

TS Register No: 675/2022-2023

AS Register No:701/2022-2023

**Construction of Regulator across Thoothapuzha at down stream of Kalladikkunnu  
LIS in Thiruvegappur panchayath, Palakkad District.**

Detailed Estimate

(Dsr year: 2018, Cost Index Applied for this estimate is 34.75%)

SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>1 Appendix A- Construction of Regulator Cum Foot Bridge</b>									
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								
	LEFT BANK	1	50.000	8.000		0.0	0.040		
	RIGHT BANK	1	50.000	8.000		0.0	0.040		
	Total Quantity						0.080 Hecter		
	Total Deducted Quantity						0.000 Hecter		
	Net Total Quantity						0.080 Hecter		
	Say 0.080 Hecter @ Rs 208246.18 / Hecter						<b>Rs 16659.69</b>		
2	od46878/2022_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 confirming 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	2	110.000				220.000		
	cross bund	1	79.000				79.000		
	Total Quantity						299.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						299.000 metre		
	Say 299.000 metre @ Rs 31395.62 / metre						<b>Rs 9387290.38</b>		
3	od236971/2020_2021 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								
	300days @ 10Hr/day	300	10.000				3000.000		



	Say 6383.685 cum @ Rs 217.25 / cum						<b>Rs 1386855.57</b>	
6	3.13.4.A 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, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work Hard Rock ( blasting prohibited ) - Mechanical Means							
	Between Abutments							
	for foundation of piers.( Average depth- 4.45m)	7	7.600	3.200	0.300		51.072	
	for weir	1	87.600	3.200	0.300		84.096	
	For abutment- left	1	6.000	4.300	0.300		7.740	
	right	1	4.300	6.000	0.300		7.740	
	Total Quantity						150.648 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						150.648 cum	
	Say 150.648 cum @ Rs 943.25 / cum						<b>Rs 142098.73</b>	
7	od147166/2021_2022 60.5.3 DOWEL BARS - Supplying and Providing MS dowel bars of size 25 mm dia of 3.0m long (1.5m in rock and 1.5m in concrete ) including drilling holes of 30mm dia and filling the gap with cement grout( 0.50kg/each) etc complete							
	Between Abutments							
	for foundation of piers	7*4*9					252.000	
	for weir	4*89					356.000	
	For abutment- left	2*6					12.000	
	For leg	2*4					8.000	
	right	2*6					12.000	
	for leg	2*4					8.000	
	Total Quantity						648.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						648.000 each	
	Say 648.000 each @ Rs 899.93 / each						<b>Rs 583154.64</b>	
8	12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications							

	PCC Grade M20								
	1st footing - Pier 4 & 5	2	7.600	3.800	1.000		57.760		
	1st footing for 2,3,6& 7 and 2nd footing for 4&5	6	7.600	3.200	1.000		145.921		
	1st for 1 and 2nd for 2,3,6& 7 and 3rd footing for 4&5	7	7.600	2.600	1.000		138.320		
	Total Quantity						342.001 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						342.001 cum		
	Say 342.001 cum @ Rs 8717.56 / cum						<b>Rs 2981414.24</b>		
9	13.5.E.P.1 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M20 - Using concrete Mixer - Height upto 5m								
	Pier 1 -from left	1	3.800	2.000	5.000		38.000		
	Semi Circular ends-at u/s and d/s( constitute a cicle)	1	0.785	2*2	5.000		15.701		
	Pier 2	1	3.800	2.000	5.000		38.000		
	Semi Circular ends-at u/s and d/s( constitute a cicle)	1	0.785	2*2	5.000		15.701		
	pier3	1	3.800	2.000	5.000		38.000		
	Semi Circular ends-at u/s and d/s( constitute a cicle)	1	0.785	2.000*2	5.000		15.701		
	pier4	1	3.800	2.000	5.000		38.000		
	Semi Circular ends-at u/s and d/s( constitute a cicle)	1	0.785	2*2	5.000		15.701		
	pier5	1	3.800	2.000	5.000		38.000		
	Semi Circular ends-at u/s and d/s( constitute a cicle)	1	0.785	2*2	5.000		15.701		
	Pier 6	1	3.800	2.000	5.000		38.000		

	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2*2	5.000		15.701	
	Pier 7	1	3.800	2.000	5.000		38.000	
	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2*2	5.000		15.701	
	At FB level	7	3.800	2.000	5.000		266.000	
	Above FB level up to cap	7	2.000	2.000	5.000		140.000	
	Deduct groove	-14	0.400	0.600	5.000		-16.800	
						Total Quantity	765.107 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	765.107 cum	
						Say 765.107 cum @ Rs 9282.18 / cum	<b>Rs 7101860.89</b>	
10	13.5.E.q.1 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M20 - Using concrete Mixer - Height 5m to 10 m							
	Pier 1 -from left	1	3.800	2.000	4.900		37.240	
	Semi Circular ends-at u/s and d/s( constitute a cicle)	1	0.785	2*2	4.900		15.387	
	Pier 2	1	3.800	2.000	4.110		31.236	
	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2*2	4.110		12.906	
	pier3	1	3.800	2.000	4.685		35.606	
	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2.000*2	4.685		14.711	
	pier4	1	3.800	2.000	4.260		32.376	
	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2*2	4.260		13.377	
	pier5	1	3.800	2.000	4.260		32.376	
	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2*2	4.260		13.377	

	Pier 6	1	3.800	2.000	4.070		30.933	
	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2*2	4.570		14.350	
	Pier 7	1	3.800	2.000	3.600		27.360	
	Semi Circular ends-at u/s and d/s( constitute a cicle	1	0.785	2*2	4.100		12.874	
	At FB level	7	3.800	2.000	1.000		53.200	
	Above FB level up to cap	7	2.000	2.000	3.000		84.000	
	Deduct groove	-14	0.400	0.600	6.850		-23.016	
						Total Quantity	438.293 cm	
						Total Deducted Quantity	0.000 cm	
						Net Total Quantity	438.293 cm	
						Say 438.293 cm @ Rs 9619.73 / cm	<b>Rs 4216260.32</b>	
11	12.8.E.2.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump							
	abutment base slab	2	6.000	4.300	1.000		51.600	
						Total Quantity	51.600 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	51.600 cum	
						Say 51.600 cum @ Rs 7998.17 / cum	<b>Rs 412705.57</b>	
12	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							
	Left abutment	1	4.300	1.000	5.000		21.500	
	Counter fort	2	$(3.800+1.7)/2$	0.500	5.000		13.800	
	A Right bank	1	4.300	1.000	5.000		21.500	
	Counter fort	2	$(3.800+1.7)/2$	0.500	5.000		13.800	
	Dirt wall- bottom slab	2	3.800	1.000	0.300		2.280	
	dirt wall vertical side	2	3.800	0.300	1.400		3.192	

	Pier cap	7	2.000	$(2.0+2.5)/2$	0.600		18.900	
	do	7	2.000	2.500	0.400		14.000	
	Total Quantity						108.972 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						108.972 cum	
	Say 108.972 cum @ Rs 8479.98 / cum						<b>Rs 924080.38</b>	
13	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							
	FB Beam	1	96.000	0.300	0.850		24.480	
	do	1	96.000	1.500	0.150		21.600	
	RCC hand rail	2	110.000	0.150	1.100		36.301	
	Left abutment	1	4.300	1.000	8.150		35.045	
	Counter fort	2	$(.5*1.72*4.15)$	0.500			3.570	
	A Right bank	1	4.300	1.000	8.150		35.045	
	Counter fort	2	$(.5*1.72*4.15)$	0.500	5.000		17.846	
	Dirt wall- bottom slab	2	3.800	1.000	0.300		2.280	
	dirt wall vertical side	2	3.800	0.300	1.400		3.192	
	Pier cap	7	2.000	$(2.0+2.5)/2$	0.600		18.900	
	do	7	2.000	2.500	0.400		14.000	
	Total Quantity						212.259 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						212.259 cum	
	Say 212.259 cum @ Rs 8757.50 / cum						<b>Rs 1858858.19</b>	
14	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15							
	weir							
	u/s soid apron	1	110.000	3.000	0.500		165.000	
	do cutt off	1	110.000	0.300	1.700		56.100	

