etc co	ry using pre size confoor floor five omplete	5.400 4.000 3.000 1.500 re cast solid beirming to IS 2 re level with the	0.200 0.200 0.200 0.200 0.200 0.200	3.000 3.000 2.700 1.500 al Quantity	size 40x2 uper struc M 1:6 (1	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350 8.310 8.310
	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block mason long wall short wall shutter Windows Total 50.6.1.9 Solid block mason or nearest available floor two level upt coarse sand) etc co Compound wall a	ry using pre size confoor floor floo	5.400 4.000 3.000 1.500 re cast solid being to IS 2 to level with the twall	0.200 0.200 0.200 0.200 0.200 0.200 0.200 0.200 0.200	3.000 3.000 3.000 2.700 1.500 al Quantity ary made) off 1979 for s m in: CM 1	size 40x2 uper struc M 1:6 (1	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350 8.310 20x15 cm cture above nent : 6
	Solid block mason or nearest available floor two level up coarse sand) etc co Solid block mason long wall short wall shutter Windows Total 50.6.1.9 Solid block mason or nearest available floor two level upt coarse sand) etc co Compound wall a parapet	ry using pre e size confo floor five omplete ry using pre e size confo floor five omplete and parapet	5.400 4.000 3.000 1.500 re cast solid beirming to IS 2 re level with the twall 20.900	0.200 0.200 0.200 0.200 0.200 0.200 0.200 0.150	3.000 3.000 3.000 2.700 1.500 al Quantity ory made) off 1979 for sm in: CM 1	size 40x2 uper struc M 1:6 (1	20x20cm cture above cement :6 6.480 4.800 -1.620 -1.350 8.310 20x15 cm cture above nent : 6

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Providing and fixing with extruded buil sections of approved fasteners of required i.e. at top, bottom. Aluminium section mechanically when glazing /paneling, drawings and the offasteners to be paid For fixed portion pricon.	t up stand ed make c ed dia and and sides as shall be rever requ C.P. brass lirections d for sepa	ard tubular s conforming to l size, includ- with required s smooth, rus ired including s stainless st of Engineer- rately):	ections/ appropriate in the section of the section	opriate Z sec d IS: 1285, f y filling up the ber/ neoprenat, mitred and e, Aluminniu ll complete a dazing, pane	ctions and ixing with the gaps at e gasket ed jointed m snap be as per archling and d	other dash junctions, tc. eading for nitectural ash		
	Aluminium worl	ΚS				· · · · · · · · · · · · · · · · · · ·			
	Aluminium works	3				4.0000 00	12.000		
	Total						12.000		
			S	W	Fotal Quant	ity in kg	12.000		
8.012	21.1.2.2		AJX	۵ZFA					
	of EPDM rubber/separately)Powder micron) Aluminium for Shaluminium for Shutters	coated al	uminium (m	inimum thick	kness of pow	3.0000 00	9.000		
	Total						9.000		
				,	Total Quant	ity in kg	9.000		
8.013	21.3.1								
	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in -Charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness Glass for shutter								
	Glass for shutter	3	1.500	1.500		1.2500	8.438		
	Total						8.438		
				To	otal Quantit	y in sqm	8.438		
8.014	5.9.1								
	Centering and shur footings, bases of				removal of f	orm for:F	oundations,		
	Shuttering for b	ase and fo	ooting						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	shuttering for footing	3	4.800	0.500			7.200
	shuttering for base slab	1	36.000	0.200			7.200
	Total						14.400
				To	tal Quantit	y in sqm	14.400
8.015	5.9.3						
	Centering and shut floors, roofs, landi				removal of f	orm for:S	uspended
	shuttering	and form	works				
	sidewall outside	2	11.100	4.000			88.800
	sidewall outside	2	9.100	4.000			72.800
	sidewall inside	2	10.000	3.600			72.000
	sidewall inside	2	8.000	3.600			57.600
	cover slab	1	10.600	8.600			91.160
	cover slab side	1	38.400	0.200			7.680
	long beam	1	10.000	0.500			5.000
	cross beam	1	8.000	0.500			4.000
	column side 1	3	1.100		3.900		12.870
	column PH	1	1.100	M FOR THE M WORKS	2.850		3.135
	pump house lintel	2	18.680	0.100			3.736
	pump house cover slab	1	5.780	4.730			27.339
	pump house slab side	1	21.020	0.120			2.522
	pump house beam	2	4.330	0.750			6.495
	pump house shade	2	1.800	0.600			2.160
	pump house shade side	2	3.000	0.075			0.450
	Haunch	1	36.000	0.800			28.800
	side for Man hole	6	2.130	0.150			1.917
	deduction for manhole	-6	0.610	0.455			-1.665
	deduction for beams	-1	17.500	0.250			-4.375
	Total						482.424
				To	tal Quantit	y in sqm	482.424
8.016	5.22.6						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Steel reinforcement in position and bin bars of grade Fe-50	ding all c	omplete upto	ading straigh plinth level	tening, cuttir Thermo - Me	ng, bendir echanicall	g, placing y Treated
	Reinforcement						
	Steel	88.057				120.00 0000	10566.84 0
	Total						10566.84 0
				Total (Quantity in k	xilogram	10566.84 0
8.017	13.7.1						
	12 mm cement pla cement : 3 fine san	ster finish id)	ed with a flo	oating coat of	neat cement	of mix:1	:3 (1
	Plastering	12MM thi	ck				
	Outside wall and basement	1	38.000	4.200			159.600
	inside wall of tank	1	36.000	3.600			129.600
	Haunch	1	36.000	0.800			28.800
	column inside tank	3	1.100	< 1 L	3.700		12.210
	cover slab bottom and top	2	10.500	8.500			178.500
	cover slab side	1	38.000	0.150			5.700
	side of manhole	6	2.130	0.150			1.917
	PH wall outside	1	19.420	3.000			58.260
	PH wall inside	1	17.820	3.000			53.460
	parapet	2	20.720		0.450		18.648
	PH slab Top and Bottom	2	5.780	4.730			54.679
	PH side of slab	1	21.020	0.120			2.522
	Beam	2	4.400	0.750			6.600
	column	1	1.100	2.750			3.025
	sunshade top and bottom	4	1.800	0.600			4.320
	sunshade side	2	3.000	0.075			0.450
	deduction for rolling shutter	-1	3.000		2.700		-8.100
	deduction for window	-3	1.500		1.500		-6.750
	Compound wall	1	44.000		3.150		138.600
	Total						842.041

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Total Quantity in sqm 842.041									
8.018	22.23.1									
	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & DIN 1048 and resistant to 16 bar hydrostatic pressure on negative sine grant crystalline.									
	DIN 1048 and resistance shall be carried ou engineerincharge. The producteakage.For vertical	able of set all comp ct perforn	lf-healing of plete as per spenance shall co	cracks up to pecification a arry guarante	a width of 0. and the direct the for 10 years	50mm. T ion of the	he work			
	Integral crystalline	slurry	14-13	2611						
	side wall 1	2	10.500	0.250	4.000		21.000			
	side wall 2	2	8.000	0.250	4.000		16.000			
	Haunch	1	36.000	0.400	0.700	0.5000 00	5.040			
	column inside tank	3	0.300	0.250	3.900		0.878			
	Total						42.918			
				To	otal Quantity	y in sqm	42.918			
8.019	22.23.2									
	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 & Discourse and several 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.									
	Integral crystalline Base slab	1	10.600	8.600	0.200		18.232			
	Total				0		18.232			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				To	otal Quantit	y in sqm	18.232			
8.020	13.47.1									
	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)									
	Premium Acryli	c Exterio	r Paint	T						
	Outside wall and basement	1	38.000	4.200			159.600			
	cover slab side	1	38.000	0.150			5.700			
	side of manhole	6	2.130	0.150			1.917			
	PH wall outside	1	19.420	3.000			58.260			
	PH wall inside	1	17.820	3.000			53.460			
	parapet	2	20.720		0.450		18.648			
	PH slab Top and Bottom	2	5.780	4.730			54.679			
	PH side of slab	1	21.020	0.120			2.522			
	Beam	2	4.400	0.750			6.600			
	column	1	1.100	2.750			3.025			
	sunshade top and bottom	4	1.800	0.600	ANAGEMENT		4.320			
	sunshade side	2	3.000	0.075			0.450			
	deduction for rolling shutter	-1	3.000		2.700		-8.100			
	deduction for window	-3	1.500		1.500		-6.750			
	Compound wall	1	44.000		3.150		138.600			
	Total						492.931			
				To	otal Quantit	y in sqm	492.931			
8.021	13.71									
	Lettering with blac	ck Japan p	oint of approv	ed brand and	d manufactui	re				
	Lettering									
	Lettering	80					80.000			
	Total						80.000			
			Total Quar	ntity in per l	Letter per ci	m height	80.000			
8.022	10.25.2									
	Item Shifted to hea Steel work welded in position and app	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								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Ladder etc						
	Ladder etc	850					850.000
	Total						850.000
				ı	Total Quant	tity in kg	850.000
8.023	100.41.34						
	Supplying and fixing Rectangular C.I. manhole cover 455mm x 610mm with (low duty) charges including all cost, labour charges etc., complete.						
