

TS Register No: 621/2022-2023

AS Register No:654/2022-2023

**KIIFB 2017-18-CONSTRUCTION OF REGULATOR CUM BRIDGE ACROSS
BHARATHAPPUZHA AT KANKAKKADAVU IN KUTTIPPURAM PANCHAYATH
MALAPPURAM DISTRICT**

Detailed Estimate

(Dsr year: **2018**, Cost Index Applied for this estimate is **36.44%**)

Sl No	Description	No	L	B	D	CF	Quantity	Remark	
1 Appendix A- Construction of Regulator									
1	2.3.1.B Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness In area of thorny jungle -By Manual Means								
	Right bank	1	50.000	20.000		0.0	0.100		
	Left bank	1	60.000	25.000		0.0	0.150		
	existing road width(left bank)	1	50.000	5.000		0.0	0.025		
	right bank	1	60.000	5.000		0.0	0.031		
	Total Quantity							0.306 Hecter	
	Total Deducted Quantity							0.000 Hecter	
	Net Total Quantity							0.306 Hecter	
	Say 0.306 Hecter @ Rs 210845.87 / Hecter							Rs 64518.84	
2	od43589/2022_2023 RING BUND Type-I-Putting up ring bund as per approved shape 4.5m bottom width, 2.5m top width using empty gunny/polythene bags filled with earth placed in 2 rows at 1m apart and filled in between with earth and driving sheet pile in between with Hot rolled/Cold rolled Z Sheet piles 400x185x7.5/8.5 or equivalent conforming to IS 2314-1986 driven in one raw throughout the length of the bund with minimum driving length 3.5m on sandy bed for ensuring sufficient anchorage to form bund for an average height 5.00m including labour dismantling the bund after completion of the work etc. complete								
	main bund	1	318.000				318.000		
	Total Quantity							318.000 metre	
	Total Deducted Quantity							0.000 metre	
	Net Total Quantity							318.000 metre	
	Say 318.000 metre @ Rs 33865.91 / metre							Rs 10769359.38	
3	od43590/2022_2023								

	RING BUND Type-I-Putting up ring bund as per approved shape 3.5m bottom width, 2.5m top width using empty gunny/polythene bags filled with earth placed in 2 rows at 1m apart and filled in between with earth and driving sheet pile in between with Hot rolled/Cold rolled Z Sheet piles 400x185x7.5/8.5 or equivalent confirming to IS 2314-1986 driven in one row throughout the length of the bund with minimum driving length 3.5m on sandy bed for ensuring sufficient anchorage to form bund for an average height 3.00m including labour dismantling the bund after completion of the work etc. complete						
	main bund	1	826.000				826.000
	Total Quantity						826.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						826.000 metre
	Say 826.000 metre @ Rs 23278.89 / metre						Rs 19228363.14
4	od224244/2019_2020 Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete						
	8*250*8	1	16000.000				16000.000
	Total Quantity						16000.000 hour
	Total Deducted Quantity						0.000 hour
	Net Total Quantity						16000.000 hour
	Say 16000.000 hour @ Rs 364.00 / hour						Rs 5824000.00
5	od224252/2019_2020 Bailing out water using pump above 10 HP and up to 20 HP -Bailing out water with engine and pump set above 10 hp and up to 20hp ,including conveyance to site and erection, cost of fuel ,lubrication oil and other stores,pay of staff etc complete. 						
	2*150*8	1	2400.000				2400.000
	Total Quantity						2400.000 hour
	Total Deducted Quantity						0.000 hour
	Net Total Quantity						2400.000 hour
	Say 2400.000 hour @ Rs 532.00 / hour						Rs 1276800.00
6	od224255/2019_2020 Bailing out water using pump above 30 HP and up to 40 HP -Bailing out water with engine and pump set above 30 hp and up to 40hp ,including conveyance to site and erection, cost of fuel ,lubrication oil and other stores,pay of staff etc complete.						
	1*50*8	1	400.000				400.000
	Total Quantity						400.000 hour
	Total Deducted Quantity						0.000 hour
	Net Total Quantity						400.000 hour
	Say 400.000 hour @ Rs 1044.15 / hour						Rs 417660.00

7	od224232/2019_2020 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge.All kinds of soil 							
	Between Abutments							
	Pile cap for pier	29	11.700	3.900	1.900		2514.213	
	Solid apron	1	418.000	2.000	1.000		836.000	
	Do	1	418.000	3.800	1.500		2382.600	
	Do	1	418.000	5.000	1.300		2717.000	
	Do	1	418.000	5.000	1.100		2299.000	
	For Toe wall U/s	2	418.000	0.800	2.400		1605.121	
	For Toe wall D/s	2	418.000	0.800	2.300		1538.240	
	For Loose stone on U/s	1	418.000	4.500	1.600		3009.601	
	For Loose stone & cc block on U/s	1	418.000	1.500	1.600		1003.200	
	For Loose stone on D/s	1	418.000	6.800	1.600		4547.840	
	For CC Block & Inverted Filter on D/s	1	418.000	3.225	1.500		2022.075	
	For Abutment with working space							
	Bank cutting LB (with 1m working space) upto +3.50	1	16.500	9.000	5.400		801.901	Existing GL around +8.90
	Berm cutting	1	2.000	1.500	1.000		3.000	
	Bank cutting RB (with 1m working space) upto +3.50	1	16.100	8.000	3.200		412.161	Existing GL around +6.70
	Berm cutting for 1/4 slope for sides	1	2.000	1.500	1.000		3.000	
	Pile cap foundation (with 1m working space)	2	16.100	9.000	1.800		521.640	
	Total Quantity						26216.592 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						26216.592 cum	
	Say 26216.592 cum @ Rs 219.98 / cum						Rs 5767125.91	

8	12.3 Sand Filling in Foundation Trenches as per Drawing & Technical Specification							
	filling of earth below pile cap							
		1	60.000	24.600	2.800		4132.800	
	Total Quantity						4132.800 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						4132.800 cum	
	Say 4132.800 cum @ Rs 2481.95 / cum						Rs 10257402.96	
9	od110062/2021_2022 Providing Steel Liner 6 mm thick for lining of piles including Fabricating and Setting out as per Detailed Drawing 							
	Lt and Rt abut	2*12	3.14*1.2	0.006	3.000	7.85	12.779	
	pier	29*8	3.14*1.2	0.006	3.000	7.85	123.522	
	Total Quantity						136.301 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						136.301 MT	
	Say 136.301 MT @ Rs 121948.13 / MT						Rs 16621652.07	
10	12.25.3 Bored cast-in-situ M35 grade R.C.C. Pile Using Batching Plant, Transit Mixer and Concrete Pump excluding Reinforcement complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. Pile diameter-1200 mm							
	Left abutment	12	19.240				230.880	
	Right abutment	12	22.780				273.360	
	Pier	29*8	20.000				4640.000	
	Total Quantity						5144.240 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						5144.240 metre	
	Say 5144.240 metre @ Rs 15217.96 / metre						Rs 78284838.55	
11	12.39 Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap							
	below pier pile cap	29	11.700	3.900	0.100		132.327	
	below abutment pile cap	2	14.100	8.000	0.100		22.561	
	Deduction of piles	256	3.14*.6*.6		0.100		-28.938	
	Total Quantity						154.888 cum	

	Total Deducted Quantity						-28.938 cum	
	Net Total Quantity						125.950 cum	
	Say 125.950 cum @ Rs 7837.13 / cum						Rs 987086.52	
12	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15							
	Solid apron							
	Solid apron	1	418.000	2.000	1.000		836.000	
	Do	1	418.000	3.800	1.500		2382.600	
	Do	1	418.000	5.000	1.300		2717.000	
	Do	1	418.000	5.000	1.100		2299.000	
	Weir	30	12.000	$(1.8+1.5)/2$	0.300		178.200	
	Toe wall Bottom U/s and D/s	4	418.000	0.800	0.300		401.281	
	Toe wall stem U/s and D/s	4	418.000	0.500	2.000		1672.000	
	CC Block U/s & D/s	3*278	1.500	1.500	0.900		1688.850	
	Pile cap	29	11.300	3.900	1.225		-1565.586	avg depth
	Total Quantity						12174.931 cum	
	Total Deducted Quantity						-1565.586 cum	
	Net Total Quantity						10609.345 cum	
	Say 10609.345 cum @ Rs 8161.68 / cum						Rs 86590078.90	
13	15.1.A Providing and laying boulders apron on river bed for protection against scour with stone boulders weighing not less than 40 kg each complete as per drawing and Technical specification. Boulder Laid Dry Without Wire Crates.							
	do	1	418.000	1.500	0.600		376.200	
	Total Quantity						376.200 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						376.200 cum	
	Say 376.200 cum @ Rs 3814.50 / cum						Rs 1435014.90	
14	od351854/2021_2022 Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire							

	mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of $\pm 2\%$) Zinc+PVC coated, Mesh wire diameter 2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.							
	U/s	1	418.000	4.500	1.500		2821.500	
	D/s	1	418.000	6.800	1.500		4263.600	
	Total Quantity						7085.100 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						7085.100 cum	
	Say 7085.100 cum @ Rs 4825.08 / cum						Rs 34186174.31	
15	12.38.D.2 Cement Concrete for Reinforced Concrete in Pile Cap complete as per Drawing and Technical Specification R C C Grade M35 - Using Batching plant, Transit Mixer and Concrete pump							
	Pile cap							
	Lt and Rt abutment	2	14.100	8.000	1.800		406.080	
	Pier	29	11.700	3.900	1.800		2381.886	
	Total Quantity						2787.966 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2787.966 cum	
	Say 2787.966 cum @ Rs 8389.75 / cum						Rs 23390337.75	
16	13.5.F.P.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m							
	Abutment stem Lt and Rt	2	14.100	1.200	5.000		169.200	
	End counterfort	2*2	5.800	0.600	5.000		69.600	
	Middle Counterfort	2*4	$(5.8+2.24)/2$	0.600	5.000		96.480	
	terstle column	29	3.140	0.75*0.75	5.000		256.107	
	terstle pier (rectangular portion)	29	2.000	2.000	5.000		580.000	
	Do Semi circle portion	29*2	3.14/2	1.0*1.0	5.000		455.300	
	Bracing beam	29	5.400	0.400	0.400		25.057	
	Grooves	29*1	0.600	0.450	5.000		-39.150	

		Total Quantity					1651.744 cum	
		Total Deducted Quantity					-39.150 cum	
		Net Total Quantity					1612.594 cum	
		Say 1612.594 cum @ Rs 8580.54 / cum					Rs 13836927.32	
17	13.5.F.q.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height 5m to 10m							
	Lt and Rt abutments Stem	2	14.100	1.200	3.150		106.596	
	End counterfort	2*2	5.800	0.600	3.150		43.848	
	middle counterfort	2*4	(2.24+0)/2	0.600	3.150		16.935	
	Dirt wall Rt and Lt abutments	2	8.950	1.200	0.300		6.444	
	Do	2	8.950	0.400	1.340		9.595	
	Terstle column	29	3.140	0.75*0.75	2.250		115.248	
	Pier square part	29	2.000	2.000	1.950		226.200	
	Semi Circle portion	2*29	3.14/2	1.0*1.0	1.950		177.567	
	Pier conical portion	29	3.14/2	1.0*1.0	1.000		45.530	
	Pier cap	29	9.500	2.000	1.000		551.000	
	Grooves on pier	29*2	0.600	0.450	2.450		-38.367	
	Grooves on abutment	2*1	0.600	0.450	3.150		-1.701	
		Total Quantity					1298.963 cum	
		Total Deducted Quantity					-40.068 cum	
		Net Total Quantity					1258.895 cum	
		Say 1258.895 cum @ Rs 8861.35 / cum					Rs 11155509.21	
18	13.5.C.r.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height above 10m							
	pier extension	29	2.000	0.750	1.400		60.900	
	Do	29	1.250	1.000	1.400		50.750	
	Hunch portion	29*2	1.000	0.250	(.5+.25)/2		5.438	
	Abutment Extended portion Lt and Rt	2	2.000	1.200	2.950		14.160	
	pier extension	29	2.000	0.750	2.550		110.925	
	Do	29	1.250	1.000	2.550		92.438	

21	13.10 Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.							
	Lt and Rt abutment	2	2.85*3	0.600	8.150		83.619	
	Laid under cc block at D/s	1	418.000	3.225	0.600		808.830	
	Total Quantity						892.449 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						892.449 cum	
	Say 892.449 cum @ Rs 3579.66 / cum						Rs 3194663.99	
22	od224270/2019_2020 Providing hot rolled Z steel sheet pile of size 400x185x7.5/8.5 driving down vertically in lines and levels interlocking with adjacent piles with suitable pile driving unit and all accessories including all labour hire charges etc. complete and as per the directions of departmental officers at site.							
	us	1	5+418+5		3.000		1284.000	
	ds	1	5+418+5		4.500		1926.000	
	Total Quantity						3210.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						3210.000 sqm	
	Say 3210.000 sqm @ Rs 15876.94 / sqm						Rs 50964977.40	
23	od224260/2019_2020 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
	abutment Lt and Rt	2*12	1.200				28.800	
	Total Quantity						28.800 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						28.800 metre	
	Say 28.800 metre @ Rs 128.17 / metre						Rs 3691.30	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 Appendix B- Side Protection Works of river								
1	od224232/2019_2020 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge.All kinds of soil							

	U/s Right bank and left bank	2	132.000	5.500	6.000		8712.000		
	d/s left bank and right bank	2	100.000	5.500	6.000		6600.000		
	Total Quantity						15312.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						15312.000 cum		
	Say 15312.000 cum @ Rs 219.98 / cum						Rs 3368333.76		
2	od224231/2019_2020 RING BUND Type II Putting up ring bund with earth fille gunny bags of top width 1.0m bottom width 2.0m height 2.0 m side and filling in between with earth to form ring bund and maintaining the same leak proof till the completion of the work and clearing the site by dismantling the bund after completion of the work.etc.complete.								
	us protection	2	132.000				264.000		
	DS protection	2	100.000				200.000		
	cross bund	10	5.500				55.000		
	Total Quantity						519.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						519.000 metre		
	Say 519.000 metre @ Rs 1093.89 / metre						Rs 567728.91		
3	12.4 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.								
	U/s Right bank and left bank	2	132.000	5.500	0.100		145.201		
	d/s left bank and right bank	2	100.000	5.500	0.100		110.000		
	Total Quantity						255.201 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						255.201 cum		
	Say 255.201 cum @ Rs 7079.33 / cum						Rs 1806652.10		
4	od224244/2019_2020 Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete								
		1*10	20.000	8.000			1600.000		
		1*10	10.000	8.000			800.000		

		1*5	10.000	8.000			400.000	
	Total Quantity						2800.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						2800.000 hour	
	Say 2800.000 hour @ Rs 364.00 / hour						Rs 1019200.00	
5	od224233/2019_2020 Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
		1*15	10.000	8.000			1200.000	
		1*6	20.000	8.000			960.000	
	Total Quantity						2160.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						2160.000 hour	
	Say 2160.000 hour @ Rs 494.64 / hour						Rs 1068422.40	
6	12.8.G.2.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. RCC Grade M30 - Using Batching Plant, Transit Mixer and Concrete Pump							
	U/s Right bank and left bank	2	132.000	5.500	0.800		1161.601	
	d/s left bank and right bank	2	100.000	5.500	0.800		880.000	
	Total Quantity						2041.601 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2041.601 cum	
	Say 2041.601 cum @ Rs 8106.33 / cum						Rs 16549891.43	
7	13.5.G.p.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M30 - Height upto 5m - using Batching Plant, Transit Mixer and Concrete Pump							
	U/s Right bank and left bank	2	132.000	(.7+.411)/ 2	5.000		733.260	
	d/s left bank and right bank	2	100.000	(.7+.411)/ 2	5.000		555.500	
	Total Quantity						1288.760 cum	
	Total Deducted Quantity						0.000 cum	

	Net Total Quantity						1288.760 cum	
	Say 1288.760 cum @ Rs 8615.42 / cum						Rs 11103208.68	
8	13.5.G.q.1 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M30 - Using concrete Mixer - Height 5m to 10m							
	U/s Right bank and left bank	2	132.000	$(.4+.411)/2$	0.200		21.411	
	d/s left bank and right bank	2	100.000	$(.4+.411)/2$	0.200		16.220	
	Total Quantity						37.631 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						37.631 cum	
	Say 37.631 cum @ Rs 10267.11 / cum						Rs 386361.62	
9	12.40 Supply, Fitting and Placing un-coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	As per item 6	1	2041.601		0.15		306.241	
	Total Quantity						306.241 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						306.241 MT	
	Say 306.241 MT @ Rs 96793.72 / MT						Rs 29642205.61	
10	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
	As per item 7	1	1288.760		0.15		193.314	
	As per item 8	1	37.631		0.15		5.645	
	Total Quantity						198.959 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						198.959 MT	
	Say 198.959 MT @ Rs 97229.52 / MT						Rs 19344688.07	
11	od224260/2019_2020 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
	U/s Rht Bank (stem)	2*100	$(0.8+0.3)/2$				110.001	

	U/s Rht Bank (stem)	2*100	(0.8+0.3)/ 2				110.001	
	Lft bank (stem)	2*200	(0.8+0.3)/ 2				220.001	
	D/s (stem)	2*2*100	(0.8+0.3)/ 2				220.001	
Extn of abtmnt and wing wall								
	U/s	2*2*26	(.4+1.10)/ 2				78.000	
	D/s	2*2*32	(.4+1.10)/ 2				96.000	
Total Quantity							834.004 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							834.004 metre	
Say 834.004 metre @ Rs 128.17 / metre							Rs 106894.29	
12	13.10 Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.							
	U/s Right bank and left bank	2	150.000	0.600	5.200		936.000	
	d/s left bank and right bank	2	70.000	0.600	5.200		436.800	
Total Quantity							1372.800 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							1372.800 cum	
Say 1372.800 cum @ Rs 3579.66 / cum							Rs 4914157.25	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 Appendix C -Deck Slab								
1	od275937/2020_2021 Providing and laying of a strip seal expansion joint catering to maximum horizontal movement up to 70 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorized representative ensuring compliance to the manufacturer's instructions for installation (14.22)							
	for bridge	31	11.090				343.790	
Total Quantity							343.790 metre	

							Total Deducted Quantity	0.000 metre
							Net Total Quantity	343.790 metre
							Say 343.790 metre @ Rs 10011.54 / metre	Rs 3441867.34
2	od13049/2022_2023 Furnishing and Placing RCC Grade M40 in super-structures Using Batching Plant, Transit Mixer, and Concrete Pump as per drawing and Technical Specification. Height 5m to 10m as per MORTH 13.5.H.q.2 							
	Deck slab	30	15.100	11.090	0.225		1130.349	
	End Diaphragm	30*6	2.350	0.300	0.650		82.485	
	pedestal	30*8	0.600	0.600	0.300		25.920	
							Total Quantity	1238.754 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	1238.754 cum
							Say 1238.754 cum @ Rs 7107.17 / cum	Rs 8804035.27
3	od43614/2022_2023 Providing, precasting, transportation and placing in position precast concrete girders as per drawing and technical specifications							
	Girder Bottom Trapezoidal Portion	30*4	13.600	(.3+.5)/2	0.150		97.920	
	Girder top trapezoidal portion	30*4	13.600	(.3+.5)/2	0.100		65.280	
	Girder centre Portion	30*4	13.600	0.300	0.720		352.512	
	Girder bottom rectangular	30*4	13.600	0.500	0.200		163.201	
							Total Quantity	678.913 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	678.913 cum
							Say 678.913 cum @ Rs 22669.60 / cum	Rs 15390686.14
4	13.5.F.P.1 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - Using concrete Mixer - Height upto 5m							
	For Foot path	2*30*25	1.340	0.600	0.100		120.601	
	Kerb Handrail side	2*30	12.200	0.375	0.320		87.840	
	Kerb road side	2*30	12.200	0.225	0.225		37.058	
	Deduction for kerb common portion	4*30	12.200	0.075	0.100		-10.980	

	manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.On concrete work							
	deck slab	30	14.000		11.090		4657.800	
	End diaphragm	30*6	2.350		0.650		274.950	
	girder front face	30*4*2	0.500		1.395		167.400	
	girder side	30*4*2	14.000		1.395		4687.201	
	pedestal	30*8	0.600		0.300		43.200	
	hand rail	30*2	14.000		1.100		924.001	
	kerb	30*4	14.000		0.225		378.000	
	Total Quantity						11132.552 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						11132.552 sqm	
	Say 11132.552 sqm @ Rs 256.36 / sqm						Rs 2853941.03	
9	od275965/2020_2021 Providing and laying cement concrete wearing coat M-20 grade including reinforcement complete as per drawing and Technical Specifications							
	wearing coat for bridge	30	14.000	7.500	0.075		236.250	
	Total Quantity						236.250 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						236.250 cum	
	Say 236.250 cum @ Rs 16162.28 / cum						Rs 3818338.65	
10	55.25 Lifting, conveying and fixing the newly casted RCC covering slabs of any thickness on top of drain in position including all labour charges and miscellaneous expenses etc complete							
	Foot Path	2*30*25	1.340	0.600	0.100		120.601	
	Total Quantity						120.601 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						120.601 cum	
	Say 120.601 cum @ Rs 2901.06 / cum						Rs 349870.74	
11	14.9 Drainage Spouts complete as per drawing and Technical specification							
	Provision of drainage spouts	30*6					180.000	
	Total Quantity						180.000 no	

							Total Deducted Quantity	0.000 no		
							Net Total Quantity	180.000 no		
							Say 180.000 no @ Rs 4682.15 / no	Rs 842787.00		
12	13.14	Supplying, fitting and fixing in position true to line and level elastomeric bearing conforming to IRC: 83 (Part-II) section IX and clause 2005 of MoRTH specifications complete including all accessories as per drawing and Technical Specifications.								
	elastometric bearing	30*8	30.000	25.000	5.400		972000.00			
							1			
							Total Quantity	972000.001 Cum cm		
							Total Deducted Quantity	0.000 Cum cm		
							Net Total Quantity	972000.001 Cum cm		
							Say 972000.001 Cum cm @ Rs 0.92 / Cum cm	Rs 894240.00		
SI No	Description	No	L	B	D	CF	Quantity	Remark		
4 Appendix D- Approach Road -MORTH										
1	2.1.2	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit. Girth from 600 mm to 900 mm								
	kumbidi side	7					7.000			
							Total Quantity	7.000 each		
							Total Deducted Quantity	0.000 each		
							Net Total Quantity	7.000 each		
							Say 7.000 each @ Rs 1002.33 / each	Rs 7016.31		
2	2.1.1	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit. Girth from 300 mm to 600 mm								
		3					3.000			
							Total Quantity	3.000 each		
							Total Deducted Quantity	0.000 each		
							Net Total Quantity	3.000 each		
							Say 3.000 each @ Rs 617.27 / each	Rs 1851.81		
3	3.19.2	Loosening, leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Table 300-2 for embankment construction.								