	D/s solid apron	1	110.000	6.000	1.000		660.000		
	cutt off	1	110.000	0.300	1.000		33.000		
	end cutt off- bottom flange	1	110.000	1.000	0.300		33.000		
	from left - b/w abutment and pier 1	1	12.000	$(2.08+1.50)/2$	$(0.80+1.02)/2$		19.547		
	do towards right	1	12.000	$(2.60+1.50)/2$	$(1.02+2.355)/2$		41.513		
	do	1	12.000	$(3.56+1.50)/2$	$(2.355+4.035)/2$		97.001		
	do	1	12.000	$(4.3+1.50)/2$	$(4.035+4.60)/2$		150.249		
		1	12.000	$(4.62+1.50)/2$	$(4.60+5.07)/2$		177.542		
		1	12.000	$(4.08+1.50)/2$	$(5.07+2.92)/2$		133.753		
		1	12.000	$(3.16+1.50)/2$	$(2.92+2.21)/2$		71.718		
		1	12.000	$(2.64+1.50)/2$	$(2.21+1.30)/2$		43.595		
	deduct footings- 1 st footing	16	3.380	0.300	1.000		-16.224		
		12	3.380	0.300	1.000		-12.168		
		4	3.380	0.300	1.000		-4.056		
		Total Quantity						1682.018 cum	
		Total Deducted Quantity						-32.448 cum	
		Net Total Quantity						1649.570 cum	
		Say 1649.570 cum @ Rs 8064.72 / cum						<b>Rs 13303320.17</b>	
15	od5057/2022_2023 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 $\pm 2\%$ ) Zinic+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.								
	D/s	1	110.000	6.000	1.000		660.000		
		Total Quantity						660.000 cum	



							Total Deducted Quantity	0.000 cum
							Net Total Quantity	660.000 cum
							Say 660.000 cum @ Rs 4765.32 / cum	<b>Rs 3145111.20</b>
16	12.40	Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications						
	abutment base slab	2	6.000	4.300	1.300	0.12	8.050	
	ITEM NO:8	342.0001				0.02	6.841	
weir								
	u/s solid apron	1	110.000	3.000	0.500	0.02	3.301	
	do cutt off	1	110.000	0.300	1.700	0.02	1.122	
	D/s solid apron	1	110.000	6.000	1.000	0.02	13.201	
	cutt off	1	110.000	0.300	1.000	0.02	0.660	
	end cutt off- bottom flange	1	110.000	1.000	0.300	0.02	0.660	
	from left - b/w abutment and pier 1	1	12.000	$(2.08+1.50)/2$	$(0.80+1.02)/2$	0.02	0.391	
	do towards right	1	12.000	$(2.60+1.50)/2$	$(1.02+2.355)/2$	0.02	0.831	
	do	1	12.000	$(3.56+1.50)/2$	$(2.355+4.035)/2$	0.02	1.941	
	do	1	12.000	$(4.3+1.50)/2$	$(4.035+4.60)/2$	0.02	3.005	
		1	12.000	$(4.62+1.50)/2$	$(4.60+5.07)/2$	0.02	3.551	
		1	12.000	$(4.08+1.50)/2$	$(5.07+2.92)/2$	0.02	2.676	
		1	12.000	$(3.16+1.50)/2$	$(2.92+2.21)/2$	0.02	1.435	
		1	12.000	$(2.64+1.50)/2$	$(2.21+1.30)/2$	0.02	0.872	
							Total Quantity	48.537 MT
							Total Deducted Quantity	0.000 MT
							Net Total Quantity	48.537 MT
							Say 48.537 MT @ Rs 95594.79 / MT	<b>Rs 4639884.32</b>
17	13.6							

	Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
	item no:11	203.293				0.12	24.396	
	item no 10	765.107				0.12	91.813	
	Total Quantity						116.209 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						116.209 MT	
	Say 116.209 MT @ Rs 96025.20 / MT						<b>Rs 11158992.47</b>	
18	14.2 Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications							
	ITEM NO 11	438.293				0.12	52.596	
	ITEM NO:14	212.259				0.15	31.839	
	Total Quantity						84.435 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						84.435 MT	
	Say 84.435 MT @ Rs 99100.36 / MT						<b>Rs 8367538.90</b>	
19	od235440/2021_2022 Providing and laying in position cement concrete of specified grade ICLUDIG the cost of centering and shuttering - All work up to plinth level: 1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
		1	110.000	1.500	(0.05+0.75)/2		66.000	
	Total Quantity						66.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						66.000 cum	
	Say 66.000 cum @ Rs 9932.50 / cum						<b>Rs 655545.00</b>	
20	od235515/2021_2022 Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand). Stone ware spout							
		2	44.000				88.000	
	Total Quantity						88.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						88.000 each	
	Say 88.000 each @ Rs 1706.73 / each						<b>Rs 150192.24</b>	
21	od239527/2021_2022							

	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work							
	hand rail	2	110.150		1.100		242.331	
	foot bridge	2	110.000		1.200		264.000	
	p4,p5	2	15.600		14.950		466.440	
	p2,p3,p6,p7	4	8.000		12.850		411.200	
	Total Quantity						1383.971 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1383.971 sqm	
	Say 1383.971 sqm @ Rs 253.18 / sqm						<b>Rs 350393.78</b>	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
<b>2 Appendix B- Side Protection Works of river</b>								
1	od236960/2020_2021 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							
	upstream side	2	156.000	4.500	4.500		6318.000	
	downstream side	2	100.000	5.500	7.000		7700.000	
	Total Quantity						14018.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						14018.000 cum	
	Say 14018.000 cum @ Rs 217.25 / cum						<b>Rs 3045410.50</b>	
2	od236972/2020_2021 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	156.000				312.000	
	DS protection	2	100.000				200.000	
	Total Quantity						512.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						512.000 metre	
	Say 512.000 metre @ Rs 1090.02 / metre						<b>Rs 558090.24</b>	
3	od236971/2020_2021 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							
	100 days, 2 pumps per 10 hrs	100*2	10.000				2000.000	
	Total Quantity						2000.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						2000.000 hour	
	Say 2000.000 hour @ Rs 359.67 / hour						<b>Rs 719340.00</b>	
4	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							
	upstream side	2	156.000	4.500	0.600		842.400	
	downstream side	2	100.000	5.500	0.800		880.000	
	Total Quantity						1722.400 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1722.400 cum	
	Say 1722.400 cum @ Rs 8011.30 / cum						<b>Rs 13798663.12</b>	
5	12.40 Supply, Fitting and Placing un-coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	upstream side	2	156.000	4.500	0.600	0.12	101.088	
	downstream side	2	100.000	5.500	0.800	0.12	105.600	
	Total Quantity						206.688 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						206.688 MT	
	Say 206.688 MT @ Rs 95594.79 / MT						<b>Rs 19758295.96</b>	
6	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							
	upstream side	2	156.000	$(.70+.40)/2$	3.900		669.241	
	downstream side	2	100.000	$(.70+.458)/2*5$			579.000	
	Total Quantity						1248.241 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1248.241 cum	