	Man hole cover	· · · · · · · · · · · · · · · · · · ·		T	T		
	Man hole cover	6					6.000
	Total						6.000
				ı	Total Quant	tity in no	6.000
8.024	10.6.1						
	laths, interlocked together through their entire length and jointed together at the end locks, mounted on specially designed pipe shaft with brackets, side guides a arrangements for inside and outside locking with push and pull operation complinctuding 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 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 mm laths with 1.25 mm thick top cover						
	Rolling shutter			M FOR THE M	IANAGEMENT		
	Rolling shutter	1	3.000	WUNCKS	2.700		8.100
	Total						8.100
				T	otal Quantit	y in sqm	8.100
8.025	9.48.2						
	Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/wooden frames with rawl plugs screws etc						
	MS Grill						
	MS Grill	80					80.000
	Total						80.000
				I	Total Quant	tity in kg	80.000
8.026	18.26.1						
	Providing and layi caps etc., suitable						lars, tapers,
	Providing and layi	ng C.I sta	ndard specia	ls		,	
	200mm wall casting pipes for inlet,overflow etc	2				0.4700 00	0.940

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	100mm wall casting pipes for outlet,scour etc	2				0.2000	0.400		
	Total						1.340		
	Total Quantity in quintal								
8.027	OD247174/2022-2023 Supplying and providing water level indicator to the tank using scale fabricate 2mm thick MS plate with in the frame work of suitable size MS sq 160mm PVC pipe for guiding the float, necessary pullies, suitable thread for connecting float and level indicator, painting the entire structure,								
	Level indicator		Ī						
		1					1.000		
	Total						1.000		
				To	tal Quantity	y in each	1.000		
8.028	100.36.1		- 18						
	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.								
		es and cos	st of water et	c. complete.					
	and other applienc Filling water	M			ᆫ		200,000		
	Filling water	es and cos		c. complete.	ANAGEMENT		300.000		
		M		M FOR THE M		(Z2) - 124	300.000		
	Filling water Total	300	e-PLATFOR	M FOR THE M	ANAGEMENT	Kilo litre			
	Filling water Total Road restoration c	300	e-PLATFOR	M FOR THE M		Kilo litre	300.000		
	Total Road restoration columns 3.6	300 harges PW	VD/SH/NH	Total (Quantity in 1		300.000		
	Filling water Total Road restoration c	300 harges PV dwork in and loading equiremen	VD/SH/NH soil with hyc g in tippers, ts of lines, g	Total (Quantity in I	um bucke e slopes, i	300.000 300.000 t capacity		
	Filling water Total Road restoration control of the second seco	300 harges PV dwork in and loading equiremen	VD/SH/NH soil with hyc g in tippers, ts of lines, g	Total (Quantity in I	um bucke e slopes, i	300.000 300.000 t capacity		
	Total Road restoration control and accordance with retailed the embankment load.	300 harges PV dwork in and loading equiremen	VD/SH/NH soil with hyc g in tippers, ts of lines, g	Total (Quantity in I	um bucke e slopes, i	300.000 300.000 t capacity		
	Filling water Total Road restoration control of the embankment long terms are the embankment l	dwork in and loading equirement ocation wi	vD/SH/NH soil with hyd g in tippers, ts of lines, g thin all lifts	Total (draulic excave trimming borades and created upto and lead upto a	Quantity in I	um bucke e slopes, i	300.000 300.000 t capacity noorting to		
	Filling water Total Road restoration of 3.6 Excavation for roal including cutting a accordance with rethe embankment lot Excavation Berm PWD	dwork in and loading equirement ocation wi	vD/SH/NH soil with hyd g in tippers, ts of lines, g thin all lifts	Total (draulic excave trimming bounder and lead upto 0.900	Quantity in I	um bucke e slopes, i and transp	300.000 300.000 t capacity n porting to		
	Filling water Total Road restoration control of the embankment long and the embankment long the embankme	dwork in and loadin equirement ocation with the second sec	vD/SH/NH soil with hyc g in tippers, ts of lines, g thin all lifts 100.000 200.000	Total (draulic excave trimming borades and created and lead upto 0.900 0.600	rator of 0.9 creation and side oss sections, o 1000m	um bucke e slopes, i and transp	300.000 300.000 t capacity n porting to 18.000 24.000		
	Filling water Total Road restoration control and accordance with restoration because the embankment long and accordance with restoration because a secondary with a secondary with a secondary with a secondary with restoration because a secondary with a seconda	dwork in and loadin equirement ocation with the second sec	vD/SH/NH soil with hyog in tippers, ts of lines, grathin all lifts 100.000 200.000 1485.000	Total (draulic excave trimming bound lead upto 10.900 0.600 0.900	rator of 0.9 cuttom and side oss sections, o 1000m 0.200 0.200 0.350	um bucke e slopes, i and transp	300.000 300.000 t capacity noorting to 18.000 24.000 467.775		
	Filling water Total Road restoration of 3.6 Excavation for roal including cutting a accordance with rethe embankment lot Excavation Berm PWD Berm SH/NH CC Pavement PWD/SH CC Pavement NH	dwork in and loadin equirement ocation with the second sec	vD/SH/NH soil with hyd in tippers, ts of lines, grain all lifts 100.000 200.000 1485.000 4800.000	Total (draulic excave trimming bounder and lead upto 0.900 0.600 0.900 0.600	Quantity in I Pater of 0.9 countries and side one of 1000m 0.200 0.200 0.350	um bucke e slopes, i and transp	300.000 300.000 t capacity n porting to 18.000 24.000 467.775 1008.000		
	Total Road restoration control and accordance with restoration Berm PWD Berm SH/NH CC Pavement PWD/SH CC Pavement NH Tar cut NH/SH	dwork in and loadin equirement ocation with the second sec	vD/SH/NH soil with hycg in tippers, ts of lines, gthin all lifts 100.000 200.000 1485.000 4800.000 250.000	Total (draulic excave trimming bounder and lead upto 0.900 0.600 0.600 0.600 0.600	Quantity in I rator of 0.9 cu ttom and side oss sections, o 1000m 0.200 0.200 0.350 0.400	um bucke e slopes, i and transp	300.000 300.000 t capacity n porting to 18.000 24.000 467.775 1008.000 60.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Construction of gralayers with a moto rotavator at OMC, density, complete a Method	r grader of and comp	on a prepared pacting with	surface, mix a vibratory re	ing by mix i oller to achie	n-place meve the de	ethod with sired	
	GSB							
	Berm PWD	1	100.000	0.900	0.250		22.500	
	Berm SH/NH	1	200.000	0.600	0.250		30.000	
	CC Pavement PWD/SH	1	1485.000	0.900	0.250		334.125	
	CC Pavement NH	1	4800.000	0.600	0.250		720.000	
	Tar cut NH/SH	1	250.000	0.600	0.200		30.000	
	Tar cut PWD	1	100.000	0.900	0.200		18.000	
	Total						1154.625	
				To	tal Quantit	y in cum	1154.625	
9.003	4.12		A. S.	9 /11/1				
	mechanical mix pl layers with paver i with vibratory rolls WMM	n sub- ba er to achi	se / base cour eve the desire	rse on well p ed density.	repared surfa	ace and co	ompacting	
	Tar cut NH/SH	1	250.000	0.600	0.200		30.000	
	Tar cut PWD	1	100.000	0.900	0.200		18.000	
	Total				4.10 44	•	48.000	
0.004				To	tal Quantit	y in cum	48.000	
7.UU4 	Providing and applying primer coat with bitumen emulsion (SS) on prepare of granular Base including clearing of road surface and spraying primer at t 0.70 - 1.0 kg/sqm using mechanical means. Primer coat						he rate of	
	Tar cut NH/SH	1	250.000	1.500			375.000	
	Tar cut PWD	1	100.000	1.350			135.000	
	Total						510.000	
				To	otal Quantit	y in sqm	510.000	
9.005	5.2.b Providing and applicate distributor at the racleaned with mech	ate of 0.25	5 - 0.30 kg pe					
	Tack coat						.	