	kumbidi side	1	1275.000	4.000	0.150		765.000		
	kuttipuram side	1	668.000	5.000	0.150		501.000		
	Total Quantity						1266.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1266.000 cum		
	Say 1266.000 cum @ Rs 34.09 / cum							Rs 43157.94	
4	od110065/2021_2022 Supplying and planting of approved trees species of a height 2.0m to 2.5m, at the specified location as shown in the drawing.Rate shall include Cost of plants, soil work inclusive of red soil, sand and manure mix staking and planting of trees sapling, replacement of dead trees and for providing a pit size 75 x 75 x 75 cm and maintainance till the completion of project work.(1).Plumeria Alba								
	wherever land is available								
		50					50.000		
	Total Quantity						50.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						50.000 each		
	Say 50.000 each @ Rs 2970.55 / each							Rs 148527.50	
5	3.15 Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead upto 1000 metres by Mechanical Means								
	kumbidi side	1	1275.000	4.000			5100.000		
	kuttipuram side	1	668.000	5.000			3340.000		
	Total Quantity						8440.000 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						8440.000 sqm		
	Say 8440.000 sqm @ Rs 5.62 / sqm							Rs 47432.80	
6	2.4.4.A Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Dismantling Stone Masonry - Rubble stone masonry in lime mortar								
	RR Masonry	2	60.000	0.600	2.500		180.000		
	step	13	4.000	0.300	0.200		3.120		
	culvert abutment	2	2.000	0.300	2.000		2.400		

	drain side wall- Kuttippuram side	4	500.000	0.400	0.600		480.000		
	drain side wall- Kumbidi side	4	800.000	0.400	0.600		768.000		
	Total Quantity						1433.520 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1433.520 cum		
	Say 1433.520 cum @ Rs 557.14 / cum							Rs 798671.33	
7	2.4.2.A Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Cement Concrete Grade M-15 & M-20 - By Mechanical Means								
	culvert parapet	2	2.000	0.300	0.600		0.720		
	top slab-culvert	1	5.000	3.000	0.300		4.500		
	Total Quantity						5.220 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						5.220 cum		
	Say 5.220 cum @ Rs 689.01 / cum							Rs 3596.63	
8	od106729/2021_2022 Providing disposable concrete cone of M25 concrete to suit the 200mm dia pipe as per approved design including fixing , all incidental charges etc complete as per the direction of Engineer in charge.								
	kumbidi side	1060					1060.000		
	kuttipuram side	800					800.000		
	Total Quantity						1860.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						1860.000 no		
	Say 1860.000 no @ Rs 322.72 / no							Rs 600259.20	
9	od106730/2021_2022 Making holes of 20 cm dia by using mechanical equipment and using hammer of 1 tonne through different strata by driving a pipe of 200 mm dia closed at lower end by a disposable concrete cone at the bottom end to 9.00 m depth and filling 6 mm course aggregate and manufactured sand mixed in the ratio 2:1 with all lead and lift, conveyance, cost of materials, and other accessories including hire charge of all machinaries etc complete as per approved design , specification , drawing and compaction as per the direction of Engineer in charge, excluding the cost of concrete cone .								
	kumbidi side	1060	5.000				5300.000		

	kuttipuram side	800	5.000				4000.000		
	Total Quantity						9300.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						9300.000 metre		
	Say 9300.000 metre @ Rs 403.25 / metre						Rs 3750225.00		
10	od110064/2021_2022 Supplying and spreading Manufacture sand and compacted to a density of 15 KN/m3 in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m. and as per the direction of the departmental officers at site.								
	kumbidi side	1	1060.000	5.000	3.140*0.2* 0.2/4		166.421		
	kuttipuram side	1	800.000	5.000	3.140*0.2* 0.2/4		125.601		
	Total Quantity						292.022 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						292.022 cum		
	Say 292.022 cum @ Rs 2307.68 / cum						Rs 673893.33		
11	3.16 Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2.								
	Kumbidi side - approach road	1	75.000	15.000	3.200		3600.000		
	Kuttippuram side - approach road	1	62.000	12.000	2.500		1860.000		
	Total Quantity						5460.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						5460.000 cum		
	Say 5460.000 cum @ Rs 409.24 / cum						Rs 2234450.40		
12	4.2.A.1 Construction of granular sub-base by providing graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401. Grading-III -For lower sub base - Mix in Place Method								
	Kumbidi side	1	75.000	9.000	0.200		135.000		
	Kuttippuram side	1	62.000	9.000	0.200		111.601		

	Kumbidi side - connecting road	1	1275.000	9.000	0.200		2295.000	
	Kuttippuram side - connecting road	1	668.000	0.900	0.200		120.241	
	service road	2	62.000	4.000	0.200		99.200	
	Total Quantity						2761.042 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2761.042 cum	
	Say 2761.042 cum @ Rs 3168.55 / cum						Rs 8748499.63	
13	12.1.B.1 Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Ordinary Soil - Depth upto 3m - Mechanical Means							
	Kuttippuram side - approach road	2	62.000	6.000	2.600		1934.400	
	Total Quantity						1934.400 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1934.400 cum	
	Say 1934.400 cum @ Rs 71.75 / cum						Rs 138793.20	
14	3.18 Construction of sub-grade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2							
	Kumbidi side	1	75.000	9.000	0.500		337.500	
	Kuttippuram side	1	62.000	9.000	0.500		279.000	
	Total Quantity						616.500 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						616.500 cum	
	Say 616.500 cum @ Rs 443.73 / cum						Rs 273559.55	
15	4.12 Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.							
	Kumbidi side	1	75.000	9.000	0.250		168.750	
	kuttippuram side	1	62.000	9.000	0.250		139.500	

	Kumbidi side-connecting road	1	1275.000	9.000	0.250		2868.750		
	Kuttippuram side-connecting road	1	668.000	9.000	0.250		1503.000		
	service road	2	62.000	4.000	0.250		124.000		
	Total Quantity						4804.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						4804.000 cum		
	Say 4804.000 cum @ Rs 3260.62 / cum						Rs 15664018.48		
16	5.1.a Providing and applying primer coat with bitumen emulsion (SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means.								
	Kumbidi side	1	75.000	9.000			675.000		
	kuttippuram side	1	62.000	9.000			558.000		
	Kumbidi side-connecting road	1	1275.000	9.000			11475.000		
	Kuttippuram side-connecting road	1	68.000	9.000			612.000		
	service road	2	62.000	4.000			496.000		
	Total Quantity						13816.000 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						13816.000 sqm		
	Say 13816.000 sqm @ Rs 57.84 / sqm						Rs 799117.44		
17	5.2.a Providing and applying tack coat with bitumen emulsion(RS) using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.								
	Approach- Kumbidi side	2	75.000	9.000			1350.000		
	Kuttippuram side	2	62.000	9.000			1116.000		
	Kumbidi side-connecting road	2	1275.000	9.000			22950.000		
	Kuttippuram side-connecting road	2	668.000	9.000			12024.000		
	service road	4	62.000	4.000			992.000		
	Total Quantity						38432.000 sqm		

						Total Deducted Quantity	0.000 sqm
						Net Total Quantity	38432.000 sqm
						Say 38432.000 sqm @ Rs 11.09 / sqm	Rs 426210.88
18	<p>5.4.2a Dense Graded Bituminous Macadam :- For Grading II (26.5 mm nominal size) Providing and laying dense graded bituminous macadam with 80-100 TPH HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder (VG 30) @ 4.0 to 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.</p>						
	Approach- Kumbidi side	2	75.000	9.000	0.050		67.500
	Kuttippuram side	2	62.000	9.000	0.050		55.801
	Kumbidi side-connecting road	2	1275.000	9.000	0.050		1147.500
	Kuttippuram side-connecting road	2	668.000	9.000	0.050		601.200
	service road	4	62.000	4.000	0.050		49.600
						Total Quantity	1921.601 cum
						Total Deducted Quantity	0.000 cum
						Net Total Quantity	1921.601 cum
						Say 1921.601 cum @ Rs 9876.98 / cum	Rs 18979614.64
19	<p>5.6.2.a Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder (NRMB) @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects Grading - II (13.2 mm Nominal Size)</p>						
	Approach- Kumbidi side	2	75.000	9.000	0.030		40.500
	Kuttippuram side	2	62.000	9.000	0.030		33.480
	Kumbidi side-connecting road	2	1275.000	9.000	0.030		688.500
	Kuttippuram side-connecting road	2	668.000	9.000	0.030		360.720
	service road	4	62.000	4.000	0.030		29.760

							Total Quantity	1152.960 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	1152.960 cum
							Say 1152.960 cum @ Rs 11231.05 / cum	Rs 12948951.41
20	12.4	Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.						
	Kuttippuram- retaining wall	2	62.000	6.200	0.100		76.881	
							drain	
	Kuttippuram side approach road-	2	62.000	1.200	0.100		14.880	
	Kuttippuram side connecting road-	2	668.000	1.200	0.100		160.321	
	Kumbidi side approach road-	2	75.000	1.200	0.100		18.000	
	Kumbidi side connecting road-	2	1275.000	1.200	0.100		306.000	
	service road	2	62.000	1.200	0.100		14.880	
							Total Quantity	590.962 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	590.962 cum
							Say 590.962 cum @ Rs 6489.38 / cum	Rs 3834976.98
21	12.8.A	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications PCC Grade M15 (Without formwork)						
							culvert	
		1	11.000	4.440	0.150		7.327	
							Total Quantity	7.327 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	7.327 cum
							Say 7.327 cum @ Rs 7193.78 / cum	Rs 52708.83
22	12.8.G.2.1	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. RCC Grade M30 - Using Batching Plant, Transit Mixer and Concrete Pump						

		culvert							
	base	1	11.000	4.400	0.900		43.561		
	side wall	2	11.000	0.420	2.700		24.949		
	top	2	11.000	3.840	0.420		35.482		
	bottom haunch	2	11.000	$(.42+.57)/2$	0.150		1.634		
	top haunch	2	11.000	$(.42+.72)/2$	0.150		1.881		
	top side extension	2	11.000	0.300	0.300		1.980		
							Total Quantity	109.487 cum	
							Total Deducted Quantity	0.000 cum	
							Net Total Quantity	109.487 cum	
							Say 109.487 cum @ Rs 7430.80 / cum	Rs 813576.00	
23	13.5.A Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M15 - Height upto 5m								
	Kuttippuram side approach road-bottom slab	2	62.000	1.000	0.150		18.600		
	Kuttippuram side connecting road-bottom slab	2	668.000	1.000	0.150		200.400		
	Kumbidi side approach road-bottom slab	2	75.000	1.000	0.150		22.500		
	Kumbidi side connecting road-bottom slab	2	1275.000	1.000	0.150		382.500		
	service road drain	2	62.000	1.000	0.150		18.600		
							Total Quantity	642.600 cum	
							Total Deducted Quantity	0.000 cum	
							Net Total Quantity	642.600 cum	
							Say 642.600 cum @ Rs 7913.16 / cum	Rs 5084996.62	
24	12.8.F.2.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M30 - Using Batching Plant, Transit Mixer and Concrete Pump								

	Kuttippuram- retaining wall	2	62.000	6.000	0.800		595.200	
	Total Quantity						595.200 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						595.200 cum	
	Say 595.200 cum @ Rs 7391.26 / cum						Rs 4399277.95	
25	13.5.D.p.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M30 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m							
	Kuttippuram- retaining wall	2	62.000	(.4+.7)/2	3.800		259.161	
	Total Quantity						259.161 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						259.161 cum	
	Say 259.161 cum @ Rs 7855.46 / cum						Rs 2035828.87	
26	14.1B.1.1.A Furnishing and Placing Reinforced Cement Concrete Grade M25 Using Concrete Mixer as per drawing and Technical Specification. For solid slab super-structure - Height upto 5m							
	drain in Kuttippuram - cover slab	2	62.000	1.500	0.150		27.900	
	drain in Kumbidi - cover slab	2	75.000	1.500	0.150		33.750	
	service road	2	62.000	1.500	0.150		27.900	
	Total Quantity						89.550 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						89.550 cum	
	Say 89.550 cum @ Rs 9912.59 / cum						Rs 887672.43	
27	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	Kuttippuram- retaining wall	2	62.000	6.000	0.800	0.15	89.280	
	culvert							
	base	1	11.000	4.400	0.900	0.16	6.970	
	side wall	2	11.000	0.420	2.700	0.16	3.992	

	top	2	11.000	3.840	0.420	0.16	5.678		
	bottom haunch	2	11.000	$(.42+.57)/2$	0.150	0.16	0.262		
	top haunch	2	11.000	$(.42+.72)/2$	0.150	0.16	0.301		
	top side extension	2	11.000	0.300	0.300	0.16	0.317		
	Total Quantity						106.800 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						106.800 MT		
	Say 106.800 MT @ Rs 88727.57 / MT						Rs 9476104.48		
28	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications								
	Kuttippuram side approach road-bottom slab	2	62.000	1.000	0.150	0.12	2.232		
	Kuttippuram side connecting road-bottom slab	2	668.000	1.000	0.150	0.12	24.048		
	Kumbidi side approach road-bottom slab	2	75.000	1.000	0.150	0.12	2.700		
	Kumbidi side connecting road-bottom slab	2	1275.000	1.000	0.150	0.12	45.900		
	service road drain	2	62.000	1.000	0.150	0.12	2.232		
	Kuttippuram- retaining wall	2	62.000	6.000	0.800	0.15	89.280		
	drain in Kuttippuram - cover slab	2	62.000	1.500	0.150	0.12	3.348		
	drain in Kumbidi - cover slab	2	75.000	1.500	0.150	0.12	4.050		
	service road	2	62.000	1.500	0.150	0.12	3.348		
	culvert								
	base	1	11.000	4.400	0.900	0.16	6.970		
	side wall	2	11.000	0.420	2.700	0.16	3.992		
	top	2	11.000	3.840	0.420	0.16	5.678		

	bottom haunch	2	11.000	$(.42+.57)/2$	0.150	0.16	0.262		
	top haunch	2	11.000	$(.42+.72)/2$	0.150	0.16	0.301		
	top side extension	2	11.000	0.300	0.300	0.16	0.317		
	Total Quantity						194.658 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						194.658 MT		
	Say 194.658 MT @ Rs 89127.06 / MT						Rs 17349295.25		
29	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15								
	Kuttippuram side approach road - side wall	4	62.000	0.200	0.600		29.760		
	Kuttippuram side connecting road-side wall	4	668.000	0.200	0.600		320.640		
	Kumbidi side approach road - side wall	4	75.000	0.200	0.600		36.000		
	Kumbidi side connecting road - side wall	4	1275.000	0.200	0.600		612.000		
	service road-side wall	4	62.000	0.200	0.600		29.760		
	Total Quantity						1028.160 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1028.160 cum		
	Say 1028.160 cum @ Rs 7481.54 / cum						Rs 7692220.17		
30	55.23 Supplying and laying interlocking tile 80mm or nearest size thickness, minimum strength M30 including providing a layer of 6mm aggregate for 5cm thickness, then laying interlock cobbles in lines and levels as per the directions of the departmental officers at site inclusive of all cost & conveyance charges etc. complete.								
	Kumbidi -footpath	2	1350.000	1.500			4050.000		
	Kuttippuram -footpath	2	730.000	1.500			2190.000		
	service road	2	62.000	1.500			186.000		

	Total Quantity						6426.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						6426.000 sqm	
	Say 6426.000 sqm @ Rs 970.48 / sqm						Rs 6236304.48	
31	od106886/2021_2022 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
	kuttippuram	50	0.550				27.501	
		50	0.550				27.501	
	kumbidi	60	0.550				33.000	
		60	0.550				33.000	
	Total Quantity						121.002 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						121.002 metre	
	Say 121.002 metre @ Rs 117.49 / metre						Rs 14216.52	
32	13.10 Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.							
	Kuttippuram	2	62.000	0.600	3.800		282.720	
	Total Quantity						282.720 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						282.720 cum	
	Say 282.720 cum @ Rs 3281.36 / cum						Rs 927706.10	
33	55.16 Providing and fixing guard post Providing and fixing guard post of size 200mmx200mm, 1400mm long, 800mm above ground level and 600mm below GL. casted in M20 Grade concrete reinforced with 4 nos of 8mm dia longitudinal bars and 6mm dia stirrups @ 100mm c/c, firmly fixed in position by means of foundation of size 0.5mx0.5mx0.7m in M15 grade concrete below ground level including painting 2 coats on exposed surface with synthetic enamel paint in alternate white & black band 20cm wide							
		2	200.000				400.000	
	Total Quantity						400.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						400.000 no	

	Say 400.000 no @ Rs 2302.42 / no						Rs 920968.00	
34	<p>8.23.A Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 811.3</p>							
		4	60.000				240.000	
	Total Quantity						240.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						240.000 metre	
	Say 240.000 metre @ Rs 4194.76 / metre						Rs 1006742.40	
35	<p>8.13 Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads on Bituminous Surface @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.</p>							
	Kumbidi side-edge	2	1350.000	0.100			270.000	
	do center	1	578.000	0.150			86.700	
	kuttippuram side edge	2	730.000	0.100			146.000	
	do center	1	315.000	0.150			47.250	
	Total Quantity						549.950 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						549.950 sqm	
	Say 549.950 sqm @ Rs 506.98 / sqm						Rs 278813.65	
36	<p>8.35 Providing and fixing reflective road studs (Raised Pavement Marker) of ' category A' made out of ASA/HIPS/ABS moulded body with shanks and conforming to ASTM D 4280, strong enough to support a load of more than 13.635 T when tested in accordance with ASTM D 4280, reflective panel conforming to ASTM D 788, and reflectivity conforming to clause 804.4. including installation, drilling, fixing with adhesive etc. with 2 years warranty for the road stud as well as for in field performance as per clause 804.7.3 Road Markers/Road Stud with Lense Reflector :-</p>							
	kuttippuram	3	500.000				1500.000	
	kumbidi	3	900.000				2700.000	
	stopline	2	15.000				30.000	
	cross line	2	14.000				28.000	

	speed breaker	1	120.000				120.000	
	Total Quantity						4378.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4378.000 no	
	Say 4378.000 no @ Rs 200.83 / no						Rs 879233.74	
37	<p>8.4.2 Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign with 7years warranty manufactured as per IRC :67 made of Type IV micro prismatic grade sheeting vide clause 801.3.3 fixed over aluminium sheeting, 2 mm thick/ aluminium composit material sheeting 4 mm thick with suitable back supporting frame of MS angle 25x25x3 and supported on GI pipe pole 50mm NB confirming to IS 1239 firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete min size 45 cm x 45 cm x 60 cm, 60 cm below ground level including painting all exposed surface with 2 coats of epoxy painting over epoxy primer and as per approved drawing and clause 801 including lettering symbols etc. 60 cm equilateral triangle</p>							
	give way	3					3.000	
	pedestrian crossing	4					4.000	
	Total Quantity						7.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						7.000 each	
	Say 7.000 each @ Rs 3785.04 / each						Rs 26495.28	
38	<p>8.4.3 Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign with 7years warranty manufactured as per IRC :67 made of Type IV micro prismatic grade sheeting vide clause 801.3.3 fixed over aluminium sheeting, 2 mm thick/ aluminium composit material sheeting 4 mm thick with suitable back supporting frame of MS angle 25x25x3 and supported on GI pipe pole 50mm NB confirming to IS 1239 firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete min size 45 cm x 45 cm x 60 cm, 60 cm below ground level including painting all exposed surface with 2 coats of epoxy painting over epoxy primer and as per approved drawing and clause 801 including lettering symbols etc. 60 cm circular</p>							
	stop sign	2					2.000	
	stop limit	2					2.000	
	Total Quantity						4.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						4.000 each	
	Say 4.000 each @ Rs 4332.86 / each						Rs 17331.44	
39	55.10.1							

	<p>Providing and erecting retro-reflectorised Object Hazard Marker 300mm x 900mm Providing and erecting retro-reflectorised Object Hazard Marker sign with 07 years warranty, manufactured as per IRC 67 USING Type IV ASTM D 4956-09 micro prismatic retro reflective sheeting fixed over aluminium sheeting, 2 mm thick / aluminium composite material sheeting 4 mm thick with suitable back support frame and supported on a mild steel angle iron post 75mmx75mmx6mm, firmly fixed 30cm above ground level by means of properly designed foundation with M 15 grade cement concrete 30cmx30x45cm, 45cm below ground level including painting all non-reflective faces with epoxy paint 2 coats over epoxy primer as per approved drawing and clause 801. 300 mm x 900 mm</p>							
		4					4.000	
	Total Quantity						4.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						4.000 each	
	Say 4.000 each @ Rs 2860.09 / each						Rs 11440.36	
40	<p>8.5 Providing and fixing of direction and place identification retro-reflectorised sign with 7 years warranty manufactured as per IRC :67 made of Type IV micro prismatic grade sheeting fixed over aluminium sheeting, 2 mm thick/ aluminium composite material sheeting 4 mm thick with area not exceeding 0.9 sqm, with suitable back supporting frame of MS angle 40x40x6 and supported on GI pipe pole 50mm NB conforming to IS 1239 firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete min size 45 cm x 45 cm x 60 cm, 60 cm below ground level including painting all exposed surface with 2 coats of epoxy painting over epoxy primer and as per approved drawing and clause 801 including lettering symbols etc.</p>							
		2	1.200	0.900			2.160	
	Total Quantity						2.160 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.160 sqm	
	Say 2.160 sqm @ Rs 9009.39 / sqm						Rs 19460.28	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
5 Appendix E Electrical Works								
1	<p>90.11.1.10 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - three phase double cover (IP 42/43)</p>							
	90.11.1.10	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	

	Net Total Quantity						10.000 each	
	Say 10.000 each @ Rs 987.83 / each						Rs 9878.30	
6	90.12.41.33 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured copper power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp							
	90.12.41.33	1	4000.000				4000.000	
	Total Quantity						4000.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						4000.000 metre	
	Say 4000.000 metre @ Rs 643.30 / metre						Rs 2573200.00	
7	90.12.7.28 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3.5 core 35 sq mm with factory made clamp							
	90.12.7.28	1	3515.000				3515.000	
	Total Quantity						3515.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						3515.000 metre	
	Say 3515.000 metre @ Rs 378.75 / metre						Rs 1331306.25	
8	90.12.41.23 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured copper power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3.5 core 70 sq mm							
	90.12.41.23	5					5.000	
	Total Quantity						5.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						5.000 metre	
	Say 5.000 metre @ Rs 3088.93 / metre						Rs 15444.65	
9	9.1.21 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 35 sq. mm (32mm)							
	9.1.21	4					4.000	
		6					6.000	

	perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.300 mm width X 50 mm depth X 1.6 mm thickness						
	4.1.4	75					75.000
	Total Quantity						75.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						75.000 metre
	Say 75.000 metre @ Rs 743.60 / metre						Rs 55770.00
14	5.3 Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt) as required.						
	5.3	5					5.000
	Total Quantity						5.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						5.000 set
	Say 5.000 set @ Rs 6156.17 / set						Rs 30780.85
15	5.13 Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.						
	5.13	75					75.000
		25					25.000
	Total Quantity						100.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						100.000 metre
	Say 100.000 metre @ Rs 308.35 / metre						Rs 30835.00
16	5.17 Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.						
	5.17	200					200.000
	Total Quantity						200.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						200.000 metre
	Say 200.000 metre @ Rs 152.81 / metre						Rs 30562.00
17	5.15 Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.						