	Say 1248.241 cum @ Rs 8514.44 / cum						<b>Rs 10628073.10</b>	
7	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
	Item No.6	1248.241				0.12	149.789	
	Total Quantity						149.789 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						149.789 MT	
	Say 149.789 MT @ Rs 96025.20 / MT						<b>Rs 14383518.68</b>	
8	13.5.D.q.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 5m to 10m							
	downstream	2	100.000	(0.4+0.458 )/2*1.2			102.961	
	Total Quantity						102.961 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						102.961 cum	
	Say 102.961 cum @ Rs 8777.13 / cum						<b>Rs 903702.08</b>	
9	14.2 Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications							
	downstream	2	100.000	(0.4+0.458 )/2*1.2		0.12	12.356	
	Total Quantity						12.356 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						12.356 MT	
	Say 12.356 MT @ Rs 99100.36 / MT						<b>Rs 1224484.05</b>	
10	od236990/2020_2021 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.							
	at 10m high wall	4*7*17	1.650				785.400	
	U/s 5 m high wall	2*3*67	0.900				361.800	
	d/s 8m high wall	2*5*33	1.400				462.000	
	Total Quantity						1609.200 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1609.200 metre	

	Say 1609.200 metre @ Rs 128.14 / metre						<b>Rs 206202.89</b>	
11	od190655/2021_2022 Conveyance and dumping of departmental granite stones-Conveyance of departmental granite stone 20 to 45 dm <sup>3</sup> in size from stack at site and dumping in position (60% 45m <sup>3</sup> ,30%30 to 40dm <sup>3</sup> and 10% 20 to 30dm <sup>3</sup> stones) to lines and levels to from the core I as per approved design including all leads and lifts etc. complete as per the direction of the departmental officers at site.							
	Curve 1	1	325.000	5.500	3.000		5362.500	
	sloped side	1	325.000	.5*3*3			1462.500	
	Total Quantity						6825.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						6825.000 cum	
	Say 6825.000 cum @ Rs 696.61 / cum						<b>Rs 4754363.25</b>	
12	od190656/2021_2022 Supplying and stacking granite stone 20 to 45 dm <sup>3</sup> for dumping works- Supplying at site of work granite stone 20 to 45 dm <sup>3</sup> in size (60% 45m <sup>3</sup> ,30%30 to 40dm <sup>3</sup> and 10% 20 to 30dm <sup>3</sup> stones) for measurement ( deducting not less than 15% for voids as fixed by the departmental officer at site) including all cost, conveyance, loading and unloading charges all other incidental charges all leads and lifts etc. complete as per the direction of the departmental officers at site							
	Curve 1	1	325.000	5.500	3.000		5362.500	
	sloped side	1	325.000	.5*3*3			1462.500	
	Total Quantity						6825.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						6825.000 cum	
	Say 6825.000 cum @ Rs 2296.09 / cum						<b>Rs 15670814.25</b>	
13	od147998/2021_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 ± 2%) Zinic+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. Details cost of one Gabion box/Crates of size 2mx1mx1m = 2 cum							
	curve 1(frist step)	1	325.000	5.000	1.000		1625.000	
	curve 1(second step)	1	325.000	4.000	1.000		1300.000	
	curve 1(third step)	1	325.000	3.000	1.000		975.000	
	curve 1 (fourth step)	1	325.000	2.000	1.000		650.000	
	curve 1 (fivth step)	1	325.000	1.000	1.000		325.000	

									Total Quantity	4875.000 cum
									Total Deducted Quantity	0.000 cum
									Net Total Quantity	4875.000 cum
									Say 4875.000 cum @ Rs 4765.32 / cum	<b>Rs 23230935.00</b>
14	od235098/2021_2022 Providing and laying filter material underneath pitching etc complete as per drawing and technical specification									
	u/s side	2	156.000	3.900	0.600				730.080	
	D/s side	2	100.000	6.200	0.600				744.000	
									Total Quantity	1474.080 cum
									Total Deducted Quantity	0.000 cum
									Net Total Quantity	1474.080 cum
									Say 1474.080 cum @ Rs 3262.12 / cum	<b>Rs 4808625.85</b>
15	od235118/2021_2022 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)									
	u/s side	2	156.000	4.500	0.150				210.600	
	d/s side	2	100.000	5.500	0.150				165.000	
									Total Quantity	375.600 cum
									Total Deducted Quantity	0.000 cum
									Net Total Quantity	375.600 cum
									Say 375.600 cum @ Rs 7696.88 / cum	<b>Rs 2890948.13</b>
SI No	Description	No	L	B	D	CF	Quantity	Remark		
<b>3 Appendix F -Electrical Works</b>										
1	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)									
	90.11.1.10	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 2846.50 / each	<b>Rs 2846.50</b>

2	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole								
	2.10.1	15					15.000		
		Total Quantity						15.000	each
		Total Deducted Quantity						0.000	each
		Net Total Quantity						15.000	each
		Say 15.000 each @ Rs 235.81 / each						<b>Rs 3537.15</b>	
3	2.10.4 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Triple pole								
		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 975.59 / each						<b>Rs 9755.90</b>	
4	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 9.43 / each						<b>Rs 94.30</b>	
5	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 902.83 / each						<b>Rs 1805.66</b>	
6	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with								



	connections, testing and commissioning etc. as required.40 amps						
	2.13.1	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 983.68 / each						<b>Rs 983.68</b>
7	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps						
	2.15.2	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 3101.95 / each						<b>Rs 3101.95</b>
8	90.12.7.40 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.4 core 10 sq mm with factory made clamp						
	90.12.7.40	1	400.000				400.000
	Total Quantity						400.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						400.000 metre
	Say 400.000 metre @ Rs 244.60 / metre						<b>Rs 97840.00</b>
9	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	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 378.16 / metre						<b>Rs 18908.00</b>
10	90.12.7.30						

	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 70 sq 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 579.42 / metre						<b>Rs 28971.00</b>	
11	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	8					8.000	
	Total Quantity						8.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						8.000 set	
	Say 8.000 set @ Rs 354.39 / set						<b>Rs 2835.12</b>	
12	9.1.32 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.4 X 10 sq. mm (25mm)							
	9.1.32	20					20.000	
	Total Quantity						20.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						20.000 set	
	Say 20.000 set @ Rs 258.72 / set						<b>Rs 5174.40</b>	
13	9.1.23 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 70 sq. mm (38mm)							
		1	4.000				4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 435.24 / set						<b>Rs 1740.96</b>	
14	4.1.2							

	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.150 mm width X 50 mm depth X 1.6 mm thickness						
	4.1.2	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 626.59 / metre						<b>Rs 46994.25</b>
15	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						
	4.1.3	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 704.74 / metre						<b>Rs 52855.50</b>
16	5.4 Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, andproviding masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.						
		1	6.000				6.000
	Total Quantity						6.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						6.000 set
	Say 6.000 set @ Rs 7343.88 / set						<b>Rs 44063.28</b>
17	5.3 Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, andproviding 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 6079.92 / set						<b>Rs 30399.60</b>

18	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	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 304.53 / metre						<b>Rs 15226.50</b>
19	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.					
		1	300.000				300.000
	Total Quantity						300.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						300.000 metre
	Say 300.000 metre @ Rs 1191.19 / metre						<b>Rs 357357.00</b>
20	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	1	100.000				100.000
	Total Quantity						100.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						100.000 metre
	Say 100.000 metre @ Rs 243.90 / metre						<b>Rs 24390.00</b>
21	5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.					
	5.17	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 150.92 / metre						<b>Rs 4527.60</b>
22	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					
		20					20.000