	Tar cut NH/SH	1	250.000	1.500			375.000	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Tar cut PWD	1	100.000	1.350			135.000			
	Total						510.000			
				To	otal Quantit	y in sqm	510.000			
9.006	5.3.2.a									
	an average output premixed with a bi previously prepare alignment and roll For Grading II - (1	Providing and laying bituminous macadam with 80-100 TPH hot mix plant producing in 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) BM								
	BM	1	250.000	1.500	0.050		18.750			
	Total	1	250.000	1.500	0.030	I	18.750			
	10001			To	tal Quantit	v in cum	18.750			
9.007	5.2.a		-60		····· Zumini	, III CUIII	201700			
	Providing and app distributor at the ra cleaned with mech	ate of 0.20	0 - 0.30 kg pe							
	tack coat									
	Tar cut NH/SH	1	250.000	1.500			375.000			
	Total		OF PUBLIC	M FOR THE M WORKS	ANAGEMENT		375.000			
				To	otal Quantit	y in sqm	375.000			
9.008	5.6.2.a									
	an average output premixed with a bi transporting the ho sensor control to the wheeled, vibratory MORTH specifica mm Nominal Size	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, bremixed with a bituminous binder(NRMB) @ 5.4 percent of mix and filler, ransporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects For Grading - II (13.2)								
	BC									
	Tar cut NH/SH	1	250.000	1.500	0.030		11.250			
	Total					_	11.250			
				To	tal Quantit	y in cum	11.250			
9.009	Providing, laying a thickness compose grade bitumen (V course on a previo appropriate capaci wheeled roller 8-1	ed of 11.2 G - 30) to usly prepa ty not less	mm to 0.09 the required ared base, income than 75 toni	mm (Type-A line, grade, cluding mixines/hour., lay) aggregates and level to s ng in a suitab ving and rolli	using vis serve as wole HMP of ing with a	cosity yearing of Smooth			

Close graded premix TAR CUT PWD 1 100.000 1.350 Total Total Total Quantity in sqm 9.010 5.8.a Providing and laying surface dressing as wearing course in single coat using stone aggregates of specified size on a layer of bituminous binder (VG 30) la prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Gr. 19 mm nominal chipping size Seal coat TAR CUT PWD 1 100.000 1.350 Total Total Quantity in sqm 9.011 12.4 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone ag 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH 1 1485.000 0.900 0.150 Total Total Total Quantity in cum 9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement PWD/SH 1 1485.000 0.900 0.075 CC Pavement PWD/SH 1 1485.000 0.900 0.075 Total Total Quantity in cum 7.02 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement NH 1 1485.000 0.900 0.075 Total Total Quantity in cum	aid on the
Total Total Quantity in sqm 9.010 5.8.a Providing and laying surface dressing as wearing course in single coat using stone aggregates of specified size on a layer of bituminous binder (VG 30) la prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grillo mm nominal chipping size Seal coat TAR CUT PWD 1 100.000 1.350 Total Total Quantity in sqm 9.011 12.4 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone as 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH 1 1485.000 0.900 0.150 Total Total Quantity in cum 9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dratechnical Specifications PCC Grade M20 Wearing Coat CC Pavement PWD/SH 1 1485.000 0.900 0.075 CC Pavement NH 1 4800.000 0.600 0.075 Total	135.000 135.000 crushed aid on the rading I - 135.000 135.000
9.010 5.8.a Providing and laying surface dressing as wearing course in single coat using stone aggregates of specified size on a layer of bituminous binder (VG 30) la prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Gr. 19 mm nominal chipping size Seal coat TAR CUT PWD 1 100.000 1.350 Total Total Quantity in sqm 9.011 12.4 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone as 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH 1 1485.000 0.900 0.150 Total Total Quantity in cum 9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement PWD/SH 1 1485.000 0.900 0.075 CC Pavement NH 1 1485.000 0.900 0.075 Total	135.000 crushed aid on the rading I - 135.000 135.000
9.010 5.8.a Providing and laying surface dressing as wearing course in single coat using stone aggregates of specified size on a layer of bituminous binder (VG 30) la prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Gr. 19 mm nominal chipping size Seal coat TAR CUT PWD 1 100.000 1.350 Total Total Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone ag 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement 1 1485.000 0.900 0.150 Total Total Total Quantity in cum 9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement NH 1 1485.000 0.900 0.075 CC Pavement NH 1 1485.000 0.900 0.075 Total	crushed aid on the rading I -
Providing and laying surface dressing as wearing course in single coat using stone aggregates of specified size on a layer of bituminous binder (VG 30) la prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grain prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grain prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grain prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grain prepared surface and rolling size seed and rolling surface and rolling size seed and rolling surface and rollin	135.000 135.000
stone aggregates of specified size on a layer of bituminous binder (VG 30) la prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Gr. 19 mm nominal chipping size Seal coat TAR CUT PWD 1 100.000 1.350 Total Total Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone as 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH 1 1485.000 0.900 0.150 Total Total Total Quantity in cum 9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement NH 1 1485.000 0.900 0.075 PWD/SH 1 1485.000 0.900 0.075 Total CC Pavement NH 1 1485.000 0.900 0.075 Total	135.000 135.000
Total	135.000
9.011 12.4 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone as 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH	135.000
9.011 12.4 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone as 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH 1 1485.000 0.900 0.150 CC Pavement NH 1 4800.000 0.600 0.150 Total Total Quantity in cum 9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement NH 1 1485.000 0.900 0.075 CC Pavement NH 1 4800.000 0.600 0.075 CC Pavement NH 1 4800.000 0.600 0.075 Total	
9.011 12.4 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone as 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH	135.000
Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone as 40 mm nominal size mechanically mixed, placed in foundation and compacte vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH	
40 mm nominal size mechanically mixed, placed in foundation and compacted vibration including curing for 14 days. PCC 40mm CC Pavement PWD/SH	
CC Pavement	
PWD/SH	
Total Total Quantity in cum 9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement PWD/SH 1 1485.000 0.900 0.075 CC Pavement NH 1 4800.000 0.600 0.075 Total	200.475
Total Quantity in cum	432.000
9.012 12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications Very Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications Wearing Coat CC Pavement PWD/SH 1 1485.000 0.900 0.075 CC Pavement NH 1 4800.000 0.600 0.075 Total	632.475
Plain/Reinforced Cement Concrete in Open Foundation complete as per Dray Technical Specifications PCC Grade M20 Wearing Coat CC Pavement PWD/SH 1 1485.000 0.900 0.075 CC Pavement NH 1 4800.000 0.600 0.075 Total	632.475
Technical Specifications PCC Grade M20	
CC Pavement PWD/SH 1 1485.000 0.900 0.075 CC Pavement NH 1 4800.000 0.600 0.075 Total	wing and
PWD/SH 1 1485.000 0.900 0.075 CC Pavement NH 1 4800.000 0.600 0.075 Total	
Total	100.238
	216.000
Total Quantity in cum	316.238
	316.238
10 Road restoration charges -LSGD	
10.00 3.5.3	
Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket of including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transpot the embankment location with a lift upto 1.5 m and lead upto 1000 m as per Specification Clause 302.3 Excavation	

	Specification	No	Length	Width	Depth	Cf	Quantity	
	Tar Road	1	250.000	0.600	0.400		60.000	
	For Concrete Road	1	550.000	0.500	0.350		96.250	
	Total						156.250	
				To	tal Quantity	y in cum	156.250	
	4.1.A.1							
2	Granular Sub-base with Well Graded Material (Table 400.1) (A) By Mix in P Method Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by place method with rotavator at OMC, and compacting with smooth wheel rolle achieve the desired density, complete as per Technical Specification Clause 40 For Grading I Material							
	GSB							
	Tar Road	1	250.000	0.600	0.200		30.000	
	For Concrete Road	1	550.000	0.500	0.200		55.000	
	Total							
		_		To	tal Quantity	y in cum	85.000	
	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tippe site, laying in uniform layers in sub-base/base course on a well prepared sub-base compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Ta 400.11 & 400.12 and Technical Specification Clause 406. By Mechanical Means with 1 km lead							
	aggregate to wet m water at OMC in r site, laying in unif- compacting with s density including I 400.11 & 400.12 a with 1 km lead	nix macad nechanica orm layer mooth wh ighting, b	am specifical mixer (Pugs in sub-base, neel roller of sparricading and	tion includin Mill), carria base course to 100kN d maintenan	g premixing ge of mixed on a well pro weight to ac ce of diversi	the mater material be epared sul hieve the on, etc as	rial with by tipper to b-base and desired per Tables	
	aggregate to wet m water at OMC in m site, laying in uniforcompacting with s density including I 400.11 & 400.12 a with 1 km lead	nix macad nechanica orm layer mooth wh ighting, b	am specifical mixer (Pug s in sub-base, neel roller of barricading an ical Specifica	tion includin Mill), carria /base course 80 to 100kN ad maintenan ation Clause	g premixing ge of mixed on a well pro- weight to ac ce of diversi 406. By Mo	the mater material be epared sul hieve the on, etc as	rial with by tipper to b-base and desired per Tables Means	