	5.15	300					300.000	
		800					800.000	
	Total Quantity						1100.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1100.000 metre	
	Say 1100.000 metre @ Rs 246.96 / metre						Rs 271656.00	
18	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group C							
	1.10.3	5					5.000	
	Total Quantity						5.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						5.000 point	
	Say 5.000 point @ Rs 1184.30 / point						Rs 5921.50	
19	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2x1.5 sq.mm + 1x1.5 sq.mm earth wire							
	1.14.1	1	10.000				10.000	
		1	75.000				75.000	
	Total Quantity						85.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						85.000 metre	
	Say 85.000 metre @ Rs 174.64 / metre						Rs 14844.40	
20	1.31 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or inrecess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 ampsmodular switch, connection etc. as required. (For light plugs to be used in non residentialbuildings).							
	1.31	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 480.27 / each						Rs 480.27	
21	1.12							

	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.						
	1.12	10					10.000
	Total Quantity						10.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						10.000 metre
	Say 10.000 metre @ Rs 240.13 / metre						Rs 2401.30
22	90.3.19.3 Supply conveyance, installation, testing and commissioning the light fittings of following types made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1200 mm 1X20W LED Lamp with box type fixture						
	90.3.19.3	5					5.000
	Total Quantity						5.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						5.000 each
	Say 5.000 each @ Rs 1223.80 / each						Rs 6119.00
23	od224272/2019_2020 Supply, installation, testing and commissioning of Solar LED lighting System with following accessories. (a) luminaire :- 1No 45W LED IP-65 street light luminaire with epoxy powder coated pressure die cast alu. housing with weather proof gasket and heat resistant toughened glass cover, 100ah lithium battery, 250W solar panel, battery box, charge controller with auto switch built in for dusk to dawn operation having protection against short circuit & lightning with mounting bracket suitable to fix on tubular pole						
	od160112/2019_2020	16					16.000
	Total Quantity						16.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						16.000 each
	Say 16.000 each @ Rs 54209.85 / each						Rs 867357.60
24	od238053/2021_2022 Supply, installation, testing, and commissioning of IP rated metering cubicle with the following switch gears as per KSEB/ KSEI guidelines and as instructed by the engineer in charge. The rate shall be inclusive of all accessories required to complete the job; COF -1 Set; RYB phase indicating LED lamps - 1 Set; Control Fuses; 160A, 4P SFU with necessary fuse links						
		1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no

	Supply, installation, testing and commissioning of Rechargeable Emergency Inverter LED Bulb 9 -Watt						
		3					3.000
	Total Quantity						3.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						3.000 each
	Say 3.000 each @ Rs 499.51 / each						Rs 1498.53
28	od238057/2021_2022 Preperation of shop drawings for the execution at site and getting them approved by engineer in charge/consultant before execution at site, preperation of As-built drawings of installation upon completion. Obtaining manuals, technical details,as- built/GA drawings and all specified test certificates from manufactures of all equipments from concerned and arranging technical class for maintenance staff of the complete installation for timely maintenance and working ,labeling of all DBs, SMDBs, panels, cable routing, marking etc in a professional manner and commissioning and handing over of the whole installation in a professional manner. Copies of drawings shall be taken as required for issuing to all concerned agencies working as a part of the project.						
		1					1.000
	Total Quantity						1.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						1.000 set
	Say 1.000 set @ Rs 20000.00 / set						Rs 20000.00
29	od224273/2019_2020 Supply and fixing 100A TPN SDF in sheet steel enclosure on wall using suitable steel fastners.						
	od160113/2019_2020	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 5551.36 / each						Rs 5551.36
30	od224274/2019_2020 100A HRC fuse fuse base with fuse link 						
	od160213/2019_2020	3					3.000
	Total Quantity						3.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						3.000 each
	Say 3.000 each @ Rs 548.41 / each						Rs 1645.23
31	od224275/2019_2020 100 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.						

	od160229/2019_2020	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 357.89 / each						Rs 357.89	
32	od224276/2019_2020 Supply & installation of dust and vermin proof, 3 Phase Syntex Meter Board GS-MB-6535(size 760x450x260x) and to fix KSEB meters, fuse units, CT etc as required including fixing it on wall, making good the damages colour washing etc. as required.							
	od160246/2019_2020	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 5238.28 / each						Rs 5238.28	
33	od224277/2019_2020 Supply, conveyance, installation, testing and commissioning of 40KVA/32KW D.G. set incorporating "CUMINS" Model X3.TAA-G2 Diesel Engine developing 56BHP at 1500rpm, Water cooled, 4cylinders, Coupled, ALternator rated at 32kw/40KVA, 415V, 50Hz, 0.8 P, mounted on a chanel iron base frame complete with fuel tank, Battery, Manuel control panel and other standard accessories with suitable CPCB approved factory assembled Acoustic enclosure. 							
	od161047/2019_2020	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 618843.75 / each						Rs 618843.75	
34	od224278/2019_2020 Supply and providing following sizes of 'B' Class MS pipe with specials and flanged coupling in each full length of pipe, as additional exhaust piping, fixing the same firmly to the builing / structure using necessary supports, such angle iron, MS clamp etc., painting the pipe and accessories with synthetic enamel paint over a coat of zinc chromate primer etc. as required. 100 mm dia or nearest size 'B' Class MS pipe							
	od161049/2019_2020	5					5.000	
	Total Quantity						5.000	per metre
	Total Deducted Quantity						0.000	per metre
	Net Total Quantity						5.000	per metre
	Say 5.000 per metre @ Rs 1261.38 / per metre						Rs 6306.90	
35	od224279/2019_2020							

	Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required						
	od161050/2019_2020	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 181.19 / each						Rs 362.38
36	od224280/2019_2020 Supply and providing 2.5mm thick, 11KV grade, synthetic elastometric fire retardant insulating sheet						
	od165395/2019_2020	6					6.000
	Total Quantity						6.000 sqm of door area
	Total Deducted Quantity						0.000 sqm of door area
	Net Total Quantity						6.000 sqm of door area
	Say 6.000 sqm of door area @ Rs 1669.07 / sqm of door area						Rs 10014.42
37	od224281/2019_2020 Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hose and clamps including fixing it to wall as required						
	od165396/2019_2020	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 2727.80 / each						Rs 5455.60
38	od224282/2019_2020 Supply of 11KV electrical gloves (Vidyut)						
	od165397/2019_2020	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 579.59 / each						Rs 1159.18
39	od224283/2019_2020 Supply of Bosch professional tool kit (GSB550)						

	od165398/2019_2020	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 5517.13 / each						Rs 5517.13	
40	<p>4.1.1 Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.100 mm width X 50 mm depth X 1.6 mm thickness</p>							
		1	120.000				120.000	
	Total Quantity						120.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						120.000 metre	
	Say 120.000 metre @ Rs 568.95 / metre						Rs 68274.00	
41	<p>4.1.3 Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.225 mm width X 50 mm depth X 1.6 mm thickness</p>							
		1	150.000				150.000	
	Total Quantity						150.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						150.000 metre	
	Say 150.000 metre @ Rs 713.58 / metre						Rs 107037.00	
42	<p>4.1.6 Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.450 mm width X50 mm depth X 2.0 mm thickness</p>							
		1	150.000				150.000	
	Total Quantity						150.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						150.000 metre	
	Say 150.000 metre @ Rs 836.38 / metre						Rs 125457.00	
43	<p>5.14 Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.</p>							

		1	250.000				250.000	
	Total Quantity						250.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						250.000 metre	
	Say 250.000 metre @ Rs 1206.13 / metre						Rs 301532.50	
44	5.4 Earthing with G.I. earth plate 600 mm X 600 mm X 6 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.							
		5					5.000	
	Total Quantity						5.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						5.000 set	
	Say 5.000 set @ Rs 7435.98 / set						Rs 37179.90	
45	1.8.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.Group C							
	15						15.000	
	Total Quantity						15.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						15.000 point	
	Say 15.000 point @ Rs 1155.65 / point						Rs 17334.75	
46	1.14.2 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire							
		1	75.000				75.000	
	Total Quantity						75.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						75.000 metre	
	Say 75.000 metre @ Rs 199.20 / metre						Rs 14940.00	
47	1.14.3 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2 X 4 sq. mm + 1 X 4 sq. mm earth wire							

		1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 240.13 / metre						Rs 7203.90	
48	1.21.2 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.25 mm							
		1	50.000				50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 107.79 / metre						Rs 5389.50	
49	1.21.3 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.32 mm							
		1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 110.52 / metre						Rs 3315.60	
50	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch							
		5					5.000	
	Total Quantity						5.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						5.000 each	
	Say 5.000 each @ Rs 102.33 / each						Rs 511.65	
51	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch							
		2					2.000	
	Total Quantity						2.000 each	

										Total Deducted Quantity	0.000 each
										Net Total Quantity	2.000 each
										Say 2.000 each @ Rs 156.91 / each	Rs 313.82
52	1.24.4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet									
			5								5.000
										Total Quantity	5.000 each
										Total Deducted Quantity	0.000 each
										Net Total Quantity	5.000 each
										Say 5.000 each @ Rs 132.35 / each	Rs 661.75
53	1.24.5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet									
			2								2.000
										Total Quantity	2.000 each
										Total Deducted Quantity	0.000 each
										Net Total Quantity	2.000 each
										Say 2.000 each @ Rs 208.75 / each	Rs 417.50
54	1.24.6	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.Telephone socket outlet									
			1								1.000
										Total Quantity	1.000 each
										Total Deducted Quantity	0.000 each
										Net Total Quantity	1.000 each
										Say 1.000 each @ Rs 141.90 / each	Rs 141.90
55	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.									
			2								2.000
										Total Quantity	2.000 each
										Total Deducted Quantity	0.000 each
										Net Total Quantity	2.000 each
										Say 2.000 each @ Rs 409.32 / each	Rs 818.64

56	1.26 Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.		10					10.000	
		Total Quantity					10.000 each		
		Total Deducted Quantity					0.000 each		
		Net Total Quantity					10.000 each		
		Say 10.000 each @ Rs 38.20 / each					Rs 382.00		
57	1.27.2 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)		5					5.000	
		Total Quantity					5.000 each		
		Total Deducted Quantity					0.000 each		
		Net Total Quantity					5.000 each		
		Say 5.000 each @ Rs 319.27 / each					Rs 1596.35		
58	1.27.3 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.4 Module (125mmX75mm)		3					3.000	
		Total Quantity					3.000 each		
		Total Deducted Quantity					0.000 each		
		Net Total Quantity					3.000 each		
		Say 3.000 each @ Rs 342.46 / each					Rs 1027.38		
59	1.27.4 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)		3					3.000	
		Total Quantity					3.000 each		
		Total Deducted Quantity					0.000 each		
		Net Total Quantity					3.000 each		
		Say 3.000 each @ Rs 398.40 / each					Rs 1195.20		
60	1.28.2 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.3 Module		5					5.000	

	Say 15.000 each @ Rs 200.57 / each						Rs 3008.55	
65	1.44 Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc.as required.							
		2					2.000	
	Total Quantity						2.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						2.000 no	
	Say 2.000 no @ Rs 204.66 / no						Rs 409.32	
66	1.50.1 Installation of exhaust fan in the existing opening, including making good the damage connection testing, commissioning etc. as required.Upto 450 mm sweep							
		2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 433.88 / each						Rs 867.76	
67	1.55.1 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A							
		10					10.000	
	Total Quantity						10.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						10.000 point	
	Say 10.000 point @ Rs 553.95 / point						Rs 5539.50	
68	2.11 Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.							
		10					10.000	
	Total Quantity						10.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						10.000 each	
	Say 10.000 each @ Rs 9.55 / each						Rs 95.50	
69	2.25 Supplying and fixing Cable End Box (Loose Wire Box) (IP 43) suitable for tripple pole and neutral, sheet							

	steel, Vertical MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required.							
		2					2.000	
		Total Quantity					2.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					2.000 each	
		Say 2.000 each @ Rs 914.15 / each					Rs 1828.30	
70	od107699/2021_2022 Supply of 450mm sweep wall fan on surface including mounting and providing all accessories required for complete installation, testing, commissioning etc as required complete (Havells Airboll Hi-Speed or equivalent)							
		2					2.000	
		Total Quantity					2.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					2.000 each	
		Say 2.000 each @ Rs 1551.76 / each					Rs 3103.52	
71	od107700/2021_2022 Supply, fixing, testing and commissioning of following rating and pole Isolator in existing Seven Segment Distribution Board, tier DBs and Vertical distribution board with spreader links, terminal connections and all accessories as required making all necessary connections etc as required and instructed by engineer in charge/consultant. 32A FP Isolator							
		2					2.000	
		Total Quantity					2.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					2.000 each	
		Say 2.000 each @ Rs 1074.61 / each					Rs 2149.22	
72	od107701/2021_2022 Supply, Erection, Testing and commissioning of octagonal poles including the inbuilt control/junction box suitable for basic wind speed at 10M level upto 180kmph (50m/sec.) wind speed for 3 seconds as per IS: 875, Part-3-1987, column designed to ILETR-7 (2nd edition) wind speed design and pole design as per BS 5649 Steel grade : BSEN/10025 - equivalent (Y-355MPa) as per detailed specification of octagonal poles and bolted on existing foundation including connection with 3x2.5sqmm. PVC insulated copper stranded conductor (P+N+PE) double sheathed wire from Control Box to Luminaries single pole as required, including complete termination of the same to complete the job in all respects to entire satisfaction of Engineer-in-charge. Supply, Installation, Testing and Commissioning of GI Octagonal 9Mtr. Height pole with 1.5Mtr long single Arm & decorative galvanized bracket suitable for fixing 1X70W Watt LED luminaries							
		19					19.000	

							Total Deducted Quantity	0.000 each	
							Net Total Quantity	10.000 each	
							Say 10.000 each @ Rs 1742.25 / each	Rs 17422.50	
76	od107705/2021_2022 Supply of LED medium-bay type luminaire with a system power of 100 W, system efficacy >125 lm/W, and system light output greater than 13500 lumens. The luminaire shall have a rated life of 50000 burning hours as per L70B50 criteria. Ther luminaire housing shall be made of diecast aluminium and high transmittance tempered glass with PC lens. The luminaire must be able to operate from -10 deg C to 45 deg C The luminaire must meet IP66, IK08 rating with THD < 10%, PF > 0.95,with auto high cut off @ 325 ± 15V & Auto Restart, 4 kV inbuilt surge protection. The luminaire must have phase to phase protection of 440 V upto 8 hours atleast. The luminaire must be CRI>80, SDCM < 5 and a wide beam angle of 110 deg. The luminaier shall have Class I protection and must be BIS certified and must have LM79 & LM80 reports from NABL accredited labs. Make : Philips BY225P LED135S CW WB PSU or equivalent								
		2					2.000		
							Total Quantity	2.000 each	
							Total Deducted Quantity	0.000 each	
							Net Total Quantity	2.000 each	
							Say 2.000 each @ Rs 10453.50 / each	Rs 20907.00	
77	od107706/2021_2022 Supply of ceiling fan of 1200mm sweep, including the down rod of standard length (upto 30 cm.) of (havels make, ES 50 Premium White or CG make, Riveria or equivalent).								
		2					2.000		
							Total Quantity	2.000 each	
							Total Deducted Quantity	0.000 each	
							Net Total Quantity	2.000 each	
							Say 2.000 each @ Rs 2499.55 / each	Rs 4999.10	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
6 Appendix - F Mechanical works - PART A-Regular gates									
1	od50822/2022_2023 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges								
Primary embedded parts (12 x 2.5) 30 nos									
	Plate for sill beam-type 5	26*30	0.300	0.100	0.010	7850.0	1836.900		
	Plate for Side Guide-type 3	24*30	0.150	0.100	0.010	7850.0	847.800		
	Plate for U/S Guide-Type4	24*2*30	0.100	0.100	0.010	7850.0	1130.400		

	Roller Track Type 4	12*30	0.100	0.100	0.010	7850.0	282.600		
	Roller Track Type 2	24*30	0.200	0.100	0.010	7850.0	1130.400		
	Dogging beam type -12 x 2.5 -30 nos								
	Dogging beam base plate 12mm plate	4*30	0.400	0.400	0.012	7850.0	1808.641		
	Secondary embedded parts (12 x 2.5) 30 nos								
	Sill base plate	26*30	0.300	0.100	0.010	7850.0	1836.900		
	Sill Beam	2*30	0.237	0.180	0.008	7850.0	160.743		
	sill beam	24*30	0.225	0.060	0.008	7850.0	610.416		
	sill beam	2*30	0.160	0.120	0.008	7850.0	72.346		
	Roller track flange	4*30	6.150	0.200	0.016	7850.0	18538.560		
	Roller track web	2*30	6.150	0.200	0.016	7850.0	9269.280		
	Rib roller I track web - 1	12*30	0.200	0.092	0.010	7850.0	519.984		
	Rib roller track web - 2	12*30	0.200	0.092	0.010	7850.0	519.984		
	Side guide plate	2*30	6.150	0.120	0.020	7850.0	6951.960		
	Side guide base plate	24*30	0.150	0.100	0.010	7850.0	847.800		
	Side seal seat plate	24*30	0.470	0.100	0.008	7850.0	2125.152		
	Side seal seat plate	2*30	0.140	0.090	0.008	7850.0	47.477		
	Side seal seat plate	2*30	0.229	0.145	0.008	7850.0	125.117		
	Total Quantity						48662.460 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						48662.460 kg		
	Say 48662.460 kg @ Rs 80.03 / kg						Rs 3894456.67		
2	od50942/2022_2023 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Secondary embedded parts(12 x 2.5)								
	Sill beam ISMB - 250 X 125	1*30	12.900			37.5	14512.500		
	ISA for sill ISA 80x80x8	2*30	0.150			9.6	86.400		
	ISA for roller track ISA 75 X 75 X 6	12*30	0.080			6.8	195.840		

	ISA for side seal 130 X 130 X 10	2*30	6.150			19.7	7269.300	
	Total Quantity						22064.040 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						22064.040 kg	
	Say 22064.040 kg @ Rs 76.70 / kg						Rs 1692311.87	
3	od50978/2022_2023 Supply of MS round bar including cost of conveyance charges							
	Dogging beam (12 x 2.5)							
	16mm MS Rod	16*30	0.350			1.58	265.440	
	16mm MS Rod	4*30	0.305			1.58	57.828	
	Primary embedded parts (12 x 2.5) 30 nos							
	Plate for sill beam- type 5	2*26*30	0.310			1.58	764.089	
	Plate for Side Guide- type 3	2*24*30	0.310			1.58	705.312	
	Plate for U/S Guide- Type4	24*2*30	0.310			1.58	705.312	
	Roller Track Type 4	12*30	0.310			1.58	176.328	
	Roller Track Type 2	2*24*30	0.310			1.58	705.312	
	Secondary Embedded Parts							
	Sill Beam 16 mm Dia- 170LG Anchor Rod	52*30	0.170			1.58	419.017	
	RollerTrack 16 mm dia -165LG Anchor rod	48*30	0.165			1.58	375.409	
	RollerTrack 16 mm dia -115LG Anchor rod	12*30	0.115			1.58	65.413	
	Side Guide 16 mmdia- 110LG Anchor Rod	48*30	0.110			1.58	250.273	
	U/S Guide 16 mmdia - 125LG Anchor rod	24*30	0.125			1.58	142.201	
	U/S Guide 16 mmdia - 315LG Anchor rod	24*30	0.315			1.58	358.345	
	Total Quantity						4990.279 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						4990.279 kg	

	Say 4990.279 kg @ Rs 73.37 / kg						Rs 366136.77	
4	od224238/2019_2020 Supply of MS Bolts and Nuts							
	Secondary Embedded Parts							
	Nut & Washer M16	416*30				0.04	499.200	
	M16 x 55 Bolt	4*30				0.1	12.000	
	M16 x 45 Bolt	4*30				0.07	8.400	
	Total Quantity						519.600 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						519.600 kg	
	Say 519.600 kg @ Rs 76.21 / kg						Rs 39598.72	
5	85.108 Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of deptl officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied							
	Primary embedded parts (12 x 2.5) 30 nos							
	Plate for sill beam-type 5	26*30	0.300	0.100	0.010	7850.0	1836.900	
	Plate for Side Guide-type 3	24*30	0.150	0.100	0.010	7850.0	847.800	
	Plate for U/S Guide-Type4	24*2*30	0.100	0.100	0.010	7850.0	1130.400	
	Roller Track Type 4	12*30	0.100	0.100	0.010	7850.0	282.600	
	Roller Track Type 2	24*30	0.200	0.100	0.010	7850.0	1130.400	
	Dogging beam type -12 x 2.5 -30 nos							
	Dogging beam base plate 12mm plate	4*30	0.400	0.400	0.012	7850.0	1808.641	
	Secondary embedded parts (12 x 2.5) 30 nos							
	Sill base plate	26*30	0.300	0.100	0.010	7850.0	1836.900	
	Sill Beam	2*30	0.237	0.180	0.008	7850.0	160.743	
	sill beam	24*30	0.225	0.060	0.008	7850.0	610.416	
	sill beam	2*30	0.160	0.120	0.008	7850.0	72.346	
	Roller track flange	4*30	6.150	0.200	0.016	7850.0	18538.560	
	Roller track web	2*30	6.150	0.200	0.016	7850.0	9269.280	

Rib roller I track web - 1	12*30	0.200	0.092	0.010	7850.0	519.984	
Rib roller track web - 2	12*30	0.200	0.092	0.010	7850.0	519.984	
Side guide plate	2*30	6.150	0.120	0.020	7850.0	6951.960	
Side guide base plate	24*30	0.150	0.100	0.010	7850.0	847.800	
Side seal seat plate	24*30	0.470	0.100	0.008	7850.0	2125.152	
Side seal seat plate	2*30	0.140	0.090	0.008	7850.0	47.477	
Side seal seat plate	2*30	0.229	0.145	0.008	7850.0	125.117	
Secondary embedded parts(12 x 2.5)							
Sill beam ISMB - 250 X 125	1*30	12.900			37.5	14512.500	
ISA for sill ISA 80x80x8	2*30	0.150			9.6	86.400	
ISA for roller track ISA 75 X 75 X 6	12*30	0.080			6.8	195.840	
ISA for side seal 130 X 130 X 10	2*30	6.150			19.7	7269.300	
Dogging beam (12 x 2.5)							
16mm MS Rod	16*30	0.350			1.58	265.440	
16mm MS Rod	4*30	0.305			1.58	57.828	
Primary embedded parts (12 x 2.5) 30 nos							
Plate for sill beam-type 5	2*26*30	0.310			1.58	764.089	
Plate for Side Guide-type 3	2*24*30	0.310			1.58	705.312	
Plate for U/S Guide-Type4	24*2*30	0.310			1.58	705.312	
Roller Track Type 4	12*30	0.310			1.58	176.328	
Roller Track Type 2	2*24*30	0.310			1.58	705.312	
Secondary Embedded Parts							
Sill Beam 16 mm Dia-170LG Anchor Rod	52*30	0.170			1.58	419.017	
RollerTrack 16 mm dia -165LG Anchor rod	48*30	0.165			1.58	375.409	
RollerTrack 16 mm dia -115LG Anchor rod	12*30	0.115			1.58	65.413	