	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	14					14.000
	Total Quantity						14.000 point
	Total Deducted Quantity						0.000 point
	Net Total Quantity						14.000 point
	Say 14.000 point @ Rs 1169.63 / point						<b>Rs 16374.82</b>
27	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	1	10.000				10.000
	Total Quantity						10.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						10.000 metre
	Say 10.000 metre @ Rs 237.16 / metre						<b>Rs 2371.60</b>
28	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 required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire						
	1.14.1	1	100.000				100.000
	Total Quantity						100.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						100.000 metre
	Say 100.000 metre @ Rs 172.48 / metre						<b>Rs 17248.00</b>
29	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						
		100					100.000
	Total Quantity						100.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						100.000 metre
	Say 100.000 metre @ Rs 196.74 / metre						<b>Rs 19674.00</b>
30	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						
		50					50.000
	Total Quantity						50.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						50.000 metre
	Say 50.000 metre @ Rs 237.16 / metre						<b>Rs 11858.00</b>
31	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						
		50					50.000
	Total Quantity						50.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						50.000 metre
	Say 50.000 metre @ Rs 106.45 / metre						<b>Rs 5322.50</b>
32	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 109.15 / metre						<b>Rs 3274.50</b>
33	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.						
	1.25	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 404.25 / each						<b>Rs 808.50</b>
34	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 37.73 / each						<b>Rs 377.30</b>		
35	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)							
		6					6.000		
	Total Quantity						6.000	each	
	Total Deducted Quantity						0.000	each	
	Net Total Quantity						6.000	each	
	Say 6.000 each @ Rs 315.32 / each						<b>Rs 1891.92</b>		
36	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)							
		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 338.22 / each						<b>Rs 1352.88</b>		
37	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)							
		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 393.47 / each						<b>Rs 1573.88</b>		
38	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	





	required.3 Module								
		6					6.000		
		Total Quantity					6.000	each	
		Total Deducted Quantity					0.000	each	
		Net Total Quantity					6.000	each	
		Say 6.000 each @ Rs 150.92 / each					<b>Rs 905.52</b>		
44	1.28.3 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.4 Module								
		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 163.05 / each					<b>Rs 652.20</b>		
45	1.28.4 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.6 Module								
		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 196.74 / each					<b>Rs 786.96</b>		
46	1.41 Installation, testing and commissioning of pre - wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.								
		25					25.000		
		Total Quantity					25.000	each	
		Total Deducted Quantity					0.000	each	
		Net Total Quantity					25.000	each	
		Say 25.000 each @ Rs 198.08 / each					<b>Rs 4952.00</b>		
47	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.								
		4					4.000		
		Total Quantity					4.000	each	





	Say 8.000 each @ Rs 1222.10 / each							<b>Rs 9776.80</b>
56	od143097/2021_2022 Supply of 450mm sweep wall fan on surface including mouting and providing all accessories required for complete installation, testing, commisioning 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							<b>Rs 3103.52</b>
57	od143098/2021_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). 							
		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 2499.55 / each							<b>Rs 9998.20</b>
58	od143099/2021_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							<b>Rs 20907.00</b>
59	od143100/2021_2022 Supply of LED bulkhead luminaire that fits seamlessly in a variety of applications, consuming a power of 6 W , lumen output greater than 700 lumens with a system efficacy > 110 lm/W. The luminaire shall housing shall be made of High Pressure diecast aluminum with a UV stabilised polycarbonate diffuser, IP							

	66 and IK 09 protection. The luminaire shall have a power factor > 0.9 and shall have 50,000 burning hours as per L70 criteria. The luminaire shall be BIS certified and shall comply all IEC safety requirements and test certificates of LM79 and LM80 reports shall be submitted. (Make : Philips WT202W LED6S CW PSU S1 PC or equivalent)  								
		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 1742.25 / each					<b>Rs 17422.50</b>		
60	od143101/2021_2022 Supply of 4 feet surface mounted battern type luminaire with a power consumption not more than 20 W, luminaire lumen output of 2000 lumens, luminaire efficacy > 120 lm/W with an operanting voltage range from 140 V - 270 V. The luminaire shall have a white CRCA housing with a poly carbonate diffuser to provide uniform light and a sleek design. The luminaire shall have a CCT of 6500 K , CRI > 80, power factor >0.95, SDCM < 5, THD <10% and 50,000 burning hours as per L70B50 criteria. The luminaire shall have flicker content <5% and shall have high and low cut off with auto restart feature. The luminaire shall be EMI/ EMC compliant and shall have a internal surge protection of 4 kV. The luminaire shall have Class - 1 Electrical Insulation, Class - B Serviceability (The driver can be replaced at site level). The luminaire and driver shall be BIS approved and test certificates of LM79 and LM80 reports shall be submitted. (Make: Philips BN308 LED20S 6500 L120 PSU WH or equivalent)  								
		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 1684.18 / each					<b>Rs 16841.80</b>		
61	od143102/2021_2022 Supply, fixing, testing and commisioning of following rating and pole Isolator in existing Seven Segment Distribution Board, tier DBs and Vertical distribution board with spreadear links, terminal connections and all accesories as required making all necessary connections etc as required and instructed by engineer in charge/consultant. 								
		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 1080.76 / each					<b>Rs 1080.76</b>		
62	od143103/2021_2022 Supplying, fixing, testing and commissioning following four pole and double pole , 415 volts and 240 volts, residual current circuit breaker with overload protection (RCBO) of the following rating and sensitivity current in the existing MCB SPN and TPN horizontal/vertical DB's complete with connections,								

	etc. as required and instructed by engineer in charge/consultant. 25A 100mA FP RCBO 						
		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 5595.11 / each						<b>Rs 11190.22</b>
63	od235960/2021_2022 Design, fabrication, supply, installation, testing and commissioning of cubicle type dust and vermin proof, made out of 16SWG /1.6 mm thick CRCA sheet duely rust inhibited,zinc passivated, phosphated and powder coated with approved colour, hinged and earthed front doors with name plate, danger notice board,heavy duty rubber gaskets removable gland plates made out of 2mm thick sheet steel as per specifications and interconnected with suitable AI Busbar. Rate shall be inclusive of necessary relays, control wirings and terminations as required and as instructed by engineer in charge - Main panel Incomer 1 :125A FP 25kA Microprocessor based MCCB ; Incomer 2 :125A FP 25A Microprocessor based MCCB ; Incomer 3 :125A FP 25A ATS with AMF; 125A 415V, 25kA best conductivity AI extensible TPN bus bar with SMC supports, heat shrinkable sleeves etc complete as required; RYB phase indicating LED lamps with control fuses and switches - 2 sets; Multi Function Digital Meter with CT, control fuses etc - 2 Nos.; Class B & Class C/ Class 1 & Class 2 Surge arrestor device - 1 Nos.;  Outgoings: 32A TPN SDF with 25A HRC fuse- 10 Nos.; 32A TP MCB - 2 Nos;						
		1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 336042.52 / no						<b>Rs 336042.52</b>
64	od145001/2021_2022 Supply and fixing the following accessories in the existing meter board and giving connections etc.100A HRC fuse base with fuse link 						
		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 548.00 / each						<b>Rs 1644.00</b>
65	od145012/2021_2022 Supply and fixing 100A TPN SDF on wall using suitable steel fastners. 						
		1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no







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 15000.00 / set							<b>Rs 15000.00</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>4 Appendix E Mechanical-E1-Fabrication, Supply, Erection and assembling of MS &amp; SS EMBEDDED PARTS</b>								
1	od51230/2022_2023 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
PLATES for PRIMARY EMBEDDED PARTS								
	Plate type-4 - anchor rod fixing-SILL BEAM	26*8	0.2300	0.100	0.010	7850.0	375.545	
	Plate type-3 - anchor rod fixing-SIDE Guide	30*8	0.200	0.100	0.010	7850.0	376.801	
	Plate type-3 - anchor rod fixing-U/S Guide	22*8	0.200	0.100	0.010	7850.0	276.321	
	Plate type-3 - anchor rod fixing-ROLLER TRACK	24*8	0.200	0.100	0.010	7850.0	301.441	
	Plate type-2 - anchor rod fixing-U/S Guide	22*8	0.100	0.100	0.010	7850.0	138.161	
	Plate type-2 - anchor rod fixing-Roller Track	24*8	0.100	0.100	0.010	7850.0	150.721	
PLATES for SECONDARY EMBEDDED PARTS								
	Sill Beam	26*8	0.230	0.100	0.010	7850.0	375.545	2a
	SILL BEAM	50*8	0.200	0.0470	0.008	7850.0	236.128	3
	SILL BEAM	2*8	0.200	0.141	0.008	7850.0	28.336	4
	ROLLER TRACK	4*8	6.000	0.200	0.016	7850.0	4823.041	10
	ROLLER TRACK	2*8	6.000	0.200	0.016	7850.0	2411.521	11
	ROLLER TRACK	2*8	6.000	0.255	0.008	7850.0	1537.344	12
	ROLLER TRACK	22*8	0.232	0.200	0.008	7850.0	512.850	13
	ROLLER TRACK	22*8	0.200	0.090	0.008	7850.0	198.951	14