	aggregate to wet m water at OMC in r site, laying in unif- compacting with s density including I 400.11 & 400.12 a with 1 km lead WMM Tar road	nix macad nechanica orm layer mooth wh ighting, b	am specifical mixer (Pugs in sub-base, neel roller of sparricading and	tion includin Mill), carria base course to 100kN d maintenan	g premixing ge of mixed on a well pro weight to ac ce of diversi	the mater material be epared sul hieve the on, etc as	rial with by tipper to b-base and desired per Tables Means	
	aggregate to wet m water at OMC in m site, laying in uniforcompacting with s density including I 400.11 & 400.12 a with 1 km lead	nix macad nechanica orm layer mooth wh ighting, b	am specifical mixer (Pug s in sub-base, neel roller of barricading an ical Specifica	tion includin Mill), carria /base course 80 to 100kN ad maintenan ation Clause	g premixing ge of mixed on a well proweight to acce of diversi 406. By Mo	the mater material t epared sul hieve the on, etc as echanical	rial with by tipper to b-base and desired per Tables Means 30.000 30.000	
10.00	aggregate to wet m water at OMC in r site, laying in unif- compacting with s density including l 400.11 & 400.12 a with 1 km lead WMM Tar road	nix macad nechanica orm layer mooth wh ighting, b	am specifical mixer (Pug s in sub-base, neel roller of barricading an ical Specifica	tion includin Mill), carria /base course 80 to 100kN ad maintenan ation Clause	g premixing ge of mixed on a well pro- weight to ac ce of diversi 406. By Mo	the mater material t epared sul hieve the on, etc as echanical	rial with by tipper to b-base and desired per Tables Means	
10.00	aggregate to wet m water at OMC in r site, laying in unif- compacting with s density including I 400.11 & 400.12 a with 1 km lead WMM Tar road	nix macad nechanica orm layer mooth whighting, b and Techn	am specifical mixer (Pug s in sub-base, neel roller of parricading an ical Specification 250.000 Providing a d surface of g at the rate of	tion includin Mill), carria /base course 80 to 100kN ad maintenan ation Clause 0.600 To and applying granular base	g premixing ge of mixed on a well pre weight to acce of diversi 406. By Me 0.200 otal Quantity primer coaty including cl	the mater material because the epared subsequence the on, etc as echanical with bitume aning of	rial with by tipper to b-base and desired per Tables Means 30.000 30.000 30.000	
	aggregate to wet me water at OMC in me site, laying in unifor compacting with second density including 1 400.11 & 400.12 are with 1 km lead w	nix macad nechanica orm layer mooth whighting, b and Techn	am specifical mixer (Pug s in sub-base, leel roller of parricading an ical Specification of Providing a d surface of g at the rate of	tion includin Mill), carria /base course 80 to 100kN ad maintenan ation Clause 0.600 To and applying granular base	g premixing ge of mixed on a well pre weight to acce of diversi 406. By Me 0.200 otal Quantity primer coaty including cl	the mater material because the epared subsequence the on, etc as echanical with bitume aning of	rial with by tipper to b-base and desired per Tables Means 30.000 30.000 30.000	
	aggregate to wet m water at OMC in r site, laying in unif- compacting with s density including I 400.11 & 400.12 a with 1 km lead WMM Tar road Total 5.1.1a Prime Coat :- Low emulsion (SS-1) or surface and sprayinger Technical Speci	nix macad nechanica orm layer mooth whighting, b and Techn	am specifical mixer (Pug s in sub-base, leel roller of barricading an ical Specification of the surface of g at the rate of Clause 502	tion includin Mill), carria /base course 80 to 100kN and maintenantion Clause 0.600 To md applying ranular base 0.70-1.0 kg	g premixing ge of mixed on a well pre weight to acce of diversi 406. By Me 0.200 otal Quantity primer coaty including cl	the mater material because the epared subsequence the on, etc as echanical with bitume aning of	rial with by tipper to b-base and desired per Tables Means 30.000 30.000 30.000 men road l means as	
	aggregate to wet me water at OMC in resite, laying in uniforcompacting with second density including 1 400.11 & 400.12 awith 1 km lead with 1	nix macad nechanica orm layer mooth whighting, b and Techn	am specifical mixer (Pug s in sub-base, leel roller of barricading an ical Specification of the surface of g at the rate of Clause 502	tion includin Mill), carria /base course 80 to 100kN and maintenantion Clause 0.600 To make applying tranular base 2.0.70-1.0 kg	g premixing ge of mixed on a well pre weight to acce of diversi 406. By Me 0.200 otal Quantity primer coaty including cl	the mater material because the epared subsequence the on, etc as echanical with bitume aning of nechanica	rial with by tipper to b-base and desired per Tables Means 30.000 30.000 30.000 nen road l means as	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Tack Coat Providemulsion distribute surfaces treated with Specification Clau	or at the raith primer	ate of 0.25 to	0.30 kg per	sqm on the p	orepared g	ranular	
	Tack coat							
	for tar road	1	250.000	1.000			250.000	
	Total						250.000	
				To	otal Quantit	y in sqm	250.000	
10.00	5.9.1.2a							
	grade/modified bit open-graded premaggregates either wand level to serve a in a suitable plant, capacity, finished Type A or Type B Manual Means (I OGPC	ix carpet of the case we are in the case we are in the case of the	of 20 mm thie etration grade g course on a d rolling wit d level and g C as per Tech	ckness comp bitumen or previously p h a three who rades to be fo	osed of 13.2 emulsion to prepared base eel 80-100 kl ollowed by s	mm to 5.0 required life, includir N static roeal coat o	6 mm ine, grade ng mixing ller f either	
			250,000	1.050			227 500	
	for tar road	1	250.000	1.350			337.500	
	Total		e-DLATEOD	M COD THEM	AAD 05 A5 A5		337.500	
10.00	- 10 1 0 0		OE BUBLIC	M FOR THETO	otai Quantit	y in sqm	337.500	
7	5.12.A.3.2a Seal Coat - Manua sealing the voids in fall using Type A, By Manual Means	n a bitumi Type B a	nous surface nd Type C as	laid to the sp per Technic	pecified leve cal Specificat	ls, grade a	and cross	
	Seal coat							
	for tar road	1	250.000	1.350			337.500	
	Total						337.500	
				To	otal Quantit	y in sqm	337.500	
	11.4.3.1							
8	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 III. P.C.C. grade M 20 (i) Nominal mix (1:2:4)							
	Cement concrete							
	for concrete road	1	550.000	0.900	0.150		74.250	
	Total						74.250	
				To	tal Quantit	y in cum	74.250	
11	Electrification wor Erachilpara	ks and Su	ipply erection	n testing and	commission	ing of pur	mp sets at	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
11.00 1	OD149124/2022-2	2023					



To 2 Su Su fo ar th co 17 Ti	G).CAPACITOR apply, erection, te apacitor for the all onfirm to IS 2834H).VALVE:- Supply anged sluice valve hall include proper uction pump set sepair works. Present; brægt; ælt; brægt; manner for a total lengize foot valve and uitable flanges, manner from (approx), valægt; ælt; brægt; ælt; brægt; br	esting and of above moto 4 & lt; br & goply of suite and Noneer RCC sustained and suite sure gauge etgt; (I). SUC of suitable gth of 8 md connectinut and bold 150mm Mes and suite and suite suite and suite a	or to get unit gt; table size be return valve pport especie should be e on both succTION ANI e size best q (approx). sung the suction ts IR sheet e S pipe of this table special of light fitting ton testing a CA with 0.5	y
 a="" ally="" and="" ckness="" complet="" connec<="" ction="" d="" de="" delivei="" e="" for="" h="" in="" itable="" ms="" no="" not="" of="" on="" p="" pipe="" quality="" s="" si="" st="" suction="" suita="" tc.="" th="" to="" uality="" with=""><th>eavy duty ISI ble pressure ran return valve is well as delivery side RY PIPE CONTROLL TO THE RESERVATION OF THE RESERVATION OF</th><th>Marked Cating.fittins. In case overy sides NECTIONS not less poset and so and valving the delm for a total pring main</th><th>I double g of valves of positive for easy NS:- s than 8 suitable with livery side al length of a 2.000 2.000 2.000</th></br>>	eavy duty ISI ble pressure ran return valve is well as delivery side RY PIPE CONTROLL TO THE RESERVATION OF	Marked Cating.fittins. In case overy sides NECTIONS not less poset and so and valving the delm for a total pring main	I double g of valves of positive for easy NS:- s than 8 suitable with livery side al length of a 2.000 2.000 2.000
11.00 O St St fo ar th co 12 T T	pump sets Ootal OD151203/2022-2 Supply & Dupply, conveyand ollowing types mind lamps etc. directione fitting and givi	2023 stallation o ce installa- lade of CR ectly on w	f light fitting tion testing a	gs on TW ro	Total Quan	tity in no	2.000 2.000 2.000
11.00 O Si Si fo ar th co 12 Ti	OD151203/2022-2 supply & Done instruptly, conveyant ollowing types mind lamps etc. directly fitting and giving the fitting the fitting and giving the fitting the fittin	2023 stallation o ce installation of CR ectly on w	tion testing a CA with 0.5	and commis	ound block		2.000
11.00 O 2 St St fo ar th co 12 T	DD151203/2022-2 supply & Dupply, conveyand ollowing types m and lamps etc. direct	2023 stallation o ce installation of CR ectly on w	tion testing a CA with 0.5	and commis	ound block		2.000
11.00 O 2 St St fo ar th co 12 T	DD151203/2022-2 supply & Dupply, conveyand ollowing types m and lamps etc. direct	stallation of ce installation of CR ectly on w	tion testing a CA with 0.5	and commis	ound block		2.000
2 Su Su fo ar th co	supply & amp; ins upply, conveyand ollowing types mand lamps etc. directly fitting and giving the strength of	stallation of ce installation of CR ectly on w	tion testing a CA with 0.5	and commis	ound block		
2 Su Su fo ar th co	supply & amp; ins upply, conveyand ollowing types mand lamps etc. directly fitting and giving the strength of	stallation of ce installation of CR ectly on w	tion testing a CA with 0.5	and commis		aht fittings	
1.	x28wT5 fitting w GHD less than 109	re conform	ction with re ling to releva- lectronic ba	g with PVC quired leng ant ISS and llast suitabl	round block r th of 16/0.20n giving conne e for continuo	neatly pain nm 3 core ctions as rous us operations	ted to suit copper equired.