	Side Guide 16 mmdia-110LG Anchor Rod	48*30	0.110			1.58	250.273		
	U/S Guide 16 mmdia - 125LG Anchor rod	24*30	0.125			1.58	142.201		
	U/S Guide 16 mmdia - 315LG Anchor rod	24*30	0.315			1.58	358.345		
	Total Quantity						75716.779 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						75716.779 kg		
	Say 75716.779 kg @ Rs 95.88 / kg						Rs 7259724.77		
6	od224247/2019_2020 Fabrication, supply, erection and assembling in correct position and alignment by welding SS Embedded parts in 304L Grade like roller track, seal track, seal seat etc as per approved specifications, drawings and directions of deptl officer at site including cost of all materials, labour, machinery for planing, welding, shearing, grinding etc, lead and lift, conveyance, incidental and handling etc complete Rate analysis SS Embedded parts 2.6Qtl								
	SS Embedded parts (12 x 2.5)								
	Sill beam pad SS plate 140 X 8mm	1*30	12.800	0.140	0.008	7900.0	3397.632		
	Roller track SS pad 100 X 12mm	2*30	6.050	0.100	0.012	7900.0	3441.240		
	Side seal seat SS plate 80 X 8mm	2*30	6.050	0.080	0.008	7900.0	1835.328		
	U/S Guide	2*30	0.150	0.090	0.008	7900.0	51.192		
	Total Quantity						8725.392 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						8725.392 kg		
	Say 8725.392 kg @ Rs 531.02 / kg						Rs 4633357.66		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
7 F1 -Supply of materials, fabrication, painting and erection of 12 No of MS shutter.									
1	od50822/2022_2023 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges								
	Dogging beam (12 x 2.5) -								
	Cross plate - 16mm plate	4*30	1.450	0.120	0.016	7850.0	2622.528		
	Longitudinal plate - 16mm plate	4*30	1.450	0.200	0.016	7850.0	4370.880		

	Side plate - 16mm plate	4*30	0.220	0.100	0.016	7850.0	331.585	
	Stiffener plate - 12mm plate	12*30	0.200	0.088	0.012	7850.0	596.852	
	shutter 30Nos (12 x 2.5M)							
	Skin plate 10mm plate	1*30	12.650	2.650	0.010	7850.0	78945.488	
	End box plate	4*30	2.650	0.510	0.010	7850.0	12731.130	
	Stiffener plate roller	4*30	0.250	0.110	0.010	7850.0	259.050	
	Roller support plate - 1 -	4*30	0.160	0.140	0.010	7850.0	211.008	
	Roller support plate - 2, Dia 140 X 20mm plate	4*30	3.14/4	.14*.14	0.020	7850.0	289.873	
	Roller support plate - 3 -	4*30	0.160	0.140	0.010	7850.0	211.008	
	Roller support plate - 1 - 10mm plate	4*30	0.140	0.070	0.010	7850.0	92.317	
	End box stiffener plate - 8mm plate	16*30	0.510	0.110	0.010	7850.0	2113.848	
	Horizontal girder web 10mm plate	2*30	12.370	1.200	0.010	7850.0	69915.240	
	Horizontal girder flange 10mm plate	2*30	12.840	0.200	0.010	7850.0	12095.280	
	Web stiffener 10mm plate	16*30	1.050	0.090	0.010	7850.0	3560.760	
	Full depth stiffener web 1 - 10 mm plate	3*30	1.200	0.969	0.010	7850.0	8215.182	
	Full depth stiffener web 2 - 10mm plate	3*30	1.200	1.140	0.010	7850.0	9664.920	
	Full depth stiffener web 3 - 10mm plate	5*30	1.200	0.490	0.010	7850.0	6923.700	
	Vertical Stiffner	4*30	1.200	0.490	0.010	7850.0	5538.960	
	Vertical Stiffner	4*30	1.200	0.490	0.010	7850.0	5538.960	
	Full depth stiffener web 4 - 10 mm plate	2*30	1.200	1.130	0.010	7850.0	6386.760	
	Vertical stiffener 1 - 10mm plate	26*30	0.969	0.150	0.010	7850.0	8899.781	

	Vertical stiffener 2 - 10mm plate	26*30	1.140	0.150	0.010	7850.0	10470.330		
	Vertical stiffener 3 - 10mm plate	26*30	0.490	0.150	0.010	7850.0	4500.406		
	Full depth stiffener flange 10mm plate	5*30	0.950	0.150	0.010	7850.0	1677.938		
	Vertical seal seat - 20mm plate	2*30	2.565	0.105	0.020	7850.0	2537.042		
	Seal seat vertical bottom 6 mm plate	2*30	0.105	0.090	0.006	7850.0	26.706		
	Seal clamp Horizontal 10mm plate	1*30	11.762	0.080	0.010	7850.0	2215.961		
	Seal guard 20mm plate	1*30	11.762	0.020	0.020	7850.0	1107.981		
	Side guide plate 1 - 12mm plate	4*30	0.200	0.200	0.012	7850.0	452.161		
	Side guide shoe 10mm plate	8*30	0.210	0.093	0.010	7850.0	367.946		
	Side guide plate - 2, 30mm plate	4*30	0.116	0.068	0.030	7850.0	222.915		
	Guide shoe - 2, 40mm plate	4*30	0.150	0.040	0.040	7850.0	226.080		
	Total Quantity						263320.576 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						263320.576 kg		
	Say 263320.576 kg @ Rs 80.03 / kg						Rs 21073545.70		
2	od50942/2022_2023 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Type - (12x2.5)								
	Bracing top ISMC 150 X 75	1*30	12.370			16.4	6086.040		
	Bracing angle top ISA 75 X 75 X 8	4*30	1.140			8.9	1217.520		
	Side seal clamp ISA 75 X 75 X 8	2*30	2.650			8.9	1415.101		
	Dogging beam (12 x 2.5)								

	Locking angle ISA 75 X 75 X 8	8*30	0.232			8.9	495.552	
	Total Quantity						9214.213 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						9214.213 kg	
	Say 9214.213 kg @ Rs 76.70 / kg						Rs 706730.14	
3	od224234/2019_2020 Cost of MS Bolts & Nuts							
	Type - 1 (12x 2.5M) shutter							
	M 16 X 40 hex.bolt	28*30				0.13	109.200	
	M 16 X 30 hex.bolt	16*30				0.13	62.401	
	M 16 X 80 hex.bolt with nut	66*30				0.18	356.400	
	M 16 X 60 hex.bolt with nut	146*30				0.15	657.000	
	M 16 X 40 hex.bolt	16*30				0.13	62.401	
	Washer	288*30				0.01	86.400	
	M 16 X 30 hex.bolt	16*30				0.13	62.401	
	Total Quantity						1396.203 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1396.203 kg	
	Say 1396.203 kg @ Rs 76.21 / kg						Rs 106404.63	
4	od224239/2019_2020 Supply and stacking of dia 8 mm SS-304 chain, including cost of materials, conveyance etc. complete 							
	Dogging beam chain							
	Type - 1 - 8mm SS chain	2*30	2.000				120.000	
	Total Quantity						120.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						120.000 metre	
	Say 120.000 metre @ Rs 764.27 / metre						Rs 91712.40	
5	85.110 Fabrication and supply of Structural steel wheel gate and accessories as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied							

Dogging beam (12 x 2.5) -								
Cross plate - 16mm plate	4*30	1.450	0.120	0.016	7850.0	2622.528		
Longitudinal plate - 16mm plate	4*30	1.450	0.200	0.016	7850.0	4370.880		
Side plate - 16mm plate	4*30	0.220	0.100	0.016	7850.0	331.585		
Stiffener plate - 12mm plate	12*30	0.200	0.088	0.012	7850.0	596.852		
shutter 30Nos (12 x 2.5M)								
Skin plate 10mm plate	1*30	12.650	2.650	0.010	7850.0	78945.488		
End box plate	4*30	2.650	0.510	0.010	7850.0	12731.130		
Stiffener plate roller	4*30	0.250	0.110	0.010	7850.0	259.050		
Roller support plate - 1 -	4*30	0.160	0.140	0.010	7850.0	211.008		
Roller support plate - 2, Dia 140 X 20mm plate	4*30	3.14/4	.14*.14	0.020	7850.0	289.873		
Roller support plate - 3 -	4*30	0.160	0.140	0.010	7850.0	211.008		
Roller support plate - 1 - 10mm plate	4*30	0.140	0.070	0.010	7850.0	92.317		
End box stiffener plate - 8mm plate	16*30	0.510	0.110	0.010	7850.0	2113.848		
Horizontal girder web 10mm plate	2*30	12.370	1.200	0.010	7850.0	69915.240		
Horizontal girder flange 10mm plate	2*30	12.840	0.200	0.010	7850.0	12095.280		
Web stiffener 10mm plate	16*30	1.050	0.090	0.010	7850.0	3560.760		
Full depth stiffener web 1 - 10 mm plate	3*30	1.200	0.969	0.010	7850.0	8215.182		
Full depth stiffener web 2 - 10mm plate	3*30	1.200	1.140	0.010	7850.0	9664.920		
Full depth stiffener web 3 - 10mm plate	5*30	1.200	0.490	0.010	7850.0	6923.700		
Vertical Stiffner	4*30	1.200	0.490	0.010	7850.0	5538.960		

	Vertical Stiffner	4*30	1.200	0.490	0.010	7850.0	5538.960		
	Full depth stiffener web 4 - 10 mm plate	2*30	1.200	1.130	0.010	7850.0	6386.760		
	Vertical stiffener 1 - 10mm plate	26*30	0.969	0.150	0.010	7850.0	8899.781		
	Vertical stiffener 2 - 10mm plate	26*30	1.140	0.150	0.010	7850.0	10470.330		
	Vertical stiffener 3 - 10mm plate	26*30	0.490	0.150	0.010	7850.0	4500.406		
	Full depth stiffener flange 10mm plate	5*30	0.950	0.150	0.010	7850.0	1677.938		
	Vertical seal seat - 20mm plate	2*30	2.565	0.105	0.020	7850.0	2537.042		
	Seal seat vertical bottom 6 mm plate	2*30	0.105	0.090	0.006	7850.0	26.706		
	Seal clamp Horizontal 10mm plate	1*30	11.762	0.080	0.010	7850.0	2215.961		
	Seal guard 20mm plate	1*30	11.762	0.020	0.020	7850.0	1107.981		
	Side guide plate 1 - 12mm plate	4*30	0.200	0.200	0.012	7850.0	452.161		
	Side guide shoe 10mm plate	8*30	0.210	0.093	0.010	7850.0	367.946		
	Side guide plate - 2, 30mm plate	4*30	0.116	0.068	0.030	7850.0	222.915		
	Guide shoe - 2 - 40mm plate	4*30	0.150	0.040	0.040	7850.0	226.080		
	Type - (12x2.5)								
	Bracing top ISMC 150 X 75	1*30	12.370			16.4	6086.040		
	Bracing angle top ISA 75 X 75 X 8	4*30	1.140			8.9	1217.520		
	Side seal clamp ISA 75 X 75 X 8	2*30	2.650			8.9	1415.101		
	Dogging beam (12 x 2.5)								
	Locking angle ISA 75 X 75 X 8	8*30	0.232			8.9	495.552		
	Total Quantity						272534.789 kg		

		Total Deducted Quantity				0.000 kg	
		Net Total Quantity				272534.789 kg	
		Say 272534.789 kg @ Rs 82.66 / kg				Rs 22527725.66	
6	85.112	Painting all the exposed surfaces of the gate and embedded parts with two coats of epoxy coal tar black paint confirming to IS14948 with a minimum film thickness of 150+/-5 microns per each coat over two coats of priming coat applied with zinc primer containing not less than 85% of zinc dry film with a film thickness of 70+/-5 microns , so that the total film thickness of all coats including priming coat at any rate is not less than 350microns over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials , labour charges , cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site					
Dogging beam type -12 x 2.5 -30 nos							
	Dogging beam base plate 12mm plate	4*30	0.400	0.400			19.201
Dogging beam (12 x 2.5) -							
	Cross plate - 16mm plate	4*30	1.450	0.120		2.0	41.760
	Longitudinal plate - 16mm plate	4*30	1.450	0.200		2.0	69.600
	Side plate - 16mm plate	4*30	0.220	0.100		2.0	5.280
	Stiffener plate - 12mm plate	12*30	0.200	0.088		2.0	12.672
shutter 30Nos (12 x 2.5M)							
	Skin plate 10mm plate	1*30	12.650	2.650		2.0	2011.351
	End box plate	4*30	2.650	0.510		2.0	324.360
	Stiffener plate roller	4*30	0.250	0.110		2.0	6.600
	Roller support plate - 1 -	4*30	0.160	0.140		2.0	5.377
	Roller support plate - 2, Dia 140 X 20mm plate	4*30	3.14/4	.14*.14		2.0	3.693
	Roller support plate - 3 -	4*30	0.160	0.140		2.0	5.377
	Roller support plate - 1 - 10mm plate	4*30	0.140	0.070		2.0	2.353
	End box stiffener plate - 8mm plate	16*30	0.510	0.110		2.0	53.856

Horizontal girder web 10mm plate	2*30	12.370	1.200		2.0	1781.280	
Horizontal girder flange 10mm plate	2*30	12.840	0.200		2.0	308.160	
Web stiffener 10mm plate	16*30	1.050	0.090		2.0	90.720	
Full depth stiffener web 1 - 10 mm plate	3*30	1.200	0.969		2.0	209.304	
Full depth stiffener web 2 - 10mm plate	3*30	1.200	1.140		2.0	246.240	
Full depth stiffener web 3 - 10mm plate	5*30	1.200	0.490		2.0	176.400	
Vertical Stiffner	4*30	1.200	0.490		2.0	141.120	
Vertical Stiffner	4*30	1.200	0.490		2.0	141.120	
Full depth stiffener web 4 - 10 mm plate	2*30	1.200	1.130		2.0	162.720	
Vertical stiffener 1 - 10mm plate	26*30	0.969	0.150		2.0	226.746	
Vertical stiffener 2 - 10mm plate	26*30	1.140	0.150		2.0	266.760	
Vertical stiffener 3 - 10mm plate	26*30	0.490	0.150		2.0	114.660	
Full depth stiffener flange 10mm plate	5*30	0.950	0.150		2.0	42.750	
Vertical seal seat - 20mm plate	2*30	2.565	0.105		2.0	32.319	
Seal seat vertical bottom 6 mm plate	2*30	0.105	0.090		2.0	1.134	
Seal clamp Horizontal 10mm plate	1*30	11.762	0.080		2.0	56.458	
Seal guard 20mm plate	1*30	11.762	0.020		2.0	14.115	
Side guide plate 1 - 12mm plate	4*30	0.200	0.200		2.0	9.601	
Side guide shoe 10mm plate	8*30	0.210	0.093		2.0	9.375	
Side guide plate - 2, 30mm plate	4*30	0.116	0.068		2.0	1.894	

	Guide shoe - 2 - 40mm plate	4*30	0.150	0.040		2.0	1.440		
	Type - (12x2.5)								
	Bracing top ISMC 150 X 75	1*30	12.370			0.6	222.660		
	Bracing angle top ISA 75 X 75 X 8	4*30	1.140			0.3	41.040		
	Side seal clamp ISA 75 X 75 X 8	2*30	2.650			0.3	47.700		
	Dogging beam (12 x 2.5)								
	Locking angle ISA 75 X 75 X 8	8*30	0.232			0.3	16.704		
	Total Quantity						6923.900 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						6923.900 sqm		
	Say 6923.900 sqm @ Rs 837.45 / sqm						Rs 5798420.06		
7	85.111 Erection of the gates safely in the grooves , assembling and aligning including cost of all machinery, labour all incidental and conveyance charges etc complete as per direction of departmental officer at site								
	Other Engineering Specifications Type - 1 (12x 2.5M) shutter								
	M 16 X 40 hex.bolt	28*30				0.13	109.200		
	M 16 X 30 hex.bolt	16*30				0.13	62.401		
	M 16 X 80 hex.bolt with nut	66*30				0.18	356.400		
	M 16 X 60 hex.bolt with nut	146*30				0.15	657.000		
	M 16 X 40 hex.bolt	16*30				0.13	62.401		
	Washer	288*30				0.01	86.400		
	M 16 X 30 hex.bolt	16*30				0.13	62.401		
	Dogging beam (12 x 2.5) -								
	Cross plate - 16mm plate	4*30	1.450	0.120	0.016	7850.0	2622.528		
	Longitudinal plate - 16mm plate	4*30	1.450	0.200	0.016	7850.0	4370.880		
	Side plate - 16mm plate	4*30	0.220	0.100	0.016	7850.0	331.585		

	Stiffener plate - 12mm plate	12*30	0.200	0.088	0.012	7850.0	596.852	
	shutter 30Nos (12 x 2.5M)							
	Skin plate 10mm plate	1*30	12.650	2.650	0.010	7850.0	78945.488	
	End box plate	4*30	2.650	0.510	0.010	7850.0	12731.130	
	Stiffener plate roller	4*30	0.250	0.110	0.010	7850.0	259.050	
	Roller support plate - 1 -	4*30	0.160	0.140	0.010	7850.0	211.008	
	Roller support plate - 2, Dia 140 X 20mm plate	4*30	3.14/4	.14*.14	0.020	7850.0	289.873	
	Roller support plate - 3 -	4*30	0.160	0.140	0.010	7850.0	211.008	
	Roller support plate - 1 - 10mm plate	4*30	0.140	0.070	0.010	7850.0	92.317	
	End box stiffener plate - 8mm plate	16*30	0.510	0.110	0.010	7850.0	2113.848	
	Horizontal girder web 10mm plate	2*30	12.370	1.200	0.010	7850.0	69915.240	
	Horizontal girder flange 10mm plate	2*30	12.840	0.200	0.010	7850.0	12095.280	
	Web stiffener 10mm plate	16*30	1.050	0.090	0.010	7850.0	3560.760	
	Full depth stiffener web 1 - 10 mm plate	3*30	1.200	0.969	0.010	7850.0	8215.182	
	Full depth stiffener web 2 - 10mm plate	3*30	1.200	1.140	0.010	7850.0	9664.920	
	Full depth stiffener web 3 - 10mm plate	5*30	1.200	0.490	0.010	7850.0	6923.700	
	Vertical Stiffner	4*30	1.200	0.490	0.010	7850.0	5538.960	
	Vertical Stiffner	4*30	1.200	0.490	0.010	7850.0	5538.960	
	Full depth stiffener web 4 - 10 mm plate	2*30	1.200	1.130	0.010	7850.0	6386.760	
	Vertical stiffener 1 - 10mm plate	26*30	0.969	0.150	0.010	7850.0	8899.781	
	Vertical stiffener 2 - 10mm plate	26*30	1.140	0.150	0.010	7850.0	10470.330	

	Vertical stiffener 3 - 10mm plate	26*30	0.490	0.150	0.010	7850.0	4500.406	
	Full depth stiffener flange 10mm plate	5*30	0.950	0.150	0.010	7850.0	1677.938	
	Vertical seal seat - 20mm plate	2*30	2.565	0.105	0.020	7850.0	2537.042	
	Seal seat vertical bottom 6 mm plate	2*30	0.105	0.090	0.006	7850.0	26.706	
	Seal clamp Horizontal 10mm plate	1*30	11.762	0.080	0.010	7850.0	2215.961	
	Seal guard 20mm plate	1*30	11.762	0.020	0.020	7850.0	1107.981	
	Side guide plate 1 - 12mm plate	4*30	0.200	0.200	0.012	7850.0	452.161	
	Side guide shoe 10mm plate	8*30	0.210	0.093	0.010	7850.0	367.946	
	Side guide plate - 2, 30mm plate	4*30	0.116	0.068	0.030	7850.0	222.915	
	Guide shoe - 2 - 40mm plate	4*30	0.150	0.040	0.040	7850.0	226.080	
Other Engineering Organisations Type - (12x2.5)								
	Bracing top ISMC 150 X 75	1*30	12.370			16.4	6086.040	
	Bracing angle top ISA 75 X 75 X 8	4*30	1.140			8.9	1217.520	
	Side seal clamp ISA 75 X 75 X 8	2*30	2.650			8.9	1415.101	
Dogging beam (12 x 2.5)								
	Locking angle ISA 75 X 75 X 8	8*30	0.232			8.9	495.552	
Total Quantity							273930.992 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							273930.992 kg	
Say 273930.992 kg @ Rs 6.76 / kg							Rs 1851773.51	
SI No	Description	No	L	B	D	CF	Quantity	Remark
8 F2- Supplying and fixing of rubber seals								

1	85.116 Supplying and fixing in correct position with specified initial interface the flat type rubber seal confirming to IS 11855 to the gates including cost of SS bolts and nut all labour and machinery and incidental and conveyance charges complete as per approved specification and drawing							
Flat rubber seals								
	Flat type rubber seals 90 X 14mm	1*30	11.976					359.281
Total Quantity							359.281 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							359.281 metre	
Say 359.281 metre @ Rs 2254.98 / metre							Rs 810171.47	
2	85.118 Supplying and fixing in correct position with specified initial interface L-type / bulb nose rubber seal confirming to IS11855 to the gates including cost of SS bolts and nuts and all labour and machinery and incidental and conveyance charges complete as per approved specifications and drawings							
Side seals								
	Z-type rubber seal Dia 30 x 120mm	2*30	2.656					159.360
Total Quantity							159.360 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							159.360 metre	
Say 159.360 metre @ Rs 3009.98 / metre							Rs 479670.41	
SI No	Description	No	L	B	D	CF	Quantity	Remark
9 F3 -Supplying and fixing of roller assembly								
1	od224229/2019_2020 Supplying and fixing cast steel thrust roller assembly having 300mm Dia, 90mm tread width, SS(304) shaft and 22220E self aligning spherical roller bearing and accessories as per approved specifications and drawings including cost of all materials, machineries, labour, all lift and lead, incidental and conveyance charges etc complete							
Roller wheels								
	Dia 300mm wheels	4*30						120.000
Total Quantity							120.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							120.000 no	
Say 120.000 no @ Rs 40572.18 / no							Rs 4868661.60	
SI No	Description	No	L	B	D	CF	Quantity	Remark

10 F 4 Supply of materials, fabrication, painting and erection of hoisting bridge, covers and frames of driving units and rope drum for shutter								
1	od50822/2022_2023 Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges							
	Hoisting bridge Type - (12x2.5)							
	Longitudinal girder flange 16mm plate	4*30	14.220	0.150	0.016	7850.0	32148.576	
	Longitudinal girder web 10mm plate	2*30	14.200	1.200	0.010	7850.0	80258.401	
	Base plate main girder 20mm plate	2*30	0.450	0.360	0.020	7850.0	1526.041	
	Alignment plate for base plate 10mm plate	4*30	0.450	0.360	0.010	7850.0	1526.041	
	Web stiffener end side 10mm plate	16*30	1.216	0.170	0.010	7850.0	7789.210	
	Anchoring rod end plate Dia 100 x 10 Thk	36*30	0.100	0.100	0.010	7850.0	847.801	
	Plate 10 mm	2*30	0.360	0.220	0.010	7850.0	373.032	
	Web stiffener - 1 - 10mm plate	8*30	0.910	0.065	0.010	7850.0	1114.386	
	Web stiffener - 2 - 10mm plate	4*30	1.010	0.065	0.010	7850.0	618.423	
	Web stiffener - 3 - 10mm plate	28*30	1.060	0.065	0.010	7850.0	4543.267	
	Web stiffener - 4 - 10mm plate	40*30	1.200	0.065	0.010	7850.0	7347.600	
	Hand rail base support 10mm plate	14*30	0.250	0.135	0.010	7850.0	1112.738	
	Pulley frame 16mm plate	4*30	0.792	0.550	0.016	7850.0	6565.364	
	Pulley pin lock plate 10mm	8*30	0.120	0.050	0.010	7850.0	113.040	
	Pulley spacer OD 180, ID 82, 8mm Thk	8*30	0.180	0.180	0.008	7850.0	488.333	
	Plate connect hoist bridge, 10mm plate	2*30	0.150	0.150	0.010	7850.0	105.975	
	Flat	2*30	13.635	0.050	0.008	7850.0	2568.835	