	Side Guide	30*8	0.200	0.100	0.008	7850.0	301.441	19	
	U/S Roller Track	4*8	6.000	0.150	0.016	7850.0	3617.280	22	
	U/S Roller Track	2*8	6.000	0.230	0.016	7850.0	2773.249	23	
	U/S Roller Track	2*8	6.000	0.345	0.008	7850.0	2079.936	24	
	U/S Roller Track	24*8	0.232	0.300	0.008	7850.0	839.209	25	
	U/S Roller Track	24*8	0.300	0.060	0.008	7850.0	217.037	26	
	Total Quantity						21570.858 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						21570.858 kg		
	Say 21570.858 kg @ Rs 79.04 / kg						<b>Rs 1704960.62</b>		
2	od51456/2022_2023 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	ISA for PRIMARY EMBEDDED PARTS								
	ISA for Anchor rod fixing plate 65x65x8 - ROLLER TRACK	2*8	7.615			7.7	938.168	Not shown in dwg	
	ISA for Anchor rod fixing plate 35x35x6 - ROLLER TRACK	2*8	7.615			3.0	365.520	Not shown in dwg	
	ISA for Anchor rod fixing plate 35x35x6 - SIDE SEAL	4*8	7.615			3.0	731.040	Not shown in dwg	
	ISA for Anchor rod fixing plate 65x65x8 - GUIDE	2*8	7.615			7.7	938.168	Not shown in dwg	
	ISA for Anchor rod fixing plate 65x65x8 - SILL BEAM	1*8	12.800			7.7	788.480	Not shown in dwg	
	MS SECTIONS for SECONDARY EMBEDDED PARTS								
	Sill beam - ISMB 200x100	1*8	12.800			25.4	2600.960		
	Cleat ISA 75x75x8- SILL BEAM	4*8	0.070			9.03	20.228		
	Alignment ISA75x75x6- ROLLER TRACK	22*8	0.080			9.03	127.143		

	Side seal track base ISA 130x130x10 - SIDE SEAL	2*8	7.150			19.7	2253.680	
	Total Quantity						8763.387 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						8763.387 kg	
	Say 8763.387 kg @ Rs 75.75 / kg						<b>Rs 663826.57</b>	
3	od51555/2022_2023 Supply of MS round bar including cost of conveyance charges							
	MS rounds bars for PRIMARY EMBEDDED PARTS							
	J-type Anchor rod - 16mm rod - SILL BEAM	52*8	0.296			1.58	194.555	
	Inclined support - - 16mm rod -SILL BEAM	28*8	0.750			1.58	265.440	
	Vertical support -- 16mm rod - SILL BEAM	13*8	0.500			1.58	82.160	
	J-type Anchor rod - 16mm rod - SIDE SEAL	60*8	0.296			1.58	224.487	
	J-type Anchor rod - 16mm rod - U/s GUIDE	22*8	0.296			1.58	82.312	
	J-type Anchor rod - 16mm rod - ROLLER TRACK	96*8	0.296			1.58	359.179	
	MS rounds bars for SECONDARY EMBEDDED PARTS							
	Alignment rod -16mm rod - SILL BEAM	52*8	0.170			1.58	111.738	8
	Alignment rod- - 16mm rod - ROLLER TRACK	44*8	0.150			1.58	83.424	
	Roller Track	22*8	0.085			1.58	23.637	
	Alignment rod-2 - 16mm rod - Side Guide	60*8	0.110			1.58	83.424	

	Alignment rod -16mm rod - U/S Roller Track	48*8	0.110			1.58	66.740	
	Total Quantity						1577.096 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1577.096 kg	
	Say 1577.096 kg @ Rs 72.47 / kg						<b>Rs 114292.15</b>	
4	od119043/2021_2022 Supply of Bolt and Nut up to 300mm Length including cost of conveyance.							
	BOLT, NUT & WASHER for PRIMARY & SECONDARY EMBEDDED PARTS							
	M16 -55 LG Hex. bolt with nut & washers	4*8				0.14	4.480	
	MS rounds bars for SECONDARY EMBEDDED PARTS							
	Alignment rod -16mm rod - SILL BEAM	52*8				0.16	66.560	8
	Alignment rod - 16mm rod - ROLLER TRACK	44*8				0.16	56.320	
	Roller Track	22*8				0.16	28.160	
	Alignment rod-2 - 16mm rod - Side Guide	60*8				0.16	76.800	
	Alignment rod -16mm rod - U/S Roller Track	48*8				0.16	61.440	
	Total Quantity						293.760 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						293.760 kg	
	Say 293.760 kg @ Rs 75.27 / kg						<b>Rs 22111.32</b>	
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							
	PLATES for PRIMARY EMBEDDED PARTS							
	Plate type-4 - anchor rod fixing-SILL BEAM	26*8	0.2300	0.100	0.010	7850.0	375.545	
	Plate type-3 - anchor rod fixing-SIDE Guide	30*8	0.200	0.100	0.010	7850.0	376.801	

	Plate type-3 - anchor rod fixing-U/S Guide	22*8	0.200	0.100	0.010	7850.0	276.321	
	Plate type-3 - anchor rod fixing-ROLLER TRACK d f	24*8	0.200	0.100	0.010	7850.0	301.441	
	Plate type-2 - anchor rod fixing-U/S Guide	22*8	0.100	0.100	0.010	7850.0	138.161	
	Plate type-2 - anchor rod fixing-Roller Track	24*8	0.100	0.100	0.010	7850.0	150.721	
PLATES for SECONDARY EMBEDDED PARTS								
	Sill Beam	26*8	0.230	0.100	0.010	7850.0	375.545	2a
	SILL BEAM	50*8	0.200	0.0470	0.008	7850.0	236.128	3
	SILL BEAM	2*8	0.200	0.141	0.008	7850.0	28.336	4
	ROLLER TRACK	4*8	6.000	0.200	0.016	7850.0	4823.041	10
	ROLLER TRACK	2*8	6.000	0.200	0.016	7850.0	2411.521	11
	ROLLER TRACK	2*8	6.000	0.255	0.008	7850.0	1537.344	12
	ROLLER TRACK	22*8	0.232	0.200	0.008	7850.0	512.850	13
	ROLLER TRACK	22*8	0.200	0.090	0.008	7850.0	198.951	14
	Side Guide	30*8	0.200	0.100	0.008	7850.0	301.441	19
	U/S Roller Track	4*8	6.000	0.150	0.016	7850.0	3617.280	22
	U/S Roller Track	2*8	6.000	0.230	0.016	7850.0	2773.249	23
	U/S Roller Track	2*8	6.000	0.345	0.008	7850.0	2079.936	24
	U/S Roller Track	24*8	0.232	0.300	0.008	7850.0	839.209	25
	U/S Roller Track	24*8	0.300	0.060	0.008	7850.0	217.037	26
ISA for PRIMARY EMBEDDED PARTS								
	ISA for Anchor rod fixing plate 65x65x8 - ROLLER TRACK	2*8	7.615			7.7	938.168	Not shown in dwg
	ISA for Anchor rod fixing plate 35x35x6 - ROLLER TRACK	2*8	7.615			3.0	365.520	Not shown in dwg
	ISA for Anchor rod fixing plate 35x35x6 - SIDE SEAL	4*8	7.615			3.0	731.040	Not shown in dwg
	ISA for Anchor rod fixing plate 65x65x8 - GUIDE	2*8	7.615			7.7	938.168	Not shown in dwg