	ed Tube set						
		6					6.000
T	otal						6.000
\longrightarrow					Total Quan	tity in no	6.000
2	DD151204/2022-2						
3 Pr	Providing and fixion onnections etc. as	ing 25 mm s required.	X 5 mm co As per Data	pper strip o abook DAR	n surface or ir Electrical-5.1	recess for 4.	r
25	5mm x 5 mm cop	pper strip f	for earthing	T		, , , , , , , , , , , , , , , , , , ,	
		1	8.000				8.000
T	otal						8.000
				To	tal Quantity	in metre	8.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	25mm PVC Conduction conduit along with good the same in conference Electrical-1.21.2.	accessor	ies in surface	/ recessinclu	ding cutting	the wall a	and making	
	25 mm pvc condui	t						
		1	6.000				6.000	
	Total						6.000	
				Tota	al Quantity	in metre	6.000	
11.00	OD151209/2022-2	2023						
5	Wiring with 3x 4 s drawing following the existing surface databook DAR Ele From Main DB to	sizes of I recesse ectrical-1.	FRLS PVC in d steel/ PVC 17.21.	isulated copp	per conductor	r, single c	ore cable in	
		1	6.000	le/\			6.000	
	Total		a Ki	57A			6.000	
				Tota	al Quantity	in metre	6.000	
11.00	OD151210/2022-2	2023			<u> </u>		0,000	
	neutral, sheet steel tinned copper bus painted including of Double door. As p	bar, neutr earthing e	al bus bar, ea tc. as require	irth bar, din l d. (But with	oar, interconi out MCBIRC	nections, j	powder	
		1					1.000	
	Total		-				1.000	
				,	Total Quant	ity in no	1.000	
11.00	OD151211/2022-2	2023						
7	SPN 5-32A MCB-Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable forinductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. asrequired. Single pole and netural .As per Databook DAR Electrical-2.10.2.							
	MCB 5 -32 A							
		2					2.000	
	Total						2.000	
				,	Total Quant	ity in no	2.000	
_	OD151212/2022-2	2023						
8	DP Isolator 40A - isolator in the exis commissioning etc	ting MCB	B DB comple	te withconne	ctions, testin	g and		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	DP Isolator 40A										
		1					1.000				
	Total						1.000				
				,	Total Quant	ity in no	1.000				
11.00	OD151213/2022-2	2023				-					
9	RCCB DP 40A - Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuitbreaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps . As per Databook DAR Electrical 2.14.2.										
	RCCB DP 40A	1					1 000				
	T-4-1	1					1.000				
	Total		J	W/	T-4-1 O4	•4 •	1.000				
11.01	OD151214/2022-2	1022	TIK.	(a)/ALU	Total Quant	ity in no	1.000				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p	oper condu ectrical 1.	actor single of 10.2.	core cable etc		-	As per				
		14					14.000				
	Total			TD:	(.10 41	• • • •	14.000				
11.01	OD151015/2022	2022		<u>T'01</u>	tal Quantity	in point	14.000				
11.01 1	OD151215/2022-2023 Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. As per Data book Electrical 5.6										
	Earting with coppe	er plate 60	00mm x600n	ım		Т					
		1					1.000				
	Total						1.000				
				7	Total Quant	ity in set	1.000				
11.01 2		g electrica	al connection	n from KSEB	including d	ocumentat	tion fee				
	1 1 -	Expenses of getting electrical connection from KSEB including documentation fee,									
	Electrical connecti		n charges et				non rec,				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
		1					1.000				
	Total						1.000				
	Total Quantity in job										
_	OD151293/2022-2023 Supply, conveyance, installation and commissioning of light duty Exhaust fan of										
3	Supply, conveyand 300/305mm sweep good the damages	in metal	frame worki	ng on 230V	A/C 300 swe	ep includ					
	Exhaust Fan for Pl	H			Γ	I					
		2					2.000				
	Total						2.000				
				ı	Total Quant	tity in no	2.000				
11.01	Supply conveyanc street/Yard light or protection with LE 0.95 at full load ,ir powder coated hot greater than 0.98 F compartment shou Certificate from N manufacturer) Yard Light Total	e ,installa ut put gree ED chip m nternal sun ising acry ROHS com ld be sepa	ater than 105 ake cree/Lunge protection liccover compliant duly varately acces	lumen/watts milled/Niche n up to 8 kv a nplete with T wired up for sible for mai arty lab prod	4000-6000K a with power and allumini thD less than use on 230v ntanance(LM luced mentio	X with IP6 rfactor gre um preasu n 10% pov AC supply 1 79& ning chip	eater than are die cast ver factor y.Driver				
11.01	OD203361/2022-2023 Supply, delivery and fixing of 3 T or suitable capacity Electrically and manually working on single girder with overhead travelling trolley and clear lift as per site conditions for lifting the chemicals, Chlorine, pumps etc and fitting as required, supplied with one set of crane slings with GI D shackle and clamps etc. complete as per the instruction of the Engineer in charge. 										