	Flat	1*30	1.600	0.050	0.008	7850.0	150.721	
Gear box cover Type -(12x2.5)								
	Cover - 1 3. 15 sheet	2*30	2.400	0.480	0.00315	7850.0	1709.165	
	Cover - 1 3. 15 sheet	4*30	1.455	0.675	0.00315	7850.0	2914.260	
	Cover - 1 3. 15 sheet	2*30	0.310	0.210	0.00315	7850.0	96.586	
	Sheet 5 mm	1*30	0.096	0.035	0.005	7850.0	3.957	
	Flat	2*30	0.945	0.050	0.005	7850.0	111.274	
	Flat	1*30	1.245	0.050	0.005	7850.0	73.300	
Drive unit Type - (12x2.5)								
	Worm reducer base - 1 - 10mm plate	1*30	0.375	0.300	0.010	7850.0	264.938	
	Worm reducer angle support - 1 - 10mm plate	4*30	0.090	0.090	0.010	7850.0	76.302	
	Worm reducer angle support - 2 - 10mm plate	2*30	0.135	0.100	0.010	7850.0	63.586	
	Brake support - 1 - 10mm plate	1*30	0.350	0.120	0.010	7850.0	98.910	
	Brake support stiffener - 2 - 10mm plate	4*30	0.065	0.065	0.010	7850.0	39.800	
	Base plate motor - 10mm plate	1*30	0.220	0.200	0.010	7850.0	103.621	
	Base plate stiffener motor - 1 - 10mm plate	2*30	0.065	0.065	0.010	7850.0	19.900	
	Base plate stiffener motor - 2 - 10mm plate	1*30	0.100	0.054	0.010	7850.0	12.717	
Drive unit cover Type - (12x2.5)								
	Side cover - 1 3.15 sheet	2*30	1.355	0.965	0.00315	7850.0	1939.984	
	Side cover - 2 3.15 sheet	2*30	0.965	0.820	0.00315	7850.0	1174.013	
	Top cover - 1 3.15 sheet	1*30	1.400	0.820	0.00315	7850.0	851.616	

	Plate on side plate - 8 mm plate	1*30	0.100	0.100	0.008	7850.0	18.841	
	Plate at the opening of both side - 5mm plate	2*30	0.595	0.055	0.005	7850.0	77.068	
	Plummer block support Type - (12x2.5)							
	Plummer block 10mm plate	4*30	0.400	0.240	0.010	7850.0	904.320	
	Plummer block support-1 - 16mm plate	4*30	0.400	0.120	0.016	7850.0	723.456	
	Plummer block support-2 - 16mm plate	4*30	0.320	0.120	0.016	7850.0	578.765	
	Plummer block 40mm plate	4*30	0.240	0.095	0.040	7850.0	859.104	
	Plummer block 8 mm plate	4*30	0.260	0.090	0.008	7850.0	176.343	
	Gear box assembly Type - (12x2.5)							
	Frame extension plate-1 10mm plate	2*30	1.540	0.060	0.010	7850.0	435.204	
	Frame extension plate-2 10mm plate	2*30	0.690	0.060	0.010	7850.0	194.994	
	Stiffener-1 10mm plate	10*30	0.226	0.130	0.010	7850.0	691.900	
	Stiffener-2 10mm plate	2*30	0.222	0.070	0.010	7850.0	73.194	
	Drum support plate-1 10mm plate	8*30	0.220	0.080	0.010	7850.0	331.585	
	Drum support plate-2 10mm plate	4*30	0.150	0.080	0.010	7850.0	113.040	
	Drum shaft support plate-1 20mm plate	4*30	0.460	0.350	0.020	7850.0	3033.241	
	Drum shaft support plate-1 20mm plate	4*30	0.280	0.100	0.020	7850.0	527.521	
	Spacer OD-160, ID-76, 8mm thk	4*30	0.200	0.200	0.008	7850.0	301.441	
	Plummer block frame	4*30	0.275	0.090	0.020	7850.0	466.290	
	Plummer block frame	4*30	0.255	0.090	0.030	7850.0	648.567	

Wheels and pinion Type-(12x2.5)								
Wheel lock plate 15mm plate	12*10	0.025	0.070	0.015	7850.0	24.728		
Lifting arrangement Type-(12x2.5)								
Lifting bracket Frame- 1 12mm plate	4*30	1.030	0.590	0.012	7850.0	6869.441		
Lifting bracket side plate-1 10mm plate	4*30	0.300	0.130	0.010	7850.0	367.380		
Lifting bracket stiffener-1 10mm plate	6*30	0.100	0.080	0.010	7850.0	113.040		
Lifting bracket stiffener-2 10mm plate	2*30	0.140	0.100	0.010	7850.0	65.941		
Lifting bracket stiffener-3 10mm plate	4*30	0.100	0.100	0.010	7850.0	94.201		
Rope guard 3.15 sheet	4*30	0.650	0.100	0.00315	7850.0	192.875		
Pin lock plate-1 10mm plate	12*30	0.180	0.180	0.010	7850.0	915.624		
Lock plate - 10mm plate	24*30	0.130	0.050	0.010	7850.0	367.381		
Spacer OD-150, ID- 82, 8thk	8*30	0.150	0.150	0.008	7850.0	339.120		
Pin cover-1 10mm plate	4*30	0.080	0.025	0.010	7850.0	18.841		
Lifting bracket main frame-1 16mm plate	4*30	1.370	0.250	0.016	7850.0	5162.161		
Lifting bracket main frame-2 10mm plate	2*30	1.100	0.128	0.010	7850.0	663.169		
Lifting bracket base 10mm plate	2*30	1.050	0.400	0.010	7850.0	1978.201		
Transverse plate lifting bracket-1 10mm plate	2*30	1.100	0.692	0.010	7850.0	3585.252		
Transverse plate lifting bracket-2 10mm plate	2*30	1.419	0.210	0.010	7850.0	1403.533		
Dial assembly Type-(12x2.5)								
Base plate 8mm plate	1*30	0.450	0.300	0.008	7850.0	254.340		
Stiffener plate-1 10mm plate	2*30	0.185	0.150	0.010	7850.0	130.703		

	Stiffener plate-2 10mm plate	1*30	0.170	0.150	0.010	7850.0	60.053		
	Shim 2mm plate	1*30	0.165	0.050	0.002	7850.0	3.886		
	Plummer block base 10mm plate	1*30	0.260	0.090	0.010	7850.0	55.108		
	Stiffener plate-1 10mm plate	2*30	0.100	0.090	0.010	7850.0	42.390		
	Stiffener plate-2 10mm plate	2*30	0.236	0.210	0.010	7850.0	233.428		
	Plate for ladder								
	Foundation plate landing leg	4*2	0.300	0.200	0.012	7850.0	45.216		
	Foundation plate ladder rail	2*2	0.400	0.200	0.012	7850.0	30.145		
	Stiffener for leg	4*2	0.150	0.100	0.008	7850.0	7.537		
	Top plate for landing leg	4*2	0.200	0.100	0.012	7850.0	15.073		
	Joint plate for top landing to hoisting girder	4*2	0.200	0.180	0.012	7850.0	27.130		
	Anchoring plate for wall support	2*2	0.400	0.400	0.012	7850.0	60.289		
	Top plate for diagonal support	2*2	0.400	0.100	0.012	7850.0	15.073		
	Total Quantity						192047.846 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						192047.846 kg		
	Say 192047.846 kg @ Rs 80.03 / kg						Rs 15369589.12		
2	od50942/2022_2023 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Dial gauge assy Type-(12x2.5)								
	Main frame-1 ISMC 100 X 50	2*30	0.880			9.2	485.760		
	Dial gauge support ISA 50 X 50 X 6	2*30	0.050			4.5	13.500		
	Gear box cover Type-(12x2.5)								

	Frame-1 ISA 35x35x5	4*30	2.400			2.6	748.801	
	Frame-2 ISA 35x35x5	4*30	0.490			2.6	152.880	
	Frame-3 ISA 35x35x5	2*30	0.836			2.6	130.416	
	Frame-4 ISA 35x35x5	4*30	0.059			2.6	18.408	
	Frame-5 ISA 35x35x5	2*30	0.096			2.6	14.976	
	Frame-6 ISA 35x35x5	2*30	0.230			2.6	35.880	
	Frame-7 ISA 35x35x5	8*30	0.420			2.6	262.080	
	Curved frame-1 50x5 flat	4*30	0.945	0.050	0.005	7850.0	222.548	
	Curved frame-2 50x5 flat	2*30	1.245	0.050	0.005	7850.0	146.599	
	Hoisting bridge Type-(12x2.5)							
	Cross girder-1 (C-6), ISMC 300 x 90	4*30	2.090			35.8	8978.640	
	Cross girder-2 (C-4), ISMC 200 x 75	2*30	2.090			22.1	2771.340	
	Cross girder-3 (C-3), ISMC 150 x 75	4*30	0.670			16.4	1318.560	
	Cross girder-4 (C-2), 150 x 75	2*30	0.989			16.4	973.176	
	Cross girder-5 (C-7), ISMC 150 x 75	13*30	2.090			16.4	13367.640	
	Cross girder-6 ISMC 150 x 75	4*30	0.979			16.4	1926.672	
	Cross support-angle ISA 65 x 65 x 6	40*30	0.100			5.8	696.000	
	Catwalk main frame ISMC 150 x 75	13*30	0.555			16.4	3549.780	
	Catwalk support angle ISA 75 x 75 x 8	15*30	0.150			8.9	600.750	
	Longitudinal support ISA 65 x 65 x 6	2*30	14.220			5.8	4948.560	
	ISA 65 x 65 x 6	1*30	1.500			5.8	261.000	
	Hand rail post ISA 50 x 50 x 6	27*30	1.250			4.5	4556.250	
	Hand rail middle 50 x 8 flat	2*30	13.635	0.050	0.008	7850.0	2568.835	

	falt	1*30	1.600	0.050	0.008	7850.0	150.721	
	Inclined support ISA 75 x 75 x 8	13*30	0.665			8.9	2308.215	
	Gear box assy Type-(12x2.5)							
	Winch unit frame-1 ISMC 250 x 80	2*30	1.540			30.6	2827.441	
	Winch unit frame-2 ISMC 250 x 80	2*30	0.670			30.6	1230.121	
	Winch unit frame-3 ISMC 250 x 80	2*30	0.850			30.6	1560.601	
	Winch unit frame-4 ISMC 250 x 80	2*30	0.453			30.6	831.709	
	Winch unit frame-5 ISMC 250 x 80	2*30	0.770			30.6	1413.721	
	Winch unit frame-6 ISMC 250 x 80	2*30	0.210			30.6	385.560	
	Drive unit cover Type-(12x2.5)							
	Frame-1 ISA 35 x 35 x 6	2*30	0.840			3.0	151.200	
	Frame-2 ISA 35 x 35 x 6	2*30	0.935			3.0	168.300	
	Frame-3 ISA 35 x 35 x 6	2*30	0.250			3.0	45.000	
	Frame-4 ISA 35 x 35 x 6	4*30	1.000			3.0	360.000	
	Frame-5 ISA 35 x 35 x 6	2*30	0.770			3.0	138.601	
	Frame-6 ISA 35 x 35 x 6	2*30	1.400			3.0	252.000	
	Frame-7 ISA 35 x 35 x 5	2*30	0.770			2.59	119.658	
	Inspection window supporting angle ISA 35 x 35 x 6	1*30	0.850			3.0	76.500	
	Drive unit Type-(12x2.5)							
	Motor frame-1 ISMC 150 x 75	2*30	1.550			16.4	1525.200	

Motor frame-1 ISMC 150 x 75	2*30	0.700			16.4	688.800	
Motor frame-3 ISMC 150 x 75	1*30	0.700			16.4	344.400	
Frame of hand operating mechanism- 1 ISA 75 x 75 x 8	4*30	0.800			8.9	854.401	
Frame of hand operating mechanism- 2 ISA 75 x 75 x 8	2*30	0.400			8.9	213.601	
Frame of hand operating mechanism- 3 ISA 75 x 75 x 8	2*30	0.500			8.9	267.000	
Worm reducer support-1 ISA 100 x 100 x 8	2*30	0.700			12.1	508.200	
Brake frame-1 ISA 75 x 75 x 8	2*30	0.700			8.9	373.800	
Motor frame-1 ISA 75 x 75 x 8	2*30	0.700			8.9	373.800	
Plummer block frame ISMC 150 x 75	1*30	0.250			16.4	123.000	
ISA 100 x 100 x 8	1*30	0.250			12.1	90.750	
MS section for ladder							
Ladder rail bottom ISMC 200 x 75	2*2	3.610			22.1	319.124	
Bottom landing frame- 1 ISMC 200 x 75	5*2	1.000			22.1	221.000	
Bottom landing frame- 2 ISMC 200 x 75	2*2	3.000			22.1	265.201	
Leg for bottom landing ISMC 150 x 75	4*2	2.350			16.4	308.320	
Bracing-1 ISA 75 x 75 x 8	2*2	2.000			8.9	71.200	
Bracing-2 ISA 75 x 75 x 8	2*2	0.700			8.9	24.920	
Cleat ISA 75 x 75 x 8	8*2	0.180			8.9	25.632	
Ladder rail top ISMC 200 x 75	2*2	3.450			22.1	304.980	

	Top landing frame-1 ISMC 200 x 75	2*2	1.500			22.1	132.601		
	Top landing frame-2 ISMC 200 x 75	2*2	2.200			22.1	194.481		
	Wall support ISMC 150 x 75	2*2	2.120			16.4	139.072		
	Step frame-1 ISA 40 x 40 x 6	50*2	1.350			3.5	472.500		
	Step frame-2 ISA 40 x 40 x 6	50*2	0.300			3.5	105.000		
	Hand rail post -1 ISA 65 X 65 X 6	19*2	1.100			5.8	242.441		
	Hand rail post -2 ISA 65 X 65 X 6	3*2	1.150			5.8	40.020		
	Hand rail bottom MS flat 50 x 8	1*2	23.600	0.050	0.008	7850.0	148.209		
	Gate frame vertical ISA 40 x 40 x 6	2*2	0.390			3.5	5.460		
	Gate frame horizontal ISA 40 x 40 x 6	2*2	1.060			3.5	14.840		
	Total Quantity						69166.352 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						69166.352 kg		
	Say 69166.352 kg @ Rs 76.70 / kg						Rs 5305059.20		
3	85.103 Supply of MS chequered plates including cost of conveyance charges								
	Chequered plate for ladder								
	Landing platform- B o t t o m - 6 m m chequered sheet	1*2	3.000	1.000		49.2	295.201		
	Landing platform-Top- 6mm chequered sheet	1*2	2.200	1.500		49.2	324.720		
	Step-6mm chequered sheet	25*2	1.350	0.300		49.2	996.301		
	Gate-6mm chequered sheet	1*2	1.390	1.060		49.2	144.983		
	Hoisting platform Type-(12x2.5)								

	MS chequered plate - 6mm	2*30	3.320	2.030		49.2	19895.300		
	MS chequered plate - 6mm	4*30	0.935	0.745		49.2	4112.579		
	MS chequered plate - 6mm	2*30	0.820	0.300		49.2	726.192		
	MS chequered plate - 6mm	2*30	0.880	0.455		49.2	1181.981		
	MS chequered plate - 6mm	1*30	2.030	2.080		49.2	6232.263		
	MS chequered plate - 6mm	1*30	2.030	1.840		49.2	5513.156		
	MS chequered plate - 6mm	1*30	14.220	0.365		49.2	7660.883		
	Total Quantity						47083.559 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						47083.559 kg		
	Say 47083.559 kg @ Rs 73.34 / kg						Rs 3453108.22		
4	od224240/2019_2020 Supply of NB 32mm GI pipe								
	Hand rails NB 32								
	Hand rails of hoist bridge Type-1	2*30	15.050				903.000		
	Hand rails of hoist bridge Type-2 side	1*30	4.100				123.000		
	Ladder hand rail	1*2	23.600				47.200		
	Total Quantity						1073.200 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						1073.200 metre		
	Say 1073.200 metre @ Rs 340.96 / metre						Rs 365918.27		
5	od224245/2019_2020 Supply of MS Bolts and Nuts								
	Type-(12x2.5)								
	M16x80 Bolts W/nuts	8*30				0.18	43.200		
	M16x50 Bolts W/nuts	84*30				0.14	352.800		
	M16x60 Bolts W/nuts	8*30				0.15	36.000		

	M16x60 Bolts W/nuts	8*30				0.06	14.400		
	M20x100 Bolts W/nuts	4*30				0.36	43.200		
	M12x65 Bolts W/nuts	6*30				0.09	16.200		
	M20x100 Bolts W/nuts	12*30				0.36	129.600		
	M12x60 Bolts W/nuts	20*30				0.08	48.000		
	M16x120 Bolts W/nuts	8*2*30				0.25	120.000		
	M16x40 Bolts W/nuts	16*2*30				0.12	115.200		
	M8 Hex screw	8*2*30				0.02	9.600		
	M12x40 Bolts W/nuts	16*2*30				0.06	57.600		
	M16x55 Bolts W/nuts	4*30				0.15	18.000		
	M16x70 Bolts W/nuts	6*2*30				0.17	61.200		
	M6x25 screw	8*30				0.01	2.400		
	M16x40 Bolts W/nuts	48*30				0.12	172.800		
	Washer	360*30				0.01	108.000		
	Total Quantity						1348.200 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						1348.200 kg		
	Other Engineering Say 1348.200 kg @ Rs 76.21 / kg						Rs 102746.32		
6	od50978/2022_2023 Supply of MS round bar including cost of conveyance charges								
	Type-(12x2.5)								
	Dia 12mm Rod	2*30	0.300			0.89	16.020		
	Handle-1 16mm Rod	2*2*30	0.300			1.58	56.880		
	Handle-2 16mm Rod	1*2*30	0.280			1.58	26.545		
	Handle-3 16mm Rod	1*2*30	0.400			1.58	37.920		
	Type-(12x2.5)								
	Rod 25mmx750mm W/2 Nuts	16*30				3.85	1848.000		
	Washer	16*30				0.06	28.800		
	MS Rod for ladder foundation								
	J Type anchor rod 16mm for ladder	24*2	0.310			1.58	23.511		
	Total Quantity						2037.676 kg		
	Total Deducted Quantity						0.000 kg		

	Net Total Quantity						2037.676 kg	
	Say 2037.676 kg @ Rs 73.37 / kg						Rs 149504.29	
7	85.124 Fabrication and supply of Hoisting bridge unit in structural steel confirming to IS2062Gr including ladder, covers for hoisting unit etc as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, incidental and handling charges for fixing handrails and allied works etc complete but excluding material already supplied and weight of pipes for hand rails etc							
	Hoisting bridge Type - (12x2.5)							
	Longitudinal girder flange 16mm plate	4*30	14.220	0.150	0.016	7850.0	32148.576	
	Longitudinal girder web 10mm plate	2*30	14.200	1.200	0.010	7850.0	80258.401	
	Base plate main girder 20mm plate	2*30	0.450	0.360	0.020	7850.0	1526.041	
	Alignment plate for base plate 10mm plate	4*30	0.450	0.360	0.010	7850.0	1526.041	
	Web stiffener end side 10mm plate	16*30	1.216	0.170	0.010	7850.0	7789.210	
	Anchoring rod end plate Dia 100 x 10 Thk	36*30	0.100	0.100	0.010	7850.0	847.801	
	Plate 10 mm	2*30	0.360	0.220	0.010	7850.0	373.032	
	Web stiffener - 1 - 10mm plate	8*30	0.910	0.065	0.010	7850.0	1114.386	
	Web stiffener - 2 - 10mm plate	4*30	1.010	0.065	0.010	7850.0	618.423	
	Web stiffener - 3 - 10mm plate	28*30	1.060	0.065	0.010	7850.0	4543.267	
	Web stiffener - 4 - 10mm plate	40*30	1.200	0.065	0.010	7850.0	7347.600	
	Hand rail base support 10mm plate	14*30	0.250	0.135	0.010	7850.0	1112.738	
	Pulley frame 16mm plate	4*30	0.792	0.550	0.016	7850.0	6565.364	
	Pulley pin lock plate 10mm	8*30	0.120	0.050	0.010	7850.0	113.040	
	Pulley spacer OD 180, ID 82, 8mm Thk	8*30	0.180	0.180	0.008	7850.0	488.333	

	Plate connect hoist bridge, 10mm plate	2*30	0.150	0.150	0.010	7850.0	105.975	
	Flat	2*30	13.635	0.050	0.008	7850.0	2568.835	
	Flat	1*30	1.600	0.050	0.008	7850.0	150.721	
	Gear box cover Type - (12x2.5)							
	Cover - 1 3. 15 sheet	2*30	2.400	0.480	0.00315	7850.0	1709.165	
	Cover - 1 3. 15 sheet	4*30	1.455	0.675	0.00315	7850.0	2914.260	
	Cover - 1 3. 15 sheet	2*30	0.310	0.210	0.00315	7850.0	96.586	
	Sheet 5 mm	1*30	0.096	0.035	0.005	7850.0	3.957	
	Flat	2*30	0.945	0.050	0.005	7850.0	111.274	
	Flat	1*30	1.245	0.050	0.005	7850.0	73.300	
	Drive unit Type - (12x2.5)							
	Worm reducer base - 1 - 10mm plate	1*30	0.375	0.300	0.010	7850.0	264.938	
	Worm reducer angle support - 1 - 10mm plate	4*30	0.090	0.090	0.010	7850.0	76.302	
	Worm reducer angle support - 2 - 10mm plate	2*30	0.135	0.100	0.010	7850.0	63.586	
	Brake support - 1 - 10mm plate	1*30	0.350	0.120	0.010	7850.0	98.910	
	Brake support stiffener - 2 - 10mm plate	4*30	0.065	0.065	0.010	7850.0	39.800	
	Base plate motor - 10mm plate	1*30	0.220	0.200	0.010	7850.0	103.621	
	Base plate stiffener motor - 1 - 10mm plate	2*30	0.065	0.065	0.010	7850.0	19.900	
	Base plate stiffener motor - 2 - 10mm plate	1*30	0.100	0.054	0.010	7850.0	12.717	
	Drive unit cover Type - (12x2.5)							
	Side cover - 1 3.15 sheet	2*30	1.355	0.965	0.00315	7850.0	1939.984	
	Side cover - 2 3.15 sheet	2*30	0.965	0.820	0.00315	7850.0	1174.013	

Top cover - 1 3.15 sheet	1*30	1.400	0.820	0.00315	7850.0	851.616	
Plate on side plate - 8 mm plate	1*30	0.100	0.100	0.005	7850.0	11.776	
Plate at the opening of both side - 5mm plate	2*30	0.595	0.055	0.005	7850.0	77.068	
Plummer block support Type - (12x2.5)							
Plummer block 10mm plate	4*30	0.400	0.240	0.010	7850.0	904.320	
Plummer block support-1 - 16mm plate	4*30	0.400	0.120	0.016	7850.0	723.456	
Plummer block support-2 - 16mm plate	4*30	0.320	0.120	0.016	7850.0	578.765	
Plummer block 40mm plate	4*30	0.240	0.095	0.040	7850.0	859.104	
Plummer block 8 mm plate	4*30	0.260	0.090	0.008	7850.0	176.343	
Gear box assembly Type - (12x2.5)							
Frame extension plate-1 10mm plate	2*30	1.540	0.060	0.010	7850.0	435.204	
Frame extension plate-2 10mm plate	2*30	0.690	0.060	0.010	7850.0	194.994	
Stiffener-1 10mm plate	10*30	0.226	0.130	0.010	7850.0	691.900	
Stiffener-2 10mm plate	2*30	0.222	0.070	0.010	7850.0	73.194	
Drum support plate-1 10mm plate	8*30	0.220	0.080	0.010	7850.0	331.585	
Drum support plate-2 10mm plate	4*30	0.150	0.080	0.010	7850.0	113.040	
Drum shaft support plate-1 20mm plate	4*30	0.460	0.350	0.020	7850.0	3033.241	
Drum shaft support plate-1 20mm plate	4*30	0.280	0.100	0.020	7850.0	527.521	
Spacer OD-160, ID-76, 8mm thk	4*30	0.200	0.200	0.008	7850.0	301.441	