ISA for Anchor rod fixing plate 65x65x8 - SILL BEAM	1*8	12.800			7.7	788.480	Not shown in dwg
MS SECTIONS for SECONDARY EMBEDDED PARTS							
Sill beam - ISMB 200x100	1*8	12.800			25.4	2600.960	
Cleat ISA 75x75x8- SILL BEAM	4*8	0.070			9.03	20.228	
A l i g n m e n t ISA75x75x6- ROLLER TRACK	22*8	0.080			9.03	127.143	
Side seal track base ISA130x130x10 - SIDE SEAL	2*8	7.150			19.7	2253.680	
MS rounds bars for PRIMARY EMBEDDED PARTS							
J-type Anchor rod - 16mm rod - SILL BEAM	52*8	0.296			1.58	194.555	
Inclined support - - 16mm rod -SILL BEAM	28*8	0.750			1.58	265.440	
Vertical support -- 16mm rod - SILL BEAM	13*8	0.500			1.58	82.160	
J-type Anchor rod - 16mm rod - SIDE SEAL	60*8	0.296			1.58	224.487	
J-type Anchor rod - 16mm rod - U/s GUIDE	22*8	0.296			1.58	82.312	
J-type Anchor rod - 16mm rod - ROLLER TRACK	96*8	0.296			1.58	359.179	
MS rounds bars for SECONDARY EMBEDDED PARTS							
Alignment rod -16mm rod - SILL BEAM	52*8	0.170			1.58	111.738	8
Alignment rod- - 16mm rod - ROLLER TRACK	44*8	0.150			1.58	83.424	

	Roller Track	22*8	0.085			1.58	23.637		
	Alignment rod-2 - 16mm rod - Side Guide	60*8	0.110			1.58	83.424		
	Alignment rod -16mm rod - U/S Roller Track	48*8	0.110			1.58	66.740		
	Total Quantity						31911.341 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						31911.341 kg		
	Say 31911.341 kg @ Rs 95.10 / kg						<b>Rs 3034768.53</b>		
6	od119056/2021_2022 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								
	SS MATERIALS for SECONDARY EMBEDDED PARTS								
	Cladding - SILL BEAM	1*8	12.800	0.120	0.008	7900.0	776.602		
	SILL BEAM	2*8	0.400	0.100	0.008	7900.0	40.449		
	Cladding - ROLLER TRACK	2*8	6.000	0.150	0.016	7900.0	1820.160		
	Cladding-SIDE Guide	2*8	7.600	0.120	0.020	7900.0	2305.536		
	SIDE Guide	2*8	3.500	0.080	0.008	7900.0	283.136		
	SIDE Guide	2*8	3.500	0.080	0.008	7900.0	283.136		
	U/S Roller Track	2*8	6.000	0.120	0.016	7900.0	1456.128		
	Total Quantity						6965.147 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						6965.147 kg		
	Say 6965.147 kg @ Rs 529.68 / kg						<b>Rs 3689299.06</b>		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>5 E2-Supply of materials, fabrication, painting and erection of MS REGULATING GATES</b>									
1	od51230/2022_2023 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges								
	MS PLATES for REGULATING GATE								
	Skinplate	1*8	12.350	1.300	0.010	7850.0	10082.540	1	
	Skinplate	1*8	12.350	1.700	0.010	7850.0	13184.860	2	



	End Box Plate	4*8	1.300	0.490	0.010	7850.0	1600.145	3
	End Box Plate	4*8	1.700	0.490	0.010	7850.0	2092.496	4
	Stiffner connecting to end girder	20*8	0.485	0.170	0.008	7850.0	828.458	5
	Plate Sk Plt & End Box	8*8	0.200	0.200	0.010	7850.0	200.961	6
	Plate Sk Plt & End Box	8*8	0.200	0.200	0.010	7850.0	200.961	7
	Plate 150 mm dia 16 thk	8*8	3.14/4	.15*.15	0.016	7850.0	141.979	8
	Horizontal Girder	4*8	11.936	1.000	0.008	7850.0	23986.586	10
	Horizontal Girder	2*8	12.790	0.240	0.010	7850.0	3855.418	11
	Horizontal Girder	2*8	12.790	0.200	0.010	7850.0	3212.848	12
	Stiffner top & bottom of Horizontal girder	32*8	0.850	0.090	0.008	7850.0	1229.876	13
	Vertical Stiffners	3*8	0.570	1.000	0.008	7850.0	859.104	15
	Vertical Stiffners	3*8	0.692	1.000	0.008	7850.0	1042.983	16
	Vertical Stiffners	5*8	0.684	1.000	0.008	7850.0	1718.208	16a
	Vertical Stiffners	5*8	0.316	1.000	0.008	7850.0	793.792	17
	Vertical Stiffners	5*8	0.366	1.000	0.008	7850.0	919.392	18
	Vertical Stiffners	5*8	0.492	1.000	0.008	7850.0	1235.905	19
	Vertical Stiffners	5*8	0.341	1.000	0.008	7850.0	856.593	20
	Vertical Stiffners	24*8	0.570	0.150	0.008	7850.0	1030.925	21
	Vertical Stiffners	24*8	0.692	0.150	0.008	7850.0	1251.579	22
	Vertical Stiffners	24*8	0.316	0.150	0.008	7850.0	571.531	23
	Vertical stiffner	24*8	0.366	0.150	0.008	7850.0	661.963	24
	Vertical stiffner	24*8	0.492	0.150	0.008	7850.0	889.851	25
	Vertical stiffner	24*8	0.341	0.150	0.008	7850.0	616.747	26
	Vertical stiffner	3*8	0.474	0.150	0.010	7850.0	133.953	30
	Vertical stiffner	5*8	0.500	0.150	0.010	7850.0	235.500	31
	Vertical stiffner	5*8	0.220	0.150	0.010	7850.0	103.620	32
	Vertical stiffner	5*8	0.250	0.150	0.010	7850.0	117.750	33
	Vertical stiffner	5*8	0.260	0.150	0.010	7850.0	122.460	34
	Vertical stiffner	4*8	0.570	0.250	0.008	7850.0	286.368	35

	Vertical stiffner	4*8	0.570	0.450	0.008	7850.0	515.463	36
	Splice plate-	1*8	11.896	0.150	0.010	7850.0	1120.604	37
	Splice plate	1*8	12.080	0.150	0.010	7850.0	1137.936	39
	Splice plate	4*8	0.450	0.150	0.010	7850.0	169.560	41
	Splice plate	5*8	0.500	0.150	0.010	7850.0	235.500	43
	Seal Assy	2*8	3.000	0.040	0.010	7850.0	150.720	49
	Seal Assy	2*8	3.000	0.157	0.010	7850.0	591.576	50
	Seal Assy	1*8	11.762	0.070	0.010	7850.0	517.058	54
	Seal Assy	1*8	11.762	0.020	0.020	7850.0	295.462	55
	Lifting	8*8	0.120	0.050	0.010	7850.0	30.145	60
	Lifting	4*8	0.180	0.180	0.010	7850.0	81.389	61
	Lifting	2*8	0.815	0.440	0.008	7850.0	360.322	62
	Lifting	4*8	0.450	0.400	0.020	7850.0	904.320	63
	Lifting	1*8	0.120	0.090	0.010	7850.0	6.783	65
	Bearing plate - dogging beam	4*8	0.400	0.400	0.012	7850.0	482.305	
	Dogging beam flange	4*8	1.450	0.120	0.016	7850.0	699.341	
	Dogging beam web	4*8	1.450	0.200	0.016	7850.0	1165.568	
	Inside stiffner - dogging beam	12*8	0.220	0.0880	0.012	7850.0	175.077	
	End stiffner - dogging beam	12*8	0.220	0.100	0.016	7850.0	265.268	
	Total Quantity						82969.749 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						82969.749 kg	
	Say 82969.749 kg @ Rs 79.04 / kg						<b>Rs 6557928.96</b>	
2	od51456/2022_2023 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	MS SECTION for REGULATING GATE							
	Horizontal girder top of gate -ISMC 200x75	1*8	11.936			22.1	2110.285	
	Bracing - 1 I S A 100 x 100 x 8	4*8	0.986			12.1	381.780	