		1					1.000				
	Total						1.000				
	1 Juli				Total Quant	tity in no	1.000				
12	Electrification wor Poopara	ks and Su	ipply erectio								
12.00	OD149129/2022-2	2023									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply, erection & marked centrifuga maximum efficien stainless steel shaf suitable fully Auto	l pumpset cy workir t, CI/SS p	thaving a 15 ng at 230/415 oump casing	LPS dischar V at 50 Hz, with suitable	ge against 14 1450 rpm wi type base pl	15 M heac th bronze ate, inclu	d at its impeller, ding
	current protection lamps, voltmeter, a	relay, MS ammeter,	S panel board change over	with MCCB switch etc su	s, ELCB, Capuitable for the	pacitor, In e above m	ndicator notor pump
	set including necessive return & amp; sluid regulations & amp; per the direction of documentation is r	ce valves, KSEB st f dept. off required, t	suction & and and and efficers and 2 years that should be	np; delivery or rected & amprears of free it arranged by	connections e o; trial run co maintenance. of the supplier	etc as per onducted f If any r.A). PUN	ISI and IE for 7days as MP:- Supply
	, erection, testing with Bronze/SS im plate with coupling for coupling the pu including providin	npeller , S g ,couplin amp and r	S shaft and C g guard foun notor above	CI pump casing dation bolts the base <b< th=""><th>ng with suita and nuts etc. or>plate e</th><th>ble type of complete tc comple</th><th>of base e suitable ete</th></b<>	ng with suita and nuts etc. or>plate e	ble type of complete tc comple	of base e suitable ete
	metal etc complete 145m,Speed -1460 (B). MOTOR:- sup make horizontal so	e the duty orpm, &lopply, erecolid shaft	condition is t;br> ction, testing foot mounted	as follows di and commis TEFC squa	scharge - 15 ssioning of K ral cage indu	lps, total Eirloskar raction mot	head - reputed tor suitable
	for the above pump V / 3300 V. The magnetic providing suitable complete. Flexible	notor sha concrete coupling	Il confirm to foundation in shall be use	IE2/IE3 as post acluding cost d for couplin	er IS 12615- of cement, s g of pumps a	2018 included and and motor motor and motor and motor and motor and motor and	uding metal etc rs
	(C).STARTER:- S wound auto transfe thick steel sheath c associated with infor controlling fun above motor - L&a No L&T or equal to the controlling fun above motor - L&a no L&T or equal to the controlling fun above motor - L&a	ormer have dust and vot cable ctions of amp;T or quivalent	ring 40,60,80 rermin proof entry boxes the the fully equivalent recommends of the comment of the	w taping mo floor mounte for accommo automatic au eputed co. ma NX 95 contact	ounded with ped control culodating the foto transformake MNX 22 betor unit- 2 N	powder cobical pane blowing per starter. 5 contactors Timer	oated 2 mm el parameters suitable for or unit -1
	supervisory trip re single phasing pre ,trip & amp; 3 phas Power Circuit wiri control wiring <	venter AV se indicati ng with 2	/F digital me on lamps, Di	ter 1 No and gital or num	selector swi erical motor	tch - 1 set protection	t ON/Off n relay
	(D).PANNEL BO. floor mounted MS consisting of 1 No Aluminium bus ba	ARD :- Some fabricate suitable ar inter co.	d dust and verting of 3 punners the about	ermin proof coole MCCB a ove MCCB a	common cont as incomer pr and fitted with	trol panel coviding s n 3 Nos of	board suitable size f indicator
	lamps, 1 No. volt is complete and prove practice. the panel (E).CAl suitable size Alum panel board to star accessories from si	rided with shall be f BLING W inium conter and so	duplicate ea litted on a co loRK:- Supp nductor armo uitable size c	rth point as p mmon base f oly, laying, te oured cables f able through	per CEA regularized rame on suit esting and cofor the above PVC pipe,	lation and able found mmission se pump se flexible h	d code of dation hing of t from hose and
	(F). EARTHING: Supply of all mate	-					
	/column/floor/buri motor,starter,pane						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	 (G).CAPACITOR Supply,erection,tecapacitor for the alconfirm to IS 2834 (H).VALVE:- Supfanged sluice valves shall include propes suction pump set serepair works. Press (I).SUCTION AN suitable size best of 8 m (approx). suita connecting the suction and bolts IR sheet 150mm MS pipe of vales and suitable	sting and bove mote & lt; br& ply of suite and Nor er RCC suluice valvesure gaug D DELIV puality Mable for the tion pipe etc. compof thickness	or to get unit gt; itable size be a return valve apport especive should be e on both such ERY PIPE CS pipe of thick above purn of size 200m olete and conss not less the	y p st quality hea e with suitable ally for Non in suction as ction and deli- CONNECTION kness not less ap set and suitant MS and venecting the dan 8 mm for	avy duty ISI le pressure ra return valves well as delivivery side &l DNS:- Supply ss than 8 mm itable size for alve with suilelivery side a total length	Marked Cating.fitting.fitting.s. In case very sides at; br> and fitting for a tota ot valve a sitable flam of the pur	CI double g of valves of positive for easy clt;br> ng of l length of nd ges, nut np with
	Poopara to Erach	ilpara	- E				
		2	(A1)				2.000
	Total			The state of the s			2.000
					Total Quant	ity in no	2.000
12.00	OD151128/2022-2	2023	e-PLATFOR	M FOR THE M	IANAGEMENT		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply, erection & marked centrifuga maximum efficien stainless steel shaf suitable fully Auto	l pumpset cy workit t, CI/SS p	thaving a 3 Ing at 230/415 Sump casing	LPS discharg V at 50 Hz, with suitable	e against 180 1450 rpm wi type base pl	M head th bronze ate, includ	at its impeller, ding
	current protection lamps, voltmeter,	relay, MS	s panel board	with MCCB	s, ELCB, Cap	pacitor, In	dicator
	set including neces return & p; sluic regulations & per the direction of documentation is r	ssary coppose valves, KSEB stored for the state of the st	per cable for suction & an candard and efficers and 2 y hat should be	wiring, earth ap; delivery of rected & amprears of free it arranged by	sing, suitable connections e o; trial run co maintenance, y the supplier	size GM/ etc as per inducted f If any c. A). Pl	CI non ISI and IE For 7days as UMP:-
	Supply, erection, pumpsets with Brobase plate with consuitable for coupling including providing metal etc complete 180m, Speed - 1460	onze/SS in upling, cong the puring suitable the duty of prom, &ld	npeller, SS something guard mp and moto e concrete for condition is t;br>	shaft and CI p foundation le r above the bundation includes as follows di	pump casing polts and nut pase <br&g uding cost of scharge - 3 l</br&g 	with suits s etc. com t;plate etc cement, ps, total h	able type of applete c complete sand and applete and -
	(B). MOTOR:- supmake horizontal so for the above pum V / 3300 V . The r providing suitable complete. Flexible (C).STARTER:- S wound auto transfe thick steel sheath cassociated with infor controlling fun above motor - L&a	pply, erecolid shaft p working notor shall concrete coupling supply, erecormer have dust and vout cable actions of	ction, testing foot mounted 3 phase 50	I TEFC squa IZ AC suppl IE2/IE3 as p cluding cost I for couplin g and commi taping mo floor mounte for accommo automatic au	ral cage indu y, working y er IS 12615- c of cement, s g of pumps a ssioning of counded with p ed control culodating the fo to transform	ection motovoltage&l 2018 inclusion and and motor lary type copowder copowder copowder copowder copowder grant paner starter.	tor suitable it;br>415 uding metal etc s opper oated 2 mm el parameters suitable for
	No L&T or edsupervisory trip resingle phasing pretrip & 3 phase Power Circuit wiricontrol wiring <	quivalent lay 1 Noventer AV se indications with 2	Co make MN OV/UV cont /F digital me on lamps, Di	NX 95 contact rol relays Miter 1 No and gital or numers.	ctor unit- 2 N nilac or equi selector swi erical motor	os Timer valent Co tch - 1 set protection	and make t ON/Off n relay
	(D).PANNEL BO. floor mounted MS consisting of 1 No Aluminium bus ba lamps, 1 No. volt is complete and prov practice. the panel (E).CAl suitable size Alum panel board to star accessories from s (F). EARTHING:	ARD:- So fabricate a suitable or inter cometer with shall be fabricated with shall be fabrinium conter and starter to make tarter to make a suitable fabricated with shall be fabricated with shall	d dust and verating of 3 propert the about selector sward duplicate earted on a conformation of the confor	ermin proof coole MCCB as ove MCCB artich, 1 No. A rth point as promon base foly, laying, to ured cables fable through	common contast incomer production incomer production incomer production incomer production income in	trol panel roviding so a 3 Nos of a selector alation and able found mmission a pump set flexible h	board suitable size f indicator switch etc. d code of dation hing of t from hose and
	Supply of all mate wall /column/floor/buri motor, starter, pane	rial and p	. 20 mtrs) in	ground and g	giving double	e earthing	to

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	 (G).CAPACITOR Supply,erection,tecapacitor for the alconfirm to IS 2834 (H).VALVE:- Supfanged sluice valveshall include propesuction pump set serepair works. Press (I).SUCTION ANsuitable size best of 8 m (approx). suita connecting the suction and bolts IR sheet 150mm MS pipe of vales and suitable	sting and bove mote & & lt; br& oply of suite and Nor er RCC suluice valvature gaug D DELIV quality Mable for the etc. compof thickness	or to get unity gt; table size be return valve apport especi ve should be e on both suc ERY PIPE C S pipe of thic he above pum of size 200m blete and con ss not less the	y p st quality hea e with suitable ally for Non in suction as ction and deli- CONNECTION kness not less up set and suitan MS and venecting the dan 8 mm for	avy duty ISI le pressure ra return valves well as delivivery side &l DNS:- Supply stable size for alve with suitelivery side a total lengt	Marked Cating.fitting.fitting.s. In case type sides type and fitting for a total type to the purious the purious transport the purious transport the purious transport to the purious transport to the purious transport to the purious transport tran	I double g of valves of positive for easy elt;br> ng of l length of nd ges, nut np with
	Poopara to Magna	a Peak					
		2	412				2.000
	Total			The state of the s			2.000
				+ 11	Total Quant	ity in no	2.000
	Supply & Supply, conveyand following types mand lamps etc. dire the fitting and givic conductor flex wir 1x28wT5 fitting w THD less than 109	ce installa ade of CR ectly on wang conne- re conformath APF of	tion testing a CCA with 0.5 call or ceiling ction with re- ning to releva- electronic bal	and commiss mm thickness with PVC required length ant ISS and g last suitable	ioning the lights complete vound block not 16/0.20ng connections for continuo	vith all ac eatly pain im 3 core ctions as r us operati	cessories ted to suit copper equired. on with
	Led Tube set	6					6.000
	Total	1 0					6.000
					Total Quant	ity in no	6.000
12.00	OD151298/2022-2	2023			- Juni Quulli	, 111 110	0.000
4	Providing and fixing connections etc. as	ng 25 mm s required	. As per Data				r
	25mm x 5 mm cop	pper strip	-				0 000
	Total	1	8.000				8.000 8.000
	1 Utai			Tot	al Quantity	in metre	8.000
12.00 5	OD151299/2022-2	2023					3.330

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	25mm PVC Conduction conduit along with good the same in callelectrical-1.21.2.	accessor	ies in surface	/ recessinclu	ding cutting	the wall a	nd making	
	25 mm pvc condui	t ,						
		1	6.000				6.000	
	Total						6.000	
				Tota	al Quantity	in metre	6.000	
12.00	OD151300/2022-2	023						
6	Wiring with 3x 4 so drawing following the existing surface databook DAR Ele From Main DB to 1	sizes of I / recesse ctrical-1.	FRLS PVC ir d steel/ PVC 17.21.	isulated copp	per conductor	r, single c	ore cable in	
		1	6.000	lw?\			6.000	
	Total		0.000	577			6.000	
			400	Tota	al Quantity	in metre	6.000	
12.00	OD151301/2022-2	023		100	ar Quarrery		0.000	
	neutral, sheet steel, tinned copper bus be painted including e Double door. As por 12 way MCB DB	oar, neutr arthing e	al bus bar, ea tc. as require	irth bar, din b d. (But witho	oar, interconi out MCBIRC	nections, p	oowder	
		1					1.000	
	Total						1.000	
				ŗ	Total Quant	ity in no	1.000	
12.00	OD151302/2022-2	023				<u> </u>		
8	SPN 5-32A MCB-Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable forinductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. asrequired. Single pole and netural .As per Databook DAR Electrical-2.10.2.							