	Plummer block frame	4*30	0.275	0.090	0.020	7850.0	466.290	
	Plummer block frame	4*30	0.255	0.090	0.030	7850.0	648.567	
	Wheels and pinion Type-(12x2.5)							
	Wheel lock plate 15mm plate	12*10	0.025	0.070	0.015	7850.0	24.728	
	Lifting arrangement Type-(12x2.5)							
	Lifting bracket Frame- 1 12mm plate	4*30	1.030	0.590	0.012	7850.0	6869.441	
	Lifting bracket side plate-1 10mm plate	4*30	0.300	0.130	0.010	7850.0	367.380	
	Lifting bracket stiffener-1 10mm plate	6*30	0.100	0.080	0.010	7850.0	113.040	
	Lifting bracket stiffener-2 10mm plate	2*30	0.140	0.100	0.010	7850.0	65.941	
	Lifting bracket stiffener-3 10mm plate	4*30	0.100	0.100	0.010	7850.0	94.201	
	Rope guard 3.15 sheet	4*30	0.650	0.100	0.00315	7850.0	192.875	
	Pin lock plate-1 10mm plate	12*30	0.180	0.180	0.010	7850.0	915.624	
	Lock plate - 10mm plate	24*30	0.130	0.050	0.010	7850.0	367.381	
	Spacer OD-150, ID- 82, 8thk	8*30	0.150	0.150	0.008	7850.0	339.120	
	Pin cover-1 10mm plate	4*30	0.080	0.025	0.010	7850.0	18.841	
	Lifting bracket main frame-1 16mm plate	4*30	1.370	0.250	0.016	7850.0	5162.161	
	Lifting bracket main frame-2 10mm plate	2*30	1.100	0.128	0.010	7850.0	663.169	
	Lifting bracket base 10mm plate	2*30	1.050	0.400	0.010	7850.0	1978.201	
	Transverse plate lifting bracket-1 10mm plate	2*30	1.100	0.692	0.010	7850.0	3585.252	
	Transverse plate lifting bracket-2 10mm plate	2*30	1.419	0.210	0.010	7850.0	1403.533	
	Dial assembly Type-(12x2.5)							

	Base plate 8mm plate	1*30	0.450	0.300	0.008	7850.0	254.340	
	Stiffener plate-1 10mm plate	2*30	0.185	0.150	0.010	7850.0	130.703	
	Stiffener plate-2 10mm plate	1*30	0.170	0.150	0.010	7850.0	60.053	
	Shim 2mm plate	1*30	0.165	0.050	0.002	7850.0	3.886	
	Plummer block base 10mm plate	1*30	0.260	0.090	0.010	7850.0	55.108	
	Stiffener plate-1 10mm plate	2*30	0.100	0.090	0.010	7850.0	42.390	
	Stiffener plate-2 10mm plate	2*30	0.236	0.210	0.010	7850.0	233.428	
	Plate for ladder							
	Foundation plate landing leg	4*2	0.300	0.200	0.012	7850.0	45.216	
	Foundation plate ladder rail	2*2	0.400	0.200	0.012	7850.0	30.145	
	Stiffener for leg	4*2	0.150	0.100	0.008	7850.0	7.537	
	Top plate for landing leg	4*2	0.200	0.100	0.012	7850.0	15.073	
	Joint plate for top landing to hoisting girder	4*2	0.200	0.180	0.012	7850.0	27.130	
	Anchoring plate for wall support	2*2	0.400	0.400	0.012	7850.0	60.289	
	Top plate for diagonal support	2*2	0.400	0.100	0.012	7850.0	15.073	
	Dial gauge assy Type-(12x2.5)							
	Main frame-1 ISMC 100 X 50	2*30	0.880			9.2	485.760	
	Dial gauge support ISA 50 X 50 X 6	2*30	0.050			4.5	13.500	
	Gear box cover Type-(12x2.5)							
	Frame-1 ISA 35x35x5	4*30	2.400			2.6	748.801	
	Frame-2 ISA 35x35x5	4*30	0.490			2.6	152.880	
	Frame-3 ISA 35x35x5	2*30	0.836			2.6	130.416	
	Frame-4 ISA 35x35x5	4*30	0.059			2.6	18.408	

	Frame-5 ISA 35x35x5	2*30	0.096			2.6	14.976	
	Frame-6 ISA 35x35x5	2*30	0.230			2.6	35.880	
	Frame-7 ISA 35x35x5	8*30	0.420			2.6	262.080	
	Curved frame-1 50x5 flat	4*30	0.945	0.050	0.005	7850.0	222.548	
	Curved frame-2 50x5 flat	2*30	1.245	0.050	0.005	7850.0	146.599	
	Hoisting bridge Type-(12x2.5)							
	Cross girder-1 (C-6), ISMC 300 x 90	4*30	2.090			35.8	8978.640	
	Cross girder-2 (C-4), ISMC 200 x 75	2*30	2.090			22.1	2771.340	
	Cross girder-3 (C-3), ISMC 150 x 75	4*30	0.670			16.4	1318.560	
	Cross girder-4 (C-2), 150 x 75	2*30	0.989			16.4	973.176	
	Cross girder-5 (C-7), ISMC 150 x 75	13*30	2.090			16.4	13367.640	
	Cross girder-6 ISMC 150 x 75	4*30	0.979			16.4	1926.672	
	Cross support-angle ISA 65 x 65 x 6	40*30	0.100			5.8	696.000	
	Catwalk main frame ISMC 150 x 75	13*30	0.555			16.4	3549.780	
	Catwalk support angle ISA 75 x 75 x 8	15*30	0.150			8.9	600.750	
	Longitudinal support ISA 65 x 65 x 6	2*30	14.220			5.8	4948.560	
	ISA 65 x 65 x 6	1*30	1.500			5.8	261.000	
	Hand rail post ISA 50 x 50 x 6	27*30	1.250			4.5	4556.250	
	Hand rail middle 50 x 8 flat	2*30	13.635	0.050	0.008	7850.0	2568.835	
	falt	1*30	1.600	0.050	0.008	7850.0	150.721	
	Inclined support ISA 75 x 75 x 8	13*30	0.665			8.9	2308.215	
	Gear box assy Type-(12x2.5)							

Winch unit frame-1 ISMC 250 x 80	2*30	1.540			30.6	2827.441	
Winch unit frame-2 ISMC 250 x 80	2*30	0.670			30.6	1230.121	
Winch unit frame-3 ISMC 250 x 80	2*30	0.850			30.6	1560.601	
Winch unit frame-4 ISMC 250 x 80	2*30	0.453			30.6	831.709	
Winch unit frame-5 ISMC 250 x 80	2*30	0.770			30.6	1413.721	
Winch unit frame-6 ISMC 250 x 80	2*30	0.210			30.6	385.560	
Drive unit cover Type-(12x2.5)							
Frame-1 ISA 35 x 35 x 6	2*30	0.840			3.0	151.200	
Frame-2 ISA 35 x 35 x 6	2*30	0.935			3.0	168.300	
Frame-3 ISA 35 x 35 x 6	2*30	0.250			3.0	45.000	
Frame-4 ISA 35 x 35 x 6	4*30	1.000			3.0	360.000	
Frame-5 ISA 35 x 35 x 6	2*30	0.770			3.0	138.601	
Frame-6 ISA 35 x 35 x 6	2*30	1.400			3.0	252.000	
Frame-7 ISA 35 x 35 x 5	2*30	0.770			2.59	119.658	
Inspection window supporting angle ISA 35 x 35 x 6	1*30	0.850			3.0	76.500	
Drive unit Type-(12x2.5)							
Motor frame-1 ISMC 150 x 75	2*30	1.550			16.4	1525.200	
Motor frame-1 ISMC 150 x 75	2*30	0.700			16.4	688.800	
Motor frame-3 ISMC 150 x 75	1*30	0.700			16.4	344.400	

Frame of hand operating mechanism-1 ISA 75 x 75 x 8	4*30	0.800			8.9	854.401	
Frame of hand operating mechanism-2 ISA 75 x 75 x 8	2*30	0.400			8.9	213.601	
Frame of hand operating mechanism-3 ISA 75 x 75 x 8	2*30	0.500			8.9	267.000	
Worm reducer support-1 ISA 100 x 100 x 8	2*30	0.700			12.1	508.200	
Brake frame-1 ISA 75 x 75 x 8	2*30	0.700			8.9	373.800	
Motor frame-1 ISA 75 x 75 x 8	2*30	0.700			8.9	373.800	
Plummer block frame ISMC 150 x 75	1*30	0.250			16.4	123.000	
ISA 100 x 100 x 8	1*30	0.250			12.1	90.750	
MS section for ladder							
Ladder rail bottom ISMC 200 x 75	2*2	3.610			22.1	319.124	
Bottom landing frame-1 ISMC 200 x 75	5*2	1.000			22.1	221.000	
Bottom landing frame-2 ISMC 200 x 75	2*2	3.000			22.1	265.201	
Leg for bottom landing ISMC 150 x 75	4*2	2.350			16.4	308.320	
Bracing-1 ISA 75 x 75 x 8	2*2	2.000			8.9	71.200	
Bracing-2 ISA 75 x 75 x 8	2*2	0.700			8.9	24.920	
Cleat ISA 75 x 75 x 8	8*2	0.180			8.9	25.632	
Ladder rail top ISMC 200 x 75	2*2	3.450			22.1	304.980	
Top landing frame-1 ISMC 200 x 75	2*2	1.500			22.1	132.601	
Top landing frame-2 ISMC 200 x 75	2*2	2.200			22.1	194.481	

Wall support ISMC 150 x 75	2*2	2.120			16.4	139.072	
Step frame-1 ISA 40 x 40 x 6	50*2	1.350			3.5	472.500	
Step frame-2 ISA 40 x 40 x 6	50*2	0.300			3.5	105.000	
Hand rail post -1 ISA 65 X 65 X 6	19*2	1.100			5.8	242.441	
Hand rail post -2 ISA 65 X 65 X 6	3*2	1.150			5.8	40.020	
Hand rail bottom MS flat 50 x 8	1*2	23.600	0.050	0.008	7850.0	148.209	
Gate frame vertical ISA 40 x 40 x 6	2*2	0.390			3.5	5.460	
Gate frame horizontal ISA 40 x 40 x 6	2*2	1.060			3.5	14.840	
Chequered plate for ladder							
Landing platform- B o t t o m - 6 m m chequered sheet	1*2	3.000	1.000		49.2	295.201	
Landing platform-Top- 6mm chequered sheet	1*2	2.200	1.500		49.2	324.720	
Step-6mm chequered sheet	25*2	1.350	0.300		49.2	996.301	
Gate-6mm chequered sheet	1*2	1.390	1.060		49.2	144.983	
Hoisting platform Type-(12x2.5)							
MS chequered plate - 6mm	2*30	3.320	2.030		49.2	19895.300	
MS chequered plate - 6mm	4*30	0.935	0.745		49.2	4112.579	
MS chequered plate - 6mm	2*30	0.820	0.300		49.2	726.192	
MS chequered plate - 6mm	2*30	0.880	0.455		49.2	1181.981	
MS chequered plate - 6mm	1*30	2.030	2.080		49.2	6232.263	

	MS chequered plate - 6mm	1*30	2.030	1.840		49.2	5513.156		
	MS chequered plate - 6mm	1*30	14.220	0.365		49.2	7660.883		
	Hand rails NB 32								
	Hand rails of hoist bridge Type-1	2*30	15.050			3.14	2835.420		
	Hand rails of hoist bridge Type-2 side	1*30	4.100			3.14	386.220		
	Ladder hand rail	1*2	23.600			3.14	148.209		
	Type-(12x2.5)								
	Dia 12mm Rod	2*30	0.300			0.89	16.020		
	Handle-1 16mm Rod	2*2*30	0.300			1.58	56.880		
	Handle-2 16mm Rod	1*2*30	0.280			1.58	26.545		
	Handle-3 16mm Rod	1*2*30	0.400			1.58	37.920		
	Type-(12x2.5)								
	Rod 25mmx750mm W/2 Nuts	16*30				3.85	1848.000		
	Washer	16*30				0.06	28.800		
	MS Rod for ladder foundation								
	J Type anchor rod 16mm for ladder	24*2	0.310			1.58	23.511		
	Total Quantity						313698.217 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						313698.217 kg		
	Say 313698.217 kg @ Rs 77.12 / kg						Rs 24192406.50		
8	od237317/2021_2022 Painting all the exposed surfaces 2 coats of enamel paint over 1 coat of zinchromate primer as per IS 1477:1994 over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials, labour charges, cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site.								
	Hand rails NB 32								
	Hand rails of hoist bridge Type-1	2*30	15.050			0.13	117.390		
	Hand rails of hoist bridge Type-2 side	1*30	4.100			0.13	15.990		

	Ladder hand rail	1*2	23.600			0.13	6.137	
	Hoisting bridge Type - (12x2.5)							
	Longitudinal girder flange 16mm plate	4*30	14.220	0.150		2.0	511.920	
	Longitudinal girder web 10mm plate	2*30	14.200	1.200		2.0	2044.800	
	Base plate main girder 20mm plate	2*30	0.450	0.360		2.0	19.440	
	Alignment plate for base plate 10mm plate	4*30	0.450	0.360		2.0	38.880	
	Web stiffener end side 10mm plate	16*30	1.216	0.170		2.0	198.452	
	Anchoring rod end plate Dia 100 x 10 Thk	36*30	0.100	0.100		2.0	21.601	
	Plate 10 mm	2*30	0.360	0.220		2.0	9.504	
	Web stiffener - 1 - 10mm plate	8*30	0.910	0.065		2.0	28.392	
	Web stiffener - 2 - 10mm plate	4*30	1.010	0.065		2.0	15.756	
	Web stiffener - 3 - 10mm plate	28*30	1.060	0.065		2.0	115.753	
	Web stiffener - 4 - 10mm plate	40*30	1.200	0.065		2.0	187.200	
	Hand rail base support 10mm plate	14*30	0.250	0.135		2.0	28.350	
	Pulley frame 16mm plate	4*30	0.792	0.550		2.0	104.545	
	Pulley pin lock plate 10mm	8*30	0.120	0.050		2.0	2.880	
	Pulley spacer OD 180, ID 82, 8mm Thk	8*30	0.180	0.180		2.0	15.552	
	Plate connect hoist bridge, 10mm plate	2*30	0.150	0.150		2.0	2.700	
	Flat	2*30	13.635	0.050		2.0	81.810	
	Flat	1*30	1.600	0.050		2.0	4.801	
	Gear box cover Type - (12x2.5)							

Cover - 1 3. 15 sheet	2*30	2.400	0.480		2.0	138.240	
Cover - 1 3. 15 sheet	4*30	1.455	0.675		2.0	235.711	
Cover - 1 3. 15 sheet	2*30	0.310	0.210		2.0	7.812	
Sheet 5 mm	1*30	0.096	0.035		2.0	0.202	
Flat	2*30	0.945	0.050		2.0	5.670	
Flat	1*30	1.245	0.050		2.0	3.736	
Drive unit Type - (12x2.5)							
Worm reducer base - 1 - 10mm plate	1*30	0.375	0.300		2.0	6.750	
Worm reducer angle support - 1 - 10mm plate	4*30	0.090	0.090		2.0	1.944	
Worm reducer angle support - 2 - 10mm plate	2*30	0.135	0.100		2.0	1.620	
Brake support - 1 - 10mm plate	1*30	0.350	0.120		2.0	2.520	
Brake support stiffener - 2 - 10mm plate	4*30	0.065	0.065		2.0	1.014	
Base plate motor - 10mm plate	1*30	0.220	0.200		2.0	2.640	
Base plate stiffener motor - 1 - 10mm plate	2*30	0.065	0.065		2.0	0.507	
Base plate stiffener motor - 2 - 10mm plate	1*30	0.100	0.054		2.0	0.324	
Drive unit cover Type - (12x2.5)							
Side cover - 1 3.15 sheet	2*30	1.355	0.965		2.0	156.909	
Side cover - 2 3.15 sheet	2*30	0.965	0.820		2.0	94.956	
Top cover - 1 3.15 sheet	1*30	1.400	0.820		2.0	68.880	
Plate on side plate - 8 mm plate	1*30	0.100	0.100		2.0	0.601	
Plate at the opening of both side - 5mm plate	2*30	0.595	0.055		2.0	3.927	

Plummer block support Type - (12x2.5)								
Plummer block 10mm plate	4*30	0.400	0.240		2.0	23.040		
Plummer block support-1 - 16mm plate	4*30	0.400	0.120		2.0	11.520		
Plummer block support-2 - 16mm plate	4*30	0.320	0.120		2.0	9.216		
Plummer block 40mm plate	4*30	0.240	0.095		2.0	5.472		
Plummer block 8 mm plate	4*30	0.260	0.090		2.0	5.617		
Gear box assembly Type - (12x2.5)								
Frame extension plate-1 10mm plate	2*30	1.540	0.060		2.0	11.088		
Frame extension plate-2 10mm plate	2*30	0.690	0.060		2.0	4.968		
Stiffener-1 10mm plate	10*30	0.226	0.130		2.0	17.629		
Stiffener-2 10mm plate	2*30	0.222	0.070		2.0	1.865		
Drum support plate-1 10mm plate	8*30	0.220	0.080		2.0	8.448		
Drum support plate-2 10mm plate	4*30	0.150	0.080		2.0	2.880		
Drum shaft support plate-1 20mm plate	4*30	0.460	0.350		2.0	38.640		
Drum shaft support plate-1 20mm plate	4*30	0.280	0.100		2.0	6.721		
Spacer OD-160, ID-76, 8mm thk	4*30	0.200	0.200		2.0	9.601		
Plummer block frame	4*30	0.275	0.090		2.0	5.940		
Plummer block frame	4*30	0.255	0.090		2.0	5.508		
Wheels and pinion Type-(12x2.5)								
Wheel lock plate 15mm plate	12*10	0.025	0.070		2.0	0.421		
Lifting arrangement Type-(12x2.5)								

Lifting bracket Frame-1 12mm plate	4*30	1.030	0.590		2.0	145.848	
Lifting bracket side plate-1 10mm plate	4*30	0.300	0.130		2.0	9.360	
Lifting bracket stiffener-1 10mm plate	6*30	0.100	0.080		2.0	2.880	
Lifting bracket stiffener-2 10mm plate	2*30	0.140	0.100		2.0	1.681	
Lifting bracket stiffener-3 10mm plate	4*30	0.100	0.100		2.0	2.401	
Rope guard 3.15 sheet	4*30	0.650	0.100		2.0	15.601	
Pin lock plate-1 10mm plate	12*30	0.180	0.180		2.0	23.328	
Lock plate - 10mm plate	24*30	0.130	0.050		2.0	9.361	
Spacer OD-150, ID-82, 8thk	8*30	0.150	0.150		2.0	10.800	
Pin cover-1 10mm plate	4*30	0.080	0.025		2.0	0.480	
Lifting bracket main frame-1 16mm plate	4*30	1.370	0.250		2.0	82.200	
Lifting bracket main frame-2 10mm plate	2*30	1.100	0.128		2.0	16.896	
Lifting bracket base 10mm plate	2*30	1.050	0.400		2.0	50.401	
Transverse plate lifting bracket-1 10mm plate	2*30	1.100	0.692		2.0	91.344	
Transverse plate lifting bracket-2 10mm plate	2*30	1.419	0.210		2.0	35.759	
Dial assembly Type-(12x2.5)							
Base plate 8mm plate	1*30	0.450	0.300		2.0	8.101	
Stiffener plate-1 10mm plate	2*30	0.185	0.150		2.0	3.330	
Stiffener plate-2 10mm plate	1*30	0.170	0.150		2.0	1.530	
Shim 2mm plate	1*30	0.165	0.050		2.0	0.495	

	Plummer block base 10mm plate	1*30	0.260	0.090		2.0	1.405	
	Stiffener plate-1 10mm plate	2*30	0.100	0.090		2.0	1.080	
	Stiffener plate-2 10mm plate	2*30	0.236	0.210		2.0	5.948	
	Plate for ladder							
	Foundation plate landing leg	4*2	0.300	0.200		2.0	0.960	
	Foundation plate ladder rail	2*2	0.400	0.200		2.0	0.641	
	Stiffener for leg	4*2	0.150	0.100		2.0	0.240	
	Top plate for landing leg	4*2	0.200	0.100		2.0	0.321	
	Joint plate for top landing to hoisting girder	4*2	0.200	0.180		2.0	0.576	
	Anchoring plate for wall support	2*2	0.400	0.400		2.0	1.281	
	Top plate for diagonal support	2*2	0.400	0.100		2.0	0.321	
	Dial gauge assy Type-(12x2.5)							
	Main frame-1 ISMC 100 X 50	2*30	0.880			0.4	21.120	
	Dial gauge support ISA 50 X 50 X 6	2*30	0.050			0.2	0.601	
	Gear box cover Type-(12x2.5)							
	Frame-1 ISA 35x35x5	4*30	2.400			0.14	40.321	
	Frame-2 ISA 35x35x5	4*30	0.490			0.14	8.233	
	Frame-3 ISA 35x35x5	2*30	0.836			0.14	7.023	
	Frame-4 ISA 35x35x5	4*30	0.059			0.14	0.992	
	Frame-5 ISA 35x35x5	2*30	0.096			0.14	0.807	
	Frame-6 ISA 35x35x5	2*30	0.230			0.14	1.933	
	Frame-7 ISA 35x35x5	8*30	0.420			0.14	14.112	
	Curved frame-1 50x5 flat	4*30	0.945	0.050		2.0	11.340	

	Curved frame-2 50x5 flat	2*30	1.245	0.050		2.0	7.471	
	Hoisting bridge Type-(12x2.5)							
	Cross girder-1 (C-6), ISMC 300 x 90	4*30	2.090			0.96	240.768	
	Cross girder-2 (C-4), ISMC 200 x 75	2*30	2.090			0.7	87.780	
	Cross girder-3 (C-3), ISMC 150 x 75	4*30	0.670			0.6	48.240	
	Cross girder-4 (C-2), 150 x 75	2*30	0.989			0.6	35.604	
	Cross girder-5 (C-7), ISMC 150 x 75	13*30	2.090			0.6	489.060	
	Cross girder-6 ISMC 150 x 75	4*30	0.979			0.6	70.488	
	Cross support-angle ISA 65 x 65 x 6	40*30	0.100			0.26	31.201	
	Catwalk main frame ISMC 150 x 75	13*30	0.555			0.6	129.870	
	Catwalk support angle ISA 75 x 75 x 8	15*30	0.150			0.3	20.250	
	Longitudinal support ISA 65 x 65 x 6	2*30	14.220			0.26	221.833	
	ISA 65 x 65 x 6	1*30	1.500			0.26	11.701	
	Hand rail post ISA 50 x 50 x 6	27*30	1.250			0.3	303.750	
	Hand rail middle 50 x 8 flat	2*30	13.635	0.050		2.0	81.810	
	falt	1*30	1.600	0.050		2.0	4.801	
	Inclined support ISA 75 x 75 x 8	13*30	0.665			0.3	77.805	
	Gear box assy Type-(12x2.5)							
	Winch unit frame-1 ISMC 250 x 80	2*30	1.540			0.82	75.768	
	Winch unit frame-2 ISMC 250 x 80	2*30	0.670			0.82	32.964	
	Winch unit frame-3 ISMC 250 x 80	2*30	0.850			0.82	41.820	