	Bracing - 2 ISA 100x100x8	4*8	0.692			12.1	267.943		
	Bracing - 3 ISA 100x100x8	4*8	0.492			12.1	190.503		
	Side seal Clamp ISA75x75x8	2*8	3.000			8.9	427.201		
	Sliding protector - ISA75x75x8 dogging beam	8*8	0.272			8.9	154.932		
	Total Quantity						3532.644 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						3532.644 kg		
	Say 3532.644 kg @ Rs 75.75 / kg						<b>Rs 267597.78</b>		
3	od51555/2022_2023 Supply of MS round bar including cost of conveyance charges								
	MS ROUND for REGULATING GATE								
	J-type anchor rod - Dogging beam - dia 20 mm rod	16*8	0.350			2.47	110.656		
	Hook-Dogging beam dia16mm rod	4*8	0.305			1.58	15.421		
	Total Quantity						126.077 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						126.077 kg		
	Say 126.077 kg @ Rs 72.47 / kg						<b>Rs 9136.80</b>		
4	od119060/2021_2022 Supply of Bolt and Nut up to 300mm Length including cost of conveyance								
	MS BOLT AND NUT WITH WASHER for REGULATING GATES								
	M16X50mm Length Bolt with Washer (GI)	56*8				0.14	62.721		
	M16X40mm Length Bolt with Washer (GI)	32*8				0.11	28.160		
	M16X60mm Length Bolt with Nut and Washer (GI)	80*8				0.16	102.400		

	M16X60mm Length Bolt with Nut and with Washer (GI)	40*8				0.16	51.200		
	M16X70mm Length Bolt with Nut and with Washer (GI)	16*8				0.17	21.760		
	Total Quantity						266.241 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						266.241 kg		
	Say 266.241 kg @ Rs 75.27 / kg						<b>Rs 20039.96</b>		
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								
	MS PLATES for REGULATING GATE								
	Skinplate	1*8	12.350	1.300	0.010	7850.0	10082.540	1	
	Skinplate	1*8	12.350	1.700	0.010	7850.0	13184.860	2	
	End Box Plate	4*8	1.300	0.490	0.010	7850.0	1600.145	3	
	End Box Plate	4*8	1.700	0.490	0.010	7850.0	2092.496	4	
	Stiffner connecting to end girder	20*8	0.485	0.170	0.008	7850.0	828.458	5	
	Plate Sk Plt & End Box	8*8	0.200	0.200	0.010	7850.0	200.961	6	
	Plate Sk Plt & End Box	8*8	0.200	0.200	0.010	7850.0	200.961	7	
	Plate 150 mm dia 16 thk	8*8	3.14/4	.15*.15	0.016	7850.0	141.979	8	
	Horizontal Girder	4*8	11.936	1.000	0.008	7850.0	23986.586	10	
	Horizontal Girder	2*8	12.790	0.240	0.010	7850.0	3855.418	11	
	Horizontal Girder	2*8	12.790	0.200	0.010	7850.0	3212.848	12	
	Stiffner top & bottom of Horizontal girder	32*8	0.850	0.090	0.008	7850.0	1229.876	13	
	Vertical Stiffners	3*8	0.570	1.000	0.008	7850.0	859.104	15	
	Vertical Stiffners	3*8	0.692	1.000	0.008	7850.0	1042.983	16	
	Vertical Stiffners	5*8	0.684	1.000	0.008	7850.0	1718.208	16a	
	Vertical Stiffners	5*8	0.316	1.000	0.008	7850.0	793.792	17	

	Vertical Stiffners	5*8	0.366	1.000	0.008	7850.0	919.392	18
	Vertical Stiffners	5*8	0.492	1.000	0.008	7850.0	1235.905	19
	Vertical Stiffners	5*8	0.341	1.000	0.008	7850.0	856.593	20
	Vertical Stiffners	24*8	0.570	0.150	0.008	7850.0	1030.925	21
	Vertical Stiffners	24*8	0.692	0.150	0.008	7850.0	1251.579	22
	Vertical Stiffners	24*8	0.316	0.150	0.008	7850.0	571.531	23
	Vertical stiffner	24*8	0.366	0.150	0.008	7850.0	661.963	24
	Vertical stiffner	24*8	0.492	0.150	0.008	7850.0	889.851	25
	Vertical stiffner	24*8	0.341	0.150	0.008	7850.0	616.747	26
	Vertical stiffner	3*8	0.474	0.150	0.010	7850.0	133.953	30
	Vertical stiffner	5*8	0.500	0.150	0.010	7850.0	235.500	31
	Vertical stiffner	5*8	0.220	0.150	0.010	7850.0	103.620	32
	Vertical stiffner	5*8	0.250	0.150	0.010	7850.0	117.750	33
	Vertical stiffner	5*8	0.260	0.150	0.010	7850.0	122.460	34
	Vertical stiffner	4*8	0.570	0.250	0.008	7850.0	286.368	35
	Vertical stiffner	4*8	0.570	0.450	0.008	7850.0	515.463	36
	Splice plate-	1*8	11.896	0.150	0.010	7850.0	1120.604	37
	Splice plate	1*8	12.080	0.150	0.010	7850.0	1137.936	39
	Splice plate	4*8	0.450	0.150	0.010	7850.0	169.560	41
	Splice plate	5*8	0.500	0.150	0.010	7850.0	235.500	43
	Seal Assy	2*8	3.000	0.040	0.010	7850.0	150.720	49
	Seal Assy	2*8	3.000	0.157	0.010	7850.0	591.576	50
	Seal Assy	1*8	11.762	0.070	0.010	7850.0	517.058	54
	Seal Assy	1*8	11.762	0.020	0.020	7850.0	295.462	55
	Lifting	8*8	0.120	0.050	0.010	7850.0	30.145	60
	Lifting	4*8	0.180	0.180	0.010	7850.0	81.389	61
	Lifting	2*8	0.815	0.440	0.008	7850.0	360.322	62
	Lifting	4*8	0.450	0.400	0.020	7850.0	904.320	63
	Lifting	1*8	0.120	0.090	0.010	7850.0	6.783	65
	Bearing plate - dogging beam	4*8	0.400	0.400	0.012	7850.0	482.305	
	Dogging beam flange	4*8	1.450	0.120	0.016	7850.0	699.341	
	Dogging beam web	4*8	1.450	0.200	0.016	7850.0	1165.568	

	In side stiffner - dogging beam	12*8	0.220	0.0880	0.012	7850.0	175.077	
	End stiffner - dogging beam	12*8	0.220	0.100	0.016	7850.0	265.268	
<b>MS SECTION for REGULATING GATE</b>								
	Horizontal girder top of gate -ISMC 200x75	1*8	11.936			22.1	2110.285	
	Bracing - 1 ISA 100x100x8	4*8	0.986			12.1	381.780	
	Bracing - 2 ISA 100x100x8	4*8	0.692			12.1	267.943	
	Bracing - 3 ISA 100x100x8	4*8	0.492			12.1	190.503	
	Side seal Clamp ISA75x75x8	2*8	3.000			8.9	427.201	
	Sliding protector - ISA75x75x8 dogging beam	8*8	0.272			8.9	154.932	
<b>MS ROUND for REGULATING GATE</b>								
	J-type anchor rod - Dogging beam - dia 20 mm rod	16*8	0.350			2.47	110.656	
	Hook-Dogging beam dia16mm rod	4*8	0.305			1.58	15.421	
Total Quantity							86628.470 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							86628.470 kg	
Say 86628.470 kg @ Rs 81.95 / kg							<b>Rs 7099203.12</b>	
6	<p>85.112</p> <p>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&amp;P etc complete as per the direction of departmental officer at site</p>							
<b>MS PLATES for REGULATING GATE</b>								
	Skinplate	1*8	12.350	1.300		2.0	256.880	1