	MCB 5 -32 A				T			
		2					2.000	
	/D . 4 . 1							
	Total						2.000	
	10tai			ŗ	Fotal Quant	ity in no		
12.00	OD151303/2022-2	023		r	Fotal Quant	ity in no	2.000	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	DP Isolator 40A										
		1					1.000				
	Total						1.000				
		ity in no	1.000								
12.01	OD151304/2022-2	2023									
0	neutral), 240 volts current circuitbrea the existing MCB required. 40 amps As per Databook I	RCCB DP 40A - Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuitbreaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps . As per Databook DAR Electrical 2.14.2.									
	RCCB DP 40A	1					1 000				
	Total	1					1.000				
	Total		1	W.	Total Quant	ity in no	1.000 1.000				
12.01	OD151305/2022-2	2022		(a) /4 (b)	Total Quant	ity m no	1.000				
	insulated copperco	onductor s	ingle core c <mark>a</mark>	i <mark>ble in</mark> surfac	e / recessed i	medium c	lass PVC				
		ch, modul oper condu ectrical 1.	ar plate, suit actor single of 10.2.	ableGI box a	nd earthing t	the point v	with 1.5				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El	ch, modul oper condu ectrical 1.	ar plate, suit actor single of 10.2.	ableGI box a	nd earthing t	the point v	As per				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El	ch, modul oper condu ectrical 1.	ar plate, suit actor single of 10.2.	ableGI box a	nd earthing t	the point v	As per 14.000				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p	ch, modul oper condu ectrical 1.	ar plate, suit actor single of 10.2.	ableGI box a core cable etc	nd earthing t	the point v	As per 14.000 14.000				
12.01	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p	ch, modul oper condu ectrical 1. ooints with	ar plate, suit actor single of 10.2.	ableGI box a core cable etc	nd earthing t	the point v	As per 14.000 14.000				
12.01	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p	ch, modul oper conductorical 1. opints with 14 2023 per earth providing nevatering p	ar plate, suit actor single of 10.2. 11.5 sqmm v plate 600 mm asonry encl ipe of 2.7 mo	ableGI box a core cable etc. Total X 600 mm osure with coerce long etc.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	14.000 14.000 14.000				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151306/2022-2 Earthing with copp accessories, and pr arrangement and v	oper conductorical 1. coints with 14 2023 per earth providing nevatering protections in the conductoric points with the conductoric providing in the conductoric protection in the conductoric providing in the conductoric provided in the conductoric providing in the conductor	ar plate, suit actor single of 10.2. 1.5 sqmm value of 2.7 me Electrical 5.6	ableGI box a core cable etc. To X 600 mm osure with coefficient coefficients.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	14.000 14.000 14.000				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151306/2022-2 Earthing with copp accessories, and pr arrangement and w required. As per D	oper conductorical 1. coints with 14 2023 per earth providing nevatering protections in the conductoric points with the conductoric providing in the conductoric protection in the conductoric providing in the conductoric provided in the conductoric providing in the conductor	ar plate, suit actor single of 10.2. 1.5 sqmm value of 2.7 me Electrical 5.6	ableGI box a core cable etc. To X 600 mm osure with coefficient coefficients.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	14.000 14.000 14.000				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151306/2022-2 Earthing with copp accessories, and pr arrangement and w required. As per D	pper conductorical 1. points with 14 2023 per earth providing novatering potata book 1 per plate 60	ar plate, suit actor single of 10.2. 1.5 sqmm value of 2.7 me Electrical 5.6	ableGI box a core cable etc. To X 600 mm osure with coefficient coefficients.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	14.000 14.000 14.000 19 and salt as				
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151306/2022-2 Earthing with copp accessories, and pr arrangement and v required. As per D Earting with coppe	pper conductorical 1. points with 14 2023 per earth providing novatering potata book 1 per plate 60	ar plate, suit actor single of 10.2. 1.5 sqmm value of 2.7 me Electrical 5.6	ableGI box a core cable etc. Total X 600 mm osure with coerre long etc.	tal Quantity X 3 mm thic over plate ha	the point varieties of	14.000 14.000 14.000 19 19 19 10 10 11 1000				
12.01	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151306/2022-2 Earthing with copp accessories, and pr arrangement and v required. As per D Earting with coppe	ch, modul oper conductorical 1. opints with 14 2023 oper earth providing novatering potata book 1 er plate 60 1	ar plate, suit actor single of 10.2. 1.5 sqmm value of 2.7 me Electrical 5.6	ableGI box a core cable etc. Total X 600 mm osure with coerre long etc.	tal Quantity X 3 mm thicover plate har with charcoa	the point varieties of	14.000 14.000 14.000 14.000 14.000 1.000				
2	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151306/2022-2 Earthing with copp accessories, and pr arrangement and w required. As per D Earting with coppe Total	pper conductorical 1. 2023 per earth providing novatering potata book 1 2023 g electrical 1.	ar plate, suit actor single of 10.2. 1.5 sqmm value of 2.7 me sipe of 2.7 me selectrical 5.6 mm x600m	Too X 600 mm osure with ceetre long etc.	tal Quantity X 3 mm thic over plate has with charcos	the point variety in point wing locking lockin	14.000 14.000 14.000 14.000 14.000 1.000 1.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
		1					1.000				
	Total						1.000				
				7	otal Quanti	ty in job	1.000				
	OD151308/2022-2023										
4	Supply, conveyance, installation and commissioning of light duty Exhaust 300/305mm sweep in metal frame working on 230V A/C 300 sweep include good the damages etc as required as directed by the departmental officers										
	Exhaust Fan for Pl	Н									
		2					2.000				
	Total						2.000				
				ı	Total Quant	ity in no	2.000				
12.01	OD152566/2022-2	2023									
	0.95 at full load ,ir powder coated hou greater than 0.98 R compartment shou Certificate from N manufacturer)	ising acry ROHS com ld be sepa	liccover compliant duly varately access	nplete with T wired up for sib <mark>le</mark> for mai	HD less than use on 230v ntanance(LM	ı 10% pov AC suppl _! I 79&	ver factor y.Driver				
	Yard Light		OF PUBLIC	WORKS	MINAGEMENT						
		4					4.000				
	Total						4.000				
					Total Quant	ity in no	4.000				
12.01	OD203362/2022-2	2023									
6	working on single conditions for lifting supplied with one	Supply, delivery and fixing of 3 T or suitable capacity Electrically and manually working on single girder with overhead travelling trolley and clear lift as per site conditions for lifting the chemicals, Chlorine, pumps etc and fitting as required, supplied with one set of crane slings with GI D shackle and clamps etc. complete as per the instruction of the Engineer in charge. 									