Winch unit frame-4 ISMC 250 x 80	2*30	0.453			0.82	22.288	
Winch unit frame-5 ISMC 250 x 80	2*30	0.770			0.82	37.884	
Winch unit frame-6 ISMC 250 x 80	2*30	0.210			0.82	10.332	
Drive unit cover Type-(12x2.5)							
Frame-1 ISA 35 x 35 x 6	2*30	0.840			0.14	7.056	
Frame-2 ISA 35 x 35 x 6	2*30	0.935			0.14	7.855	
Frame-3 ISA 35 x 35 x 6	2*30	0.250			0.14	2.100	
Frame-4 ISA 35 x 35 x 6	4*30	1.000			0.14	16.800	
Frame-5 ISA 35 x 35 x 6	2*30	0.770			0.14	6.469	
Frame-6 ISA 35 x 35 x 6	2*30	1.400			0.14	11.761	
Frame-7 ISA 35 x 35 x 5	2*30	0.770			0.14	6.469	
Inspection window supporting angle ISA 35 x 35 x 6	1*30	0.850			0.14	3.571	
Drive unit Type-(12x2.5)							
Motor frame-1 ISMC 150 x 75	2*30	1.550			0.6	55.800	
Motor frame-1 ISMC 150 x 75	2*30	0.700			0.6	25.200	
Motor frame-3 ISMC 150 x 75	1*30	0.700			0.6	12.600	
Frame of hand operating mechanism- 1 ISA 75 x 75 x 8	4*30	0.800			0.3	28.800	
Frame of hand operating mechanism- 2 ISA 75 x 75 x 8	2*30	0.400			0.3	7.200	

Frame of hand operating mechanism-3 ISA 75 x 75 x 8	2*30	0.500			0.3	9.000	
Worm reducer support-1 ISA 100 x 100 x 8	2*30	0.700			0.4	16.800	
Brake frame-1 ISA 75 x 75 x 8	2*30	0.700			0.3	12.600	
Motor frame-1 ISA 75 x 75 x 8	2*30	0.700			0.3	12.600	
Plummer block frame ISMC 150 x 75	1*30	0.250			0.6	4.500	
ISA 100 x 100 x 8	1*30	0.250			0.4	3.000	
MS section for ladder							
Ladder rail bottom ISMC 200 x 75	2*2	3.610			0.7	10.108	
Bottom landing frame-1 ISMC 200 x 75	5*2	1.000			0.7	7.000	
Bottom landing frame-2 ISMC 200 x 75	2*2	3.000			0.7	8.400	
Leg for bottom landing ISMC 150 x 75	4*2	2.350			0.6	11.280	
Bracing-1 ISA 75 x 75 x 8	2*2	2.000			0.3	2.400	
Bracing-2 ISA 75 x 75 x 8	2*2	0.700			0.3	0.840	
Cleat ISA 75 x 75 x 8	8*2	0.180			0.3	0.864	
Ladder rail top ISMC 200 x 75	2*2	3.450			0.7	9.660	
Top landing frame-1 ISMC 200 x 75	2*2	1.500			0.7	4.200	
Top landing frame-2 ISMC 200 x 75	2*2	2.200			0.7	6.160	
Wall support ISMC 150 x 75	2*2	2.120			0.6	5.088	
Step frame-1 ISA 40 x 40 x 6	50*2	1.350			0.2	27.000	

	Step frame-2 ISA 40 x 40 x 6	50*2	0.300			0.2	6.000	
	Hand rail post -1 ISA 65 X 65 X 6	19*2	1.100			0.26	10.869	
	Hand rail post -2 ISA 65 X 65 X 6	3*2	1.150			0.26	1.794	
	Hand rail bottom MS flat 50 x 8	1*2	23.600	0.050		2.0	4.721	
	Gate frame vertical ISA 40 x 40 x 6	2*2	0.390			0.2	0.313	
	Gate frame horizontal ISA 40 x 40 x 6	2*2	1.060			0.2	0.849	
	Chequered plate for ladder							
	Landing platform-Bottom - 6 mm chequered sheet	1*2	3.000	1.000		2.0	12.000	
	Landing platform-Top-6mm chequered sheet	1*2	2.200	1.500		2.0	13.201	
	Step-6mm chequered sheet	25*2	1.350	0.300		2.0	40.500	
	Gate-6mm chequered sheet	1*2	1.390	1.060		2.0	5.894	
	Hoisting platform Type (12x2.5)							
	MS chequered plate - 6mm	2*30	3.320	2.030		2.0	808.752	
	MS chequered plate - 6mm	4*30	0.935	0.745		2.0	167.179	
	MS chequered plate - 6mm	2*30	0.820	0.300		2.0	29.520	
	MS chequered plate - 6mm	2*30	0.880	0.455		2.0	48.048	
	MS chequered plate - 6mm	1*30	2.030	2.080		2.0	253.344	
	MS chequered plate - 6mm	1*30	2.030	1.840		2.0	224.112	
	MS chequered plate - 6mm	1*30	14.220	0.365		2.0	311.418	
	Type-(12x2.5)							

	Dia 12mm Rod	2*30	0.300			0.89	16.020		
	Handle-1 16mm Rod	2*2*30	0.300			1.58	56.880		
	Handle-2 16mm Rod	1*2*30	0.280			1.58	26.545		
	Handle-3 16mm Rod	1*2*30	0.400			1.58	37.920		
	Type-(12x2.5)								
	Rod 25mmx750mm W/2 Nuts	16*30				0.16	76.800		
	Washer	16*30				0.06	28.800		
	MS Rod for ladder foundation								
	J Type anchor rod 16mm for ladder	24*2	0.310			0.1	1.488		
	Total Quantity						9715.077 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						9715.077 sqm		
	Say 9715.077 sqm @ Rs 628.15 / sqm						Rs 6102525.62		
9	85.136 Erection of the hoisting bridge unit including handrails , ladder and platform etc. in correct alignment and anchoring it ; setting and aligning the covers of the hoisting unit etc complete including cost of all labour, machinery, incidental and conveyance , lead and lift charges etc complete but excluding cost of materials already supplied								
	Type- (12x2.5)								
	M16x80 Bolts W/nuts	8*30				0.18	43.200		
	M16x50 Bolts W/nuts	84*30				0.14	352.800		
	M16x60 Bolts W/nuts	8*30				0.15	36.000		
	M16x60 Bolts W/nuts	8*30				0.06	14.400		
	M20x100 Bolts W/nuts	4*30				0.36	43.200		
	M12x65 Bolts W/nuts	6*30				0.09	16.200		
	M20x100 Bolts W/nuts	12*30				0.36	129.600		
	M12x60 Bolts W/nuts	20*30				0.08	48.000		
	M16x120 Bolts W/nuts	8*2*30				0.25	120.000		
	M16x40 Bolts W/nuts	16*2*30				0.12	115.200		
	M8 Hex screw	8*2*30				0.02	9.600		
	M12x40 Bolts W/nuts	16*2*30				0.06	57.600		
	M16x55 Bolts W/nuts	4*30				0.15	18.000		
	M16x70 Bolts W/nuts	6*2*30				0.17	61.200		

M6x25 screw	8*30					0.01	2.400	
M16x40 Bolts W/nuts	48*30					0.12	172.800	
Washer	360*30					0.01	108.000	
Hoisting bridge Type - (12x2.5)								
Longitudinal girder flange 16mm plate	4*30	14.220	0.150	0.016	7850.0	32148.576		
Longitudinal girder web 10mm plate	2*30	14.200	1.200	0.010	7850.0	80258.401		
Base plate main girder 20mm plate	2*30	0.450	0.360	0.020	7850.0	1526.041		
Alignment plate for base plate 10mm plate	4*30	0.450	0.360	0.010	7850.0	1526.041		
Web stiffener end side 10mm plate	16*30	1.216	0.170	0.010	7850.0	7789.210		
Anchoring rod end plate Dia 100 x 10 Thk	36*30	0.100	0.100	0.010	7850.0	847.801		
Plate 10 mm	2*30	0.360	0.220	0.010	7850.0	373.032		
Web stiffener - 1 - 10mm plate	8*30	0.910	0.065	0.010	7850.0	1114.386		
Web stiffener - 2 - 10mm plate	4*30	1.010	0.065	0.010	7850.0	618.423		
Web stiffener - 3 - 10mm plate	28*30	1.060	0.065	0.010	7850.0	4543.267		
Web stiffener - 4 - 10mm plate	40*30	1.200	0.065	0.010	7850.0	7347.600		
Hand rail base support 10mm plate	14*30	0.250	0.135	0.010	7850.0	1112.738		
Pulley frame 16mm plate	4*30	0.792	0.550	0.016	7850.0	6565.364		
Pulley pin lock plate 10mm	8*30	0.120	0.050	0.010	7850.0	113.040		
Pulley spacer OD 180, ID 82, 8mm Thk	8*30	0.180	0.180	0.008	7850.0	488.333		
Plate connect hoist bridge, 10mm plate	2*30	0.150	0.150	0.010	7850.0	105.975		
Flat	2*30	13.635	0.050	0.008	7850.0	2568.835		

	Flat	1*30	1.600	0.050	0.008	7850.0	150.721	
	Gear box cover Type - (12x2.5)							
	Cover - 1 3. 15 sheet	2*30	2.400	0.480	0.00315	7850.0	1709.165	
	Cover - 1 3. 15 sheet	4*30	1.455	0.675	0.00315	7850.0	2914.260	
	Cover - 1 3. 15 sheet	2*30	0.310	0.210	0.00315	7850.0	96.586	
	Sheet 5 mm	1*30	0.096	0.035	0.005	7850.0	3.957	
	Flat	2*30	0.945	0.050	0.005	7850.0	111.274	
	Flat	1*30	1.245	0.050	0.005	7850.0	73.300	
	Drive unit Type (12x2.5)							
	Worm reducer base - 1 - 10mm plate	1*30	0.375	0.300	0.010	7850.0	264.938	
	Worm reducer angle support - 1 - 10mm plate	4*30	0.090	0.090	0.010	7850.0	76.302	
	Worm reducer angle support - 2 - 10mm plate	2*30	0.135	0.100	0.010	7850.0	63.586	
	Brake support - 1 - 10mm plate	1*30	0.350	0.120	0.010	7850.0	98.910	
	Brake support stiffener - 2 - 10mm plate	4*30	0.065	0.065	0.010	7850.0	39.800	
	Base plate motor - 10mm plate	1*30	0.220	0.200	0.010	7850.0	103.621	
	Base plate stiffener motor - 1 - 10mm plate	2*30	0.065	0.065	0.010	7850.0	19.900	
	Base plate stiffener motor - 2 - 10mm plate	1*30	0.100	0.054	0.010	7850.0	12.717	
	Drive unit cover Type - (12x2.5)							
	Side cover - 1 3.15 sheet	2*30	1.355	0.965	0.00315	7850.0	1939.984	
	Side cover - 2 3.15 sheet	2*30	0.965	0.820	0.00315	7850.0	1174.013	
	Top cover - 1 3.15 sheet	1*30	1.400	0.820	0.00315	7850.0	851.616	

	Plate on side plate - 8 mm plate	1*30	0.100	0.100	0.008	7850.0	18.841	
	Plate at the opening of both side - 5mm plate	2*30	0.595	0.055	0.005	7850.0	77.068	
	Plummer block support Type - (12x2.5)							
	Plummer block 10mm plate	4*30	0.400	0.240	0.010	7850.0	904.320	
	Plummer block support-1 - 16mm plate	4*30	0.400	0.120	0.016	7850.0	723.456	
	Plummer block support-2 - 16mm plate	4*30	0.320	0.120	0.016	7850.0	578.765	
	Plummer block 40mm plate	4*30	0.240	0.095	0.040	7850.0	859.104	
	Plummer block 8 mm plate	4*30	0.260	0.090	0.008	7850.0	176.343	
	Gear box assembly Type - (12x2.5)							
	Frame extension plate-1 10mm plate	2*30	1.540	0.060	0.010	7850.0	435.204	
	Frame extension plate-2 10mm plate	2*30	0.690	0.060	0.010	7850.0	194.994	
	Stiffener-1 10mm plate	10*30	0.226	0.130	0.010	7850.0	691.900	
	Stiffener-2 10mm plate	2*30	0.222	0.070	0.010	7850.0	73.194	
	Drum support plate-1 10mm plate	8*30	0.220	0.080	0.010	7850.0	331.585	
	Drum support plate-2 10mm plate	4*30	0.150	0.080	0.010	7850.0	113.040	
	Drum shaft support plate-1 20mm plate	4*30	0.460	0.350	0.020	7850.0	3033.241	
	Drum shaft support plate-1 20mm plate	4*30	0.280	0.100	0.020	7850.0	527.521	
	Spacer OD-160, ID-76, 8mm thk	4*30	0.200	0.200	0.008	7850.0	301.441	
	Plummer block frame	4*30	0.275	0.090	0.020	7850.0	466.290	
	Plummer block frame	4*30	0.255	0.090	0.030	7850.0	648.567	

Wheels and pinion Type- (12x2.5)								
Wheel lock plate 15mm plate	12*10	0.025	0.070	0.015	7850.0	24.728		
Lifting arrangement Type- (12x2.5)								
Lifting bracket Frame- 1 12mm plate	4*30	1.030	0.590	0.012	7850.0	6869.441		
Lifting bracket side plate-1 10mm plate	4*30	0.300	0.130	0.012	7850.0	440.856		
Lifting bracket stiffener-1 10mm plate	6*30	0.100	0.080	0.010	7850.0	113.040		
Lifting bracket stiffener-2 10mm plate	2*30	0.140	0.100	0.010	7850.0	65.941		
Lifting bracket stiffener-3 10mm plate	4*30	0.100	0.100	0.010	7850.0	94.201		
Rope guard 3.15 sheet	4*30	0.650	0.100	0.00315	7850.0	192.875		
Pin lock plate-1 10mm plate	12*30	0.180	0.180	0.010	7850.0	915.624		
Lock plate - 10mm plate	24*30	0.130	0.050	0.010	7850.0	367.381		
Spacer OD-150, ID- 82, 8thk	8*30	0.150	0.150	0.008	7850.0	339.120		
Pin cover-1 10mm plate	4*30	0.080	0.025	0.010	7850.0	18.841		
Lifting bracket main frame-1 16mm plate	4*30	1.370	0.250	0.016	7850.0	5162.161		
Lifting bracket main frame-2 10mm plate	2*30	1.100	0.128	0.010	7850.0	663.169		
Lifting bracket base 10mm plate	2*30	1.050	0.400	0.010	7850.0	1978.201		
Transverse plate lifting bracket-1 10mm plate	2*30	1.100	0.692	0.010	7850.0	3585.252		
Transverse plate lifting bracket-2 10mm plate	2*30	1.419	0.210	0.010	7850.0	1403.533		
Dial assembly Type-(12x2.5)								
Base plate 8mm plate	1*30	0.450	0.300	0.008	7850.0	254.340		
Stiffener plate-1 10mm plate	2*30	0.185	0.150	0.010	7850.0	130.703		

	Stiffener plate-2 10mm plate	1*30	0.170	0.150	0.010	7850.0	60.053	
	Shim 2mm plate	1*30	0.165	0.050	0.002	7850.0	3.886	
	Plummer block base 10mm plate	1*30	0.260	0.090	0.010	7850.0	55.108	
	Stiffener plate-1 10mm plate	2*30	0.100	0.090	0.010	7850.0	42.390	
	Stiffener plate-2 10mm plate	2*30	0.236	0.210	0.010	7850.0	233.428	
	Plate for ladder							
	Foundation plate landing leg	4*2	0.300	0.200	0.012	7850.0	45.216	
	Foundation plate ladder rail	2*2	0.400	0.200	0.012	7850.0	30.145	
	Stiffener for leg	4*2	0.150	0.100	0.008	7850.0	7.537	
	Top plate for landing leg	4*2	0.200	0.100	0.012	7850.0	15.073	
	Joint plate for top landing to hoisting girder	4*2	0.200	0.180	0.012	7850.0	27.130	
	Anchoring plate for wall support	2*2	0.400	0.400	0.012	7850.0	60.289	
	Top plate for diagonal support	2*2	0.400	0.100	0.012	7850.0	15.073	
	Dial gauge assy Type-(12x2.5)							
	Main frame-1 ISMC 100 X 50	2*30	0.880			9.2	485.760	
	Dial gauge support ISA 50 X 50 X 6	2*30	0.050			4.5	13.500	
	Gear box cover Type-(12x2.5)							
	Frame-1 ISA 35x35x5	4*30	2.400			2.6	748.801	
	Frame-2 ISA 35x35x5	4*30	0.490			2.6	152.880	
	Frame-3 ISA 35x35x5	2*30	0.836			2.6	130.416	
	Frame-4 ISA 35x35x5	4*30	0.059			2.6	18.408	
	Frame-5 ISA 35x35x5	2*30	0.096			2.6	14.976	
	Frame-6 ISA 35x35x5	2*30	0.230			2.6	35.880	
	Frame-7 ISA 35x35x5	8*30	0.420			2.6	262.080	

	Curved frame-1 50x5 flat	4*30	0.945	0.050	0.005	7850.0	222.548	
	Curved frame-2 50x5 flat	2*30	1.245	0.050	0.005	7850.0	146.599	
	Hoisting bridge Type-(12x2.5)							
	Cross girder-1 (C-6), ISMC 300 x 90	4*30	2.090			35.8	8978.640	
	Cross girder-2 (C-4), ISMC 200 x 75	2*30	2.090			22.1	2771.340	
	Cross girder-3 (C-3), ISMC 150 x 75	4*30	0.670			16.4	1318.560	
	Cross girder-4 (C-2), 150 x 75	2*30	0.989			16.4	973.176	
	Cross girder-5 (C-7), ISMC 150 x 75	13*30	2.090			16.4	13367.640	
	Cross girder-6 ISMC 150 x 75	4*30	0.979			16.4	1926.672	
	Cross support-angle ISA 65 x 65 x 6	40*30	0.100			5.8	696.000	
	Catwalk main frame ISMC 150 x 75	13*30	0.555			16.4	3549.780	
	Catwalk support angle ISA 75 x 75 x 8	15*30	0.150			8.9	600.750	
	Longitudinal support ISA 65 x 65 x 6	2*30	14.220			5.8	4948.560	
	ISA 65 x 65 x 6	1*30	1.500			5.8	261.000	
	Hand rail post ISA 50 x 50 x 6	27*30	1.250			4.5	4556.250	
	Hand rail middle 50 x 8 flat	2*30	13.635	0.050	0.008	7850.0	2568.835	
	falt	1*30	1.600	0.050	0.008	7850.0	150.721	
	Inclined support ISA 75 x 75 x 8	13*30	0.665			8.9	2308.215	
	Gear box assy Type-(12x2.5)							
	Winch unit frame-1 ISMC 250 x 80	2*30	1.540			30.6	2827.441	
	Winch unit frame-2 ISMC 250 x 80	2*30	0.670			30.6	1230.121	

Winch unit frame-3 ISMC 250 x 80	2*30	0.850			30.6	1560.601	
Winch unit frame-4 ISMC 250 x 80	2*30	0.453			30.6	831.709	
Winch unit frame-5 ISMC 250 x 80	2*30	0.770			30.6	1413.721	
Winch unit frame-6 ISMC 250 x 80	2*30	0.210			30.6	385.560	
Drive unit cover Type-1 (12.69x3.65)							
Frame-1 ISA 35 x 35 x 6	2*30	0.840			3.0	151.200	
Frame-2 ISA 35 x 35 x 6	2*30	0.935			3.0	168.300	
Frame-3 ISA 35 x 35 x 6	2*30	0.250			3.0	45.000	
Frame-4 ISA 35 x 35 x 6	4*30	1.000			3.0	360.000	
Frame-5 ISA 35 x 35 x 6	2*30	0.770			3.0	138.601	
Frame-6 ISA 35 x 35 x 6	2*30	1.400			3.0	252.000	
Frame-7 ISA 35 x 35 x 5	2*30	0.770			2.59	119.658	
Inspection window supporting angle ISA 35 x 35 x 6	1*30	0.850			3.0	76.500	
Drive unit Type-1 (12.69x3.65)							
Motor frame-1 ISMC 150 x 75	2*30	1.550			16.4	1525.200	
Motor frame-1 ISMC 150 x 75	2*30	0.700			16.4	688.800	
Motor frame-3 ISMC 150 x 75	1*30	0.700			16.4	344.400	
Frame of hand operating mechanism- 1 ISA 75 x 75 x 8	4*30	0.800			8.9	854.401	
Frame of hand operating mechanism- 2 ISA 75 x 75 x 8	2*30	0.400			8.9	213.601	

Frame of hand operating mechanism-3 ISA 75 x 75 x 8	2*30	0.500			8.9	267.000	
Worm reducer support-1 ISA 100 x 100 x 8	2*30	0.700			12.1	508.200	
Brake frame-1 ISA 75 x 75 x 8	2*30	0.700			8.9	373.800	
Motor frame-1 ISA 75 x 75 x 8	2*30	0.700			8.9	373.800	
Plummer block frame ISMC 150 x 75	1*30	0.250			16.4	123.000	
ISA 100 x 100 x 8	1*30	0.250			12.1	90.750	
MS section for ladder							
Ladder rail bottom ISMC 200 x 75	2*2	3.610			22.1	319.124	
Bottom landing frame-1 ISMC 200 x 75	5*2	1.000			22.1	221.000	
Bottom landing frame-2 ISMC 200 x 75	2*2	3.000			22.1	265.201	
Leg for bottom landing ISMC 150 x 75	4*2	2.350			16.4	308.320	
Bracing-1 ISA 75 x 75 x 8	2*2	2.000			8.9	71.200	
Bracing-2 ISA 75 x 75 x 8	2*2	0.700			8.9	24.920	
Cleat ISA 75 x 75 x 8	8*2	0.180			8.9	25.632	
Ladder rail top ISMC 200 x 75	2*2	3.450			22.1	304.980	
Top landing frame-1 ISMC 200 x 75	2*2	1.500			22.1	132.601	
Top landing frame-2 ISMC 200 x 75	2*2	2.200			22.1	194.481	
Wall support ISMC 150 x 75	2*2	2.120			16.4	139.072	
Step frame-1 ISA 40 x 40 x 6	50*2	1.350			3.5	472.500	

Step frame-2 ISA 40 x 40 x 6	50*2	0.300			3.5	105.000	
Hand rail post -1 ISA 65 X 65 X 6	19*2	1.100			5.8	242.441	
Hand rail post -2 ISA 65 X 65 X 6	3*2	1.150			5.8	40.020	
Hand rail bottom MS flat 50 x 8	1*2	23.600	0.050	0.008	7850.0	148.209	
Gate frame vertical ISA 40 x 40 x 6	2*2	0.390			3.5	5.460	
Gate frame horizontal ISA 40 x 40 x 6	2*2	1.060			3.5	14.840	
Chequered plate for ladder							
Landing platform-Bottom - 6 m m chequered sheet	1*2	3.000	1.000		49.2	295.201	
Landing platform-Top-6mm chequered sheet	1*2	2.200	1.500		49.2	324.720	
Step-6mm chequered sheet	25*2	1.350	0.300		49.2	996.301	
Gate-6mm chequered sheet	1*2	1.390	1.060		49.2	144.983	
Hoisting platform Type-(12x2.5)							
MS chequered plate - 6mm	2*30	3.320	2.030		49.2	19895.300	
MS chequered plate - 6mm	4*30	0.935	0.745		49.2	4112.579	
MS chequered plate - 6mm	2*30	0.820	0.300		49.2	726.192	
MS chequered plate - 6mm	2*30	0.880	0.455		49.2	1181.981	
MS chequered plate - 6mm	1*30	2.030	2.080		49.2	6232.263	
MS chequered plate - 6mm	1*30	2.030	1.840		49.2	5513.156	
MS chequered plate - 6mm	1*30	14.220	0.365		49.2	7660.883	
Hand rails NB 32							

	Hand rails of hoist bridge Type-1	2*30	15.050			3.14	2835.420		
	Hand rails of hoist bridge Type-2 side	1*30	4.100			3.14	386.220		
	Ladder hand rail	1*2	23.600			3.14	148.209		
	Type-(12x2.5)								
	Dia 12mm Rod	2*30	0.300			0.89	16.020		
	Handle-1 16mm Rod	2*2*30	0.300			1.58	56.880		
	Handle-2 16mm Rod	1*2*30	0.280			1.58	26.545		
	Handle-3 16mm Rod	1*2*30	0.400			1.58	37.920		
	Type-(12x2.5)								
	Rod 25mmx750mm W/2 Nuts	16*30				3.85	1848.000		
	Washer	16*30				0.06	28.800		
	MS Rod for ladder foundation								
	J Type anchor rod 16mm for ladder	24*2	0.310			1.58	23.511		
	Total Quantity							315126.958 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							315126.958 kg	
	Say 315126.958 kg @ Rs 3.88 / kg							Rs 1222692.60	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
11 F 5 - Supplying, stacking, erecting and trial run of rope drum hoisting unit									
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel								
	Type- (12x2.5)								
	60mm Dia Line shaft	2*30	3.765			22.18	5010.462		
	Total Quantity							5010.462 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							5010.462 kg	
	Say 5010.462 kg @ Rs 128.95 / kg							Rs 646099.07	
2	od224230/2019_2020 Cost of supplying and stacking 20mm tested ungalvanised steel wire rope 6/36 construction, fibre core, UTS 180KG/mm2 having breaking capacity 23853Kg tensile designation of 1770 confirming to IS 2266-1989								

Type (12x2.5M)							
	20mm dia wire rope 2 unit	2*30	70.000				4200.000
	Total Quantity						4200.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						4200.000 metre
	Say 4200.000 metre @ Rs 309.77 / metre						Rs 1301034.00
3	od245280/2021_2022 Supplying and stacking of 15 Tonne capacity rope drum hoisting unit having 8 m lift at a hoisting speed of about 0.4 m/min(+/-10%) through pulley arrangements with two numbers of falls on either side with 20mm tested ungalvanized wire rope 6/36 construction, fibre core having breaking capacity 26402 kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 3HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of line shaft, including cost of electro magnetic thruster brake assembly manual operating systems, electrical accessories like DOL starters, limit switch, main switches and other safety equipments as per drawings specifications and statutory requirements etc complete but excluding cost of wire rope.						
	For Type (12x2.5)						
	20T Hoist 30 nos	1*30					30.000
	Total Quantity						30.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						30.000 set
	Say 30.000 set @ Rs 738917.89 / set						Rs 22167536.70
4	od224250/2019_2020 Providing DIAL ASSEMBLY						
	For 30 Nos Shutter						
	Dial gauge assembly	1*30					30.000
	Total Quantity						30.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						30.000 set
	Say 30.000 set @ Rs 28732.84 / set						Rs 861985.20
5	od224254/2019_2020 Supply of Plummer Block SNA 512 TC to suit for 60mm dia Line shaft with 1212 K Bearing + H312 adapter sleeve						
	SNA 512 Plummer Block						
	Type (12x2.5)	4*30					120.000
	Total Quantity						120.000 no

							Total Deducted Quantity	0.000 no
							Net Total Quantity	120.000 no
							Say 120.000 no @ Rs 6121.11 / no	Rs 734533.20
6	85.125 Conveying and erecting in position the already supplied rope drum hoisting units (15T/ 20T/25T/30T) capacity on the hoisting bridge and correcting the alignment as far as possible manually as per the direction of departmental officer at site including cost of all labour, machinery, lead and lift and all incidental and conveyance charges etc complete							
For hoisting unit								
	For 30 Nos hoisting unit	1*30					30.000	
							Total Quantity	30.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	30.000 no
							Say 30.000 no @ Rs 73705.54 / no	Rs 2211166.20
7	85.135 Conveying and Fixing wire rope already supplied to the new gates and Hoisting unit safely and conducting Trial run							
For hoisting unit								
	For 30 Nos hoisting unit	1*30					30.000	
							Total Quantity	30.000 set
							Total Deducted Quantity	0.000 set
							Net Total Quantity	30.000 set
							Say 30.000 set @ Rs 24162.46 / set	Rs 724873.80
SI No	Description	No	L	B	D	CF	Quantity	Remark
12 APPENDIX G-GENERATOR CUM WATCHMAN ROOM								
1	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil							
	footing	9	1.600	1.600	1.000		23.041	
							Total Quantity	23.041 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	23.041 cum
							Say 23.041 cum @ Rs 298.80 / cum	Rs 6884.65

2	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil							
	site levelling	1	10.000	8.000	1.500		120.000	
	Total Quantity						120.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						120.000 cum	
	Say 120.000 cum @ Rs 215.37 / cum						Rs 25844.40	
3	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)							
	column footing	9	1.400	1.400	0.150		2.646	
	rooms floor	1	8.100	3.400	0.100		2.754	
		1	3.200	4.400	0.100		1.409	
	plinth beam long wall	3	4.400	0.200	0.100		0.265	
		2	3.700	0.200	0.100		0.149	
	cross walls	2	2.600	0.200	0.100		0.105	
		2	2.800	0.200	0.100		0.112	
	Total Quantity						7.440 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						7.440 cum	
	Say 7.440 cum @ Rs 6857.61 / cum						Rs 51020.62	
4	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
	column footing	9	5.600		0.300		15.120	
		9	3.200		0.300		8.640	
	Total Quantity						23.760 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						23.760 sqm	
	Say 23.760 sqm @ Rs 337.42 / sqm						Rs 8017.10	
5	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams,							

	girders bressumers and cantilevers								
	plinth beam long wall	3	4.400		0.800		10.561		
		2	3.700		0.800		5.921		
	cross walls	4	3.000		0.800		9.601		
	lintel long walls	2	4.000		0.300		2.400		
		2	3.500		0.300		2.100		
	lintel toilet side	2	1.400		0.300		0.840		
	cross walls	8	2.600		0.800		16.640		
	beam long walls	2	8.100		0.800		12.960		
		1	4.400		0.800		3.521		
	cross walls	4	3.050		0.800		9.760		
	sun shade	1	2.100	0.600			1.260		
		1	3.300		0.080		0.264		
		1	6.200	0.060			0.372		
		1	7.400		0.080		0.593		
		Total Quantity					76.793 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					76.793 sqm		
		Say 76.793 sqm @ Rs 653.89 / sqm					Rs 50214.17		
6	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts								
	column upto plinth beam	9	1.200		0.600		6.480		
		Total Quantity					6.480 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					6.480 sqm		
		Say 6.480 sqm @ Rs 869.05 / sqm					Rs 5631.44		
7	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform								
	main slab	1	3.100	3.500			10.850		
		2	3.100	4.000			24.800		
	slab projection	1	31.800	1.000			31.800		

	slab sides	1	34.200	1.000	0.100		3.421	
	Total Quantity						70.871 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						70.871 sqm	
	Say 70.871 sqm @ Rs 820.89 / sqm						Rs 58177.30	
8	<p>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</p>							
	column footing	8	1.400	1.200	0.300		4.032	
		8	0.800	0.600	0.300		1.152	
	columns upto plinth beam	8	0.400	0.200	0.600		0.385	
	plinth beam long wall	3	4.400	0.200	0.300		0.792	
		2	3.700	0.200	0.300		0.445	
	cross walls	2	2.600	0.200	0.300		0.312	
		2	2.800	0.200	0.300		0.336	
	Total Quantity						7.454 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						7.454 cum	
	Say 7.454 cum @ Rs 9472.55 / cum						Rs 70608.39	
9	<p>5.33.2 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work above plinth level upto floor V level</p>							
	column above plinth beam	5	0.400	0.200	2.900		1.161	
		3	0.400	0.200	3.500		0.841	
	lintel long walls	2	4.000	0.200	0.150		0.240	

		2	3.500	0.200	0.150		0.211		
	cross walls	2	2.600	0.200	0.150		0.156		
	toilet wall side	1	1.400	0.200	0.150		0.042		
	beams long walls	2	8.100	0.200	0.300		0.972		
		1	4.400	0.200	0.300		0.264		
	cross walls	2	2.800	0.200	0.300		0.336		
	sunshade	1	2.100	0.600	0.080		0.101		
		1	6.200	0.600	0.080		0.298		
	main slab	1	9.300	3.950	0.100		3.674		
		1	5.600	3.950	0.100		2.212		
		Total Quantity					10.508 cum		
		Total Deducted Quantity					0.000 cum		
		Net Total Quantity					10.508 cum		
		Say 10.508 cum @ Rs 11135.00 / cum					Rs 117006.58		
10	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more								
	qty of concrete as per spec no 5.1.2	1	7.454		120.000		894.480		
	qty of concrete as per spec no 5.2.2	1	10.508		120.000		1260.960		
		Total Quantity					2155.440 kilogram		
		Total Deducted Quantity					0.000 kilogram		
		Net Total Quantity					2155.440 kilogram		
		Say 2155.440 kilogram @ Rs 98.92 / kilogram					Rs 213216.12		
11	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with: Cement mortar 1:6 (1 cement : 6 coarse sand)								
	foundation of long walls	2	8.500	0.600	0.600		6.120		
	basement of long walls	2	8.500	0.450	0.200		1.531		
	foundation of long walls	1	4.800	0.600	0.600		1.728		

	basement of long walls	1	4.800	0.450	0.200		0.433		
	foundation of cross walls	5	2.600	0.600	0.600		4.680		
	basement of cross walls	5	2.600	0.450	0.200		1.171		
	Total Quantity						15.663 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						15.663 cum		
	Say 15.663 cum @ Rs 7249.94 / cum						Rs 113555.81		
12	13.33.1 Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand):Flush/ Ruled pointing								
	basement of long walls	2	8.500		0.200		3.401		
	basement of long walls	1	4.800		0.200		0.960		
	basement of cross walls	5	2.600		0.200		2.600		
	Total Quantity						6.961 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						6.961 sqm		
	Say 6.961 sqm @ Rs 338.10 / sqm						Rs 2353.51		
13	50.6.2.1 Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 (1 cement :6 coarse sand) etc complete								
	long walls left	1	4.000	0.200	2.300		1.840		
		1	3.500	0.200	2.300		1.610		
	long wall middle	1	4.000	0.200	3.500		2.801		
		1	3.500	0.200	2.300		1.610		
	long wall right	1	4.000	0.200	2.900		2.320		
	cross walls front	1	2.600	0.200	$(2.9+3.5)/2$		1.665		
		1	2.800	0.200	$(2.9+3.5)/2$		1.792		
	middle	1	2.600	0.200	2.300		1.196		

	toilet wall	1	2.000	0.100	2.900		0.580		
		1	1.400	0.100	2.900		0.406		
		1	2.800	0.200	$(2.9+3.5)/2$		1.792		
	rear	1	2.600	0.200	2.300		1.196		
		1	2.600	0.200	2.300		1.196		
	step	1	2.700	0.600	0.450		0.730		
		1	2.700	0.300	0.150		0.122		
	cable duct	1	4.000	0.200	0.600		0.480		
		1	2.000	0.200	0.600		0.240		
	wall of ff	4	3.200	0.200	3.800		9.729		
	wall	2	4.600	0.200	3.800		6.992		
	door	3	1.000	0.200	2.100		-1.260		
	rolling shutter	1	1.500	0.200	2.100		-0.630		
	window W	1	1.600	0.200	1.500		-0.480		
	window w1	2	1.100	0.200	1.500		-0.660		
	lintel	1	9.600	0.200	0.150		-0.288		
	ventilator	1	0.900	0.200	0.600		-0.108		
	deduction for rolling shutter	1	3.200	0.200	2.400		-1.536		
	deduction for windows	5	1.500	0.200	1.500		-2.250		
	deduction for lintels	5	1.700	0.200	0.200		-0.340		
	deduction for over rolling shutter	1	3.200	0.200	0.200		-0.128		
		Total Quantity					38.297 cum		
		Total Deducted Quantity					-7.680 cum		
		Net Total Quantity					30.617 cum		
		Say 30.617 cum @ Rs 6257.03 / cum					Rs 191571.49		
14	14.29 Providing and fixing M.S. round or square bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows.								
	window w	14	1.600		0.890		19.937		
	window w1	14	1.100		0.890		13.707		
	ventilator	2	0.900		0.890		1.602		

					Total Quantity	35.246 kg		
					Total Deducted Quantity	0.000 kg		
					Net Total Quantity	35.246 kg		
					Say 35.246 kg @ Rs 109.02 / kg		Rs 3842.52	
15	9.48.1	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 steel windows by welding						
	generator room	1	3.000		0.600	20.0	36.000	
		1	3.500		0.600	20.0	42.000	
		2	1.200		0.600	20.0	28.800	
	panel room	1	4.000		0.600	20.0	48.000	
					Total Quantity	154.800 kg		
					Total Deducted Quantity	0.000 kg		
					Net Total Quantity	154.800 kg		
					Say 154.800 kg @ Rs 195.79 / kg		Rs 30308.29	
16	50.9.1.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood						
	door	1	0.860			1.96	1.686	
	door	1	0.045717				0.046	
	window - w	1	0.067620				0.068	
	window - w1	1	0.049245				0.050	
	ventilator - v1	1	3.000	0.100	0.075		0.023	
					Total Quantity	1.873 cum		
					Total Deducted Quantity	0.000 cum		
					Net Total Quantity	1.873 cum		
					Say 1.873 cum @ Rs 110013.51 / cum		Rs 206055.30	
17	50.9.2.1	Providing and fixing paneled and glazed shutters for doors, windows and clerestory windows, 35 mm thick shutters including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineerin - charge.using Anjili/ Jack wood						
	window W	1	1.460			1.36	1.986	
	window W1	1	0.960			1.36	1.306	

	ventilator V1	1	0.540			1.36	0.735	
	Total Quantity						4.027 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						4.027 sqm	
	Say 4.027 sqm @ Rs 3300.75 / sqm						Rs 13292.12	
18	9.97.3 Providing and fixing aluminium tower bolts, ISI marked, anodised(anodic coating not less than grade AC 10 as per : 1868), transparent or dyed to required colour or shade, with necessary screws complete:200x10 mm							
	door	2					2.000	
	Total Quantity						2.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						2.000 no	
	Say 2.000 no @ Rs 106.63 / no						Rs 213.26	
19	9.100.2 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:100 mm							
	door	2					2.000	
	Total Quantity						2.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						2.000 no	
	Say 2.000 no @ Rs 62.56 / no						Rs 125.12	
20	9.103 Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS: 1868) aluminium lever handles of approved quality with necessary screws etc . complete.							
	door	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 886.79 / each						Rs 886.79	
21	50.9.15.1 Supplying and fixing 200 mm Aluminium aldrops							
	door	1					1.000	
	Total Quantity						1.000 no	

	mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge(For W.C. and bathroom door shutter).						
		1	2.100	0.900			1.891
	Total Quantity						1.891 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						1.891 sqm
	Say 1.891 sqm @ Rs 2085.49 / sqm						Rs 3943.66
26	13.4.1 12 mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)						
	panel room	1	14.000		3.300		46.200
	generator room	1	13.000		3.300		42.900
	office	1	14.000		3.300		46.200
	outside	1	29.400		3.800		111.720
	floor of panel and generator room	1	4.000	3.000			12.000
		1	3.500	3.000			10.500
	toilet	1	2.000	3.000			6.000
		1	1.400	3.000			4.200
	roof top	1	9.300	4.650			43.246
		1	5.600	3.250			18.200
	doors	2	1.000		2.100		-4.200
	window w	1	1.600		1.500		-2.400
	window w1	2	1.100		1.500		-3.300
	rolling shutter	1	1.500		2.100		-3.150
	generator platform	1	2.000	1.000			-2.000
	cable duct	1	6.000	1.000			-6.000
	Total Quantity						341.166 sqm
	Total Deducted Quantity						-21.050 sqm
	Net Total Quantity						320.116 sqm
	Say 320.116 sqm @ Rs 327.05 / sqm						Rs 104693.94

27	13.16.1 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)						
	panel room	1	4.000	3.000			12.000
	generator room	1	3.500	3.000			10.500
	office	1	4.000	3.000			12.000
	slab projection	1	31.800	1.000			31.800
	sunshade	1	2.100	0.700			1.470
		1	2.100	0.700			1.470
	Total Quantity						69.240 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						69.240 sqm
	Say 69.240 sqm @ Rs 269.26 / sqm						Rs 18643.56
28	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer						
	qty vide spec no 13.6.1	1	69.240				69.240
	qty vide spec no 13.4.1	1	309.916				309.916
	Total Quantity						379.156 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						379.156 sqm
	Say 379.156 sqm @ Rs 71.09 / sqm						Rs 26954.20
29	13.46.1 Finishing walls with Acrylic Smooth exterior paint of required shade:New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)						
	outside wall	1	111.720				111.720
	Total Quantity						111.720 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						111.720 sqm
	Say 111.720 sqm @ Rs 195.11 / sqm						Rs 21797.69
30	13.48.3 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture						

	door	1	1.000		2.100	2.25	4.726		
	window	1	1.100		1.500		1.651		
	rolling shutter	1	1.500		2.100		3.151		
	grills	1	3.000		0.600		1.800		
		1	3.500		0.600		2.100		
		1	4.000		0.600		2.400		
		2	1.200		0.600		1.440		
	Total Quantity						17.268 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						17.268 sqm		
	Say 17.268 sqm @ Rs 149.06 / sqm						Rs 2573.97		
31	13.60.1 Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work								
	qty vide spec no 13.16.1	1	69.240				69.240		
	qty vide spec no 13.4.1	1	320.116				320.116		
	Total Quantity						389.356 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						389.356 sqm		
	Say 389.356 sqm @ Rs 152.34 / sqm						Rs 59314.49		
32	13.62.1 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture .								
	door	1	1.000		2.100	2.25	4.726		
	window w	1	1.600		1.500		2.401		
	window w1	1	1.100		1.500		1.651		
	Total Quantity						8.778 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						8.778 sqm		
	Say 8.778 sqm @ Rs 209.84 / sqm						Rs 1841.98		
33	11.38 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except								

	White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.						
	watchman cabin	1	4.300	3.300			14.190
	step	1	2.600	1.100			2.861
	Total Quantity						17.051 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						17.051 sqm
	Say 17.051 sqm @ Rs 1180.55 / sqm						Rs 20129.56
34	od243016/2021_2022 providing and laying antiskid ceramic floor tiles 300x300x7 mm of 1st quality conforming to IS 15622 of approved make ,shade and pattern laid on 20mm thick cement mortar 1:4 (1 cement :4 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc .including cost and conveyance of all materials ,labour charges ,lead ,lift etc ,complete as directed by the Engineer in charge at all levels details of cost for 1 sqm MATERIAL Glazed ceramic floor tiles 300 x 300 mm size = 1.00 sqm Add for wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm						
	toilet	1	2.000	1.400			2.800
	Total Quantity						2.800 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						2.800 sqm
	Say 2.800 sqm @ Rs 1097.88 / sqm						Rs 3074.06
35	od243071/2021_2022 Supply and fixing of C.P towel rod 450mm long or nearest available length including cost of materials, labours etc complete						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 603.98 / each						Rs 603.98
36	od243084/2021_2022 Providing and fixing superior quality brand CP Soap Dish Holder concealed fitting arrangements, weighing not less than 106 gms (Make: Jaguar)						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each

		Say 1.000 each @ Rs 775.00 / each					Rs 775.00	
37	17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid						
		1					1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 7918.23 / each					Rs 7918.23	
38	17.7.3	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps						
		1					1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 3372.05 / each					Rs 3372.05	
39	50.18.7.4.1	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 32 mm dia 10Kgf/cm2- Internal work - Exposed on wall						
		1	50.000				50.000	
		Total Quantity					50.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					50.000 metre	
		Say 50.000 metre @ Rs 318.87 / metre					Rs 15943.50	
40	50.18.9.22.4	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend						
		2					2.000	
		Total Quantity					2.000 no	
		Total Deducted Quantity					0.000 no	

		Net Total Quantity					2.000 no	
		Say 2.000 no @ Rs 161.34 / no					Rs 322.68	
41	50.18.8.9.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chased and making good the wall etc. 110 mm pipe 6kgf/cm ²							
		1	20.000				20.000	
		Total Quantity					20.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					20.000 metre	
		Say 20.000 metre @ Rs 725.82 / metre					Rs 14516.40	
42	18.48 Providing and placing on terrace (at all floor levels) polyethylene water storage tank :ISI 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.							
		1000					1000.000	
		Total Quantity					1000.000 Litre	
		Total Deducted Quantity					0.000 Litre	
		Net Total Quantity					1000.000 Litre	
		Say 1000.000 Litre @ Rs 10.44 / Litre					Rs 10440.00	
43	51.19.ST1 Supplying and installing ready made PVC Septic tank including the cost of carriage, trenching, placing at the level below ground level as specified as per the direction of engineer in charge (Provision for CC/RCC/Sand/06mm aggregate for the preparation of bed shall be paid separately) 1. Below 15 flush capacity							
		1					1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 17189.34 / each					Rs 17189.34	
44	od200375/2021_2022 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.							

		2	2.000	1.800			7.200		
		2	1.400	1.800			5.040		
		Total Quantity					12.240 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					12.240 sqm		
		Say 12.240 sqm @ Rs 1220.37 / sqm					Rs 14937.33		
45	10.6.2	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.20 mm M.S. laths with 1.20 mm thick top cover							
	rolling shutter	1	1.500		2.100		3.151		
		Total Quantity					3.151 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					3.151 sqm		
		Say 3.151 sqm @ Rs 3320.81 / sqm					Rs 10463.87		
46	9.53	Other Engineering Organisations Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)							
	for windows	2*4					8.000		
	door	1*6					6.000		
		Total Quantity					14.000 each		
		Total Deducted Quantity					0.000 each		
		Net Total Quantity					14.000 each		
		Say 14.000 each @ Rs 212.30 / each					Rs 2972.20		
47	10.5.1	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using M.S. angels 40x40x6 mm for diagonal braces							
	door d	1			2.100		2.100		
		Total Quantity					2.100 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					2.100 sqm		

	Say 2.100 sqm @ Rs 5244.96 / sqm	Rs 11014.42
	Provision for GST payments (in %) @	12.0%
	Amount reserved for GST payments	128440521.15
	Total	1198778197.15
	Lumpsum for round off	1802.85
	TOTAL Rs 1198780000.00	
	Rounded Total Rs 1,19,87,80,000	
	Rupees One Hundred Nineteen Crore Eighty Seven Lakh Eighty Thousand Only	

(Cost Index Applied for this estimate is 36.44%)



Other Engineering Organisations

PRICE