		1					1.000				
	Total	1					1.000				
	10441				Total Quant	ity in no	1.000				
13	Electrification wor Jamespadi	ks and Su	ipply erectio								
13.00 1	OD149131/2022-2	2023									

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

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	 (G).CAPACITOR:- Supply,erection,testing and commissioning suitable rating of of heavy duty capacitor for the above motor to get unity power factor. The capaconfirm to IS 2834 (H).VALVE:- Supply of suitable size best quality heavy duty ISI Marked C fanged sluice valve and Non return valve with suitable pressure rating.fitting shall include proper RCC support especially for Non return valves. In case of suction pump set sluice valve should be in suction as well as delivery sides repair works. Pressure gauge on both suction and delivery side & (I).SUCTION AND DELIVERY PIPE CONNECTIONS:- Supply and fitting suitable size best quality MS pipe of thickness not less than 8 mm for a total 8 m (approx). suitable for the above pump set and suitable size foot valve and connecting the suction pipe of size 200mm MS and valve with suitable flang and bolts IR sheet etc. complete and connecting the delivery side of the pum 150mm MS pipe of thickness not less than 8 mm for a total length of 8 m (avales and suitable specials to connect with the pumping main						
	at Jamespadi Pump	•	A COMMITTEE WI	M.			
		2		524			2.000
	Total		200				2.000
				716	Total Quant	ity in no	2.000
	Supply & Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required. 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD less than 10%, power factor greater than 0.98, RoHS compliant, high lumen tube						
	Led Tube set						
	Lea Tube set	6					6.000
	Total					<u> </u>	6.000
				,	Total Quant	ity in no	6.000
13.00	OD151314/2022-2	2023					
3	Providing and fixing connections etc. as	required	. As per Data				r
	25mm x 5 mm cop	per strip	•				9 000
	Total	1_	8.000				8.000 8.000
	1 Otal			Tot	al Quantity	in metre	8.000
13.00	OD151315/2022-2	2023		100	Xuunut		0.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	25mm PVC Conduit- Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recessincluding cutting the wall and makin good the same in case of recessed conduit as required. 25 mm .As per Databook DAF Electrical-1.21.2.								
	25 mm pvc conduit								
		1	6.000				6.000		
	Total						6.000		
				Tota	al Quantity	in metre	6.000		
13.00	OD151316/2022-2	.023							
5	Wiring with 3x 4 s drawing following the existing surface databook DAR Ele From Main DB to	sizes of I / recesse ectrical-1.	FRLS PVC ir d steel/ PVC 17.21.	isulated copp	per conductor	r, single c	ore cable in		
		1	6.000	W//			6.000		
	Total						6.000		
			10010	Tota	al Quantity	in metre	6.000		
13.00	OD151317/2022-2	.023							
	12 Way MCB DB 240V -Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator 12 way, Double door. As per Databook DAR Electrical-2.3.3. 12 way MCB DB								
		1					1.000		
	Total						1.000		
				,	Total Quant	ity in no	1.000		
13.00	OD151318/2022-2023								
7	SPN 5-32A MCB-Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable forinductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. asrequired. Single pole and netural .As per Databook DAR Electrical-2.10.2.								
	MCB 5 -32 A								
	I					1			
		2					2.000		
	Total	2					2.000 2.000		
	Total	2		,	Fotal Quant	ity in no			
13.00	Total OD151319/2022-2			,	Fotal Quant	ity in no	2.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	DP Isolator 40A									
		1					1.000			
	Total						1.000			
	Total Quantity in no 1									
13.00	OD151320/2022-2	2023								
9	neutral), 240 volts current circuitbrea the existing MCB required. 40 amps	RCCB DP 40A - Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuitbreaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps . As per Databook DAR Electrical 2.14.2.								
	RCCB DP 40A	1					1.000			
	Total	1					1.000			
	lotai		1	W/_	Total Quant	tity in no	1.000			
13.01	OD151321/2022-2	2022	IJ.	(a)/A)	Total Qualit	nty m no	1.000			
	insulated copperco									
		ch, modul oper condu ectrical 1. points wit	ar plate, suit actor single c 10.2.	ableGI box a	nd earthing t	the point v	with 1.5 As per			
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan	ch, modul oper condu ectrical 1.	ar plate, suit actor single c 10.2.	ableGI box a	nd earthing t	the point v	with 1.5 As per 14.000			
	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El	ch, modul oper condu ectrical 1. points wit	ar plate, suit actor single c 10.2.	ableGI box a core cable etc	and earthing to as required.	the point v	with 1.5 As per 14.000 14.000			
13.01	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan	ch, modul oper condu ectrical 1. points wit 14	ar plate, suit actor single c 10.2.	ableGI box a core cable etc	nd earthing t	the point v	with 1.5 As per 14.000 14.000			
13.01	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan	ch, modul oper conductorical 1. points wit 14 2023 per earth providing nevatering p	ar plate, suit actor single control of the control	ableGI box a core cable etc. Wire To X 600 mm osure with coerre long etc.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	with 1.5 As per 14.000 14.000 14.000			
-	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151322/2022-2 Earthing with copp accessories, and prarrangement and w	poper conductorical 1. points wit 14 2023 per earth providing nextering per parts book	ar plate, suit actor single of 10.2. h 1.5 sqmm plate 600 mm nasonry enclipe of 2.7 me Electrical 5.6	ableGI box a core cable etc. To X 600 mm osure with coerre long etc.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	with 1.5 As per 14.000 14.000 14.000			
-	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151322/2022-2 Earthing with copp accessories, and pr arrangement and w required. As per D Earting with coppe	poper conductorical 1. points wit 14 2023 per earth providing nextering per parts book	ar plate, suit actor single of 10.2. h 1.5 sqmm plate 600 mm nasonry enclipe of 2.7 me Electrical 5.6	ableGI box a core cable etc. To X 600 mm osure with coerre long etc.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	14.000 14.000 14.000 14.000 14.000			
-	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151322/2022-2 Earthing with copp accessories, and pr arrangement and w required. As per D	poper conductorical 1. points wit 14 2023 per earth providing nextering per parts book	ar plate, suit actor single of 10.2. h 1.5 sqmm plate 600 mm nasonry enclipe of 2.7 me Electrical 5.6	ableGI box a core cable etc. To X 600 mm osure with coerre long etc.	tal Quantity X 3 mm thicover plate ha with charcoa	the point variety of the point	14.000 14.000 14.000 14.000 14.000 1.000			
1	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151322/2022-2 Earthing with copp accessories, and pr arrangement and w required. As per D Earting with coppe Total	poper conductorical 1. points wit 14 2023 per earth providing novatering poper to the poor to the	ar plate, suit actor single of 10.2. h 1.5 sqmm plate 600 mm nasonry enclipe of 2.7 me Electrical 5.6	ableGI box a core cable etc. To X 600 mm osure with coerre long etc.	tal Quantity X 3 mm thic over plate ha	the point variety of the point	14.000 14.000 14.000 14.000 14.000 1.000			
-	conduit, with modular swite sq.mm. FRLS PVC insulated cop Databook DAR El Wiring light/fan p Total OD151322/2022-2 Earthing with copp accessories, and pr arrangement and w required. As per D Earting with coppe	poer conductorical 1. 2023 per earth providing novatering potata book ler plate 60 1 2023 g electrical 1.	ar plate, suitant of the control of	To X 600 mm osure with cettre long etc. for from KSEE	tal Quantity X 3 mm thicover plate ha with charcoa	the point variety in point wing locking lockin	14.000 14.000 14.000 14.000 14.000 1.000 1.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
		1					1.000	
	Total						1.000	
				7	Total Quanti	ty in job	1.000	
13.01	OD151324/2022-2	2023						
3	Supply, conveyand 300/305mm sweep good the damages	in metal	frame worki	ng on 230V	A/C 300 swe	ep includi	an of ing making	
	Exhaust Fan for PH							
		2					2.000	
	Total						2.000	
				ı	Total Quant	ity in no	2.000	
13.01	OD152571/2022-2	2023						
	powder coated hou greater than 0.98 R compartment shou Certificate from N manufacturer)	ROHS com ld be sepa	pliant duly varately access	wired up for sible for mai	use on 230v ntanance(LM	AC supply I 79&	y.Driver	
	Yard Light		OF PUBLIC	WORKS		Г		
		4					4.000 4.000	
	Total							
	Total Quantity in no 4.							
_	OD203364/2022-2023							
5	Supply, delivery and fixing of 3 T or suitable capacity Electrically and manually working on single girder with overhead travelling trolley and clear lift as per site conditions for lifting the chemicals, Chlorine, pumps etc and fitting as required, supplied with one set of crane slings with GI D shackle and clamps etc. complete as per the instruction of the Engineer in charge. Lit; br>							
	per the instruction		gineer in cha			os etc. con	aired,	
	per the instruction .	of the En	gineer in cha			s etc. con	uired, aplete as	
			gineer in cha			os etc. con	nired, hiplete as 1.000	
	Total	of the En	gineer in cha	arge. <br&;< td=""><td></td><td></td><td>aired, aplete as</td></br&;<>			aired, aplete as	