	Skinplate	1*8	12.350	1.700		2.0	335.920	2
	End Box Plate	4*8	1.300	0.490		2.0	40.768	3
	End Box Plate	4*8	1.700	0.490		2.0	53.312	4
	Stiffner connecting to end girder	20*8	0.485	0.170		2.0	26.385	5
	Plate Sk Plt & End Box	8*8	0.200	0.200		2.0	5.121	6
	Plate Sk Plt & End Box	8*8	0.200	0.200		2.0	5.121	7
	Plate 150 mm dia 16 thk	8*8	3.14/4	.15*.15		2.0	2.261	8
	Horizontal Girder	4*8	11.936	1.000		2.0	763.904	10
	Horizontal Girder	2*8	12.790	0.240		2.0	98.228	11
	Horizontal Girder	2*8	12.790	0.200		2.0	81.856	12
	Stiffner top & bottom of Horizontal girder	32*8	0.850	0.090		2.0	39.168	13
	Vertical Stiffners	3*8	0.570	1.000		2.0	27.360	15
	Vertical Stiffners	3*8	0.692	1.000		2.0	33.216	16
	Vertical Stiffners	5*8	0.684	1.000		2.0	54.721	16a
	Vertical Stiffners	5*8	0.316	1.000		2.0	25.280	17
	Vertical Stiffners	5*8	0.366	1.000		2.0	29.280	18
	Vertical Stiffners	5*8	0.492	1.000		2.0	39.360	19
	Vertical Stiffners	5*8	0.341	1.000		2.0	27.280	20
	Vertical Stiffners	24*8	0.570	0.150		2.0	32.832	21
	Vertical Stiffners	24*8	0.692	0.150		2.0	39.860	22
	Vertical Stiffners	24*8	0.316	0.150		2.0	18.202	23
	Vertical stiffner	24*8	0.366	0.150		2.0	21.082	24
	Vertical stiffner	24*8	0.492	0.150		2.0	28.340	25
	Vertical stiffner	24*8	0.341	0.150		2.0	19.642	26
	Vertical stiffner	3*8	0.474	0.150		2.0	3.413	30
	Vertical stiffner	5*8	0.500	0.150		2.0	6.000	31
	Vertical stiffner	5*8	0.220	0.150		2.0	2.640	32
	Vertical stiffner	5*8	0.250	0.150		2.0	3.000	33
	Vertical stiffner	5*8	0.260	0.150		2.0	3.120	34

	Vertical stiffner	4*8	0.570	0.250		2.0	9.120	35
	Vertical stiffner	4*8	0.570	0.450		2.0	16.416	36
	Splice plate-	1*8	11.896	0.150		2.0	28.551	37
	Splice plate	1*8	12.080	0.150		2.0	28.992	39
	Splice plate	4*8	0.450	0.150		2.0	4.320	41
	Splice plate	5*8	0.500	0.150		2.0	6.000	43
	Seal Assy	2*8	3.000	0.040		2.0	3.840	49
	Seal Assy	2*8	3.000	0.157		2.0	15.072	50
	Seal Assy	1*8	11.762	0.070		2.0	13.174	54
	Seal Assy	1*8	11.762	0.020		2.0	3.764	55
	Lifting	8*8	0.120	0.050		2.0	0.768	60
	Lifting	4*8	0.180	0.180		2.0	2.074	61
	Lifting	2*8	0.815	0.440		2.0	11.476	62
	Lifting	4*8	0.450	0.400		2.0	11.521	63
	Lifting	1*8	0.120	0.090		2.0	0.173	65
	Bearing plate - dogging beam	4*8	0.400	0.400		2.0	10.241	
	Dogging beam flange	4*8	1.450	0.120		2.0	11.136	
	Dogging beam web	4*8	1.450	0.200		2.0	18.560	
	Inside stiffner - dogging beam	12*8	0.220	0.0880		2.0	3.718	
	End stiffner - dogging beam	12*8	0.220	0.100		2.0	4.224	
MS SECTION for REGULATING GATE								
	Horizontal girder top of gate -ISMC 200x75	1*8	11.936			0.7	66.842	
	Bracing - 1 ISA 1 00 x 100 x 8	4*8	0.986			0.4	12.621	
	Bracing - 2 ISA 1 00 x 100 x 8	4*8	0.692			0.4	8.858	
	Bracing - 3 ISA 1 00 x 100 x 8	4*8	0.492			0.4	6.298	
	Side seal Clamp ISA 75x75x8	2*8	3.000			0.3	14.400	



	Sliding protector - ISA75x75x8 dogging beam	8*8	0.232			0.3	4.455	
MS ROUND for REGULATING GATE								
	J-type anchor rod - Dogging beam - dia 20 mm rod	16*8	0.350		0.020	3.14	2.814	
	Hook-Dogging beam dia16mm rod	4*8	0.305		0.016	3.14	0.491	
Total Quantity							2443.471 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							2443.471 sqm	
Say 2443.471 sqm @ Rs 835.00 / sqm							<b>Rs 2040298.29</b>	
7	od119063/2021_2022 Supply and stacking of dia 8 mm SS-304 chain, including cost of materials,  conveyance etc. complete 							
SS-304 chain								
	Chain	2*8	2.000				32.000	
Total Quantity							32.000 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							32.000 metre	
Say 32.000 metre @ Rs 764.27 / metre							<b>Rs 24456.64</b>	
8	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							
MS PLATES for REGULATING GATE								
	Skinplate	1*8	12.350	1.300	0.010	7850.0	10082.540	1
	Skinplate	1*8	12.350	1.700	0.010	7850.0	13184.860	2
	End Box Plate	4*8	1.300	0.490	0.010	7850.0	1600.145	3
	End Box Plate	4*8	1.700	0.490	0.010	7850.0	2092.496	4
	Stiffner connecting to end girder	20*8	0.485	0.170	0.008	7850.0	828.458	5
	Plate Sk Plt & End Box	8*8	0.200	0.200	0.010	7850.0	200.961	6
	Plate Sk Plt & End Box	8*8	0.200	0.200	0.010	7850.0	200.961	7

	Plate 150 mm dia 16 thk	8*8	3.14/4	.15*.15	0.016	7850.0	141.979	8
	Horizontal Girder	4*8	11.936	1.000	0.008	7850.0	23986.586	10
	Horizontal Girder	2*8	12.790	0.240	0.010	7850.0	3855.418	11
	Horizontal Girder	2*8	12.790	0.200	0.010	7850.0	3212.848	12
	Stiffner top & bottom of Horizontal girder	32*8	0.850	0.090	0.008	7850.0	1229.876	13
	Vertical Stiffners	3*8	0.570	1.000	0.008	7850.0	859.104	15
	Vertical Stiffners	3*8	0.692	1.000	0.008	7850.0	1042.983	16
	Vertical Stiffners	5*8	0.684	1.000	0.008	7850.0	1718.208	16a
	Vertical Stiffners	5*8	0.316	1.000	0.008	7850.0	793.792	17
	Vertical Stiffners	5*8	0.366	1.000	0.008	7850.0	919.392	18
	Vertical Stiffners	5*8	0.492	1.000	0.008	7850.0	1235.905	19
	Vertical Stiffners	5*8	0.341	1.000	0.008	7850.0	856.593	20
	Vertical Stiffners	24*8	0.570	0.150	0.008	7850.0	1030.925	21
	Vertical Stiffners	24*8	0.692	0.150	0.008	7850.0	1251.579	22
	Vertical Stiffners	24*8	0.316	0.150	0.008	7850.0	571.531	23
	Vertical stiffner	24*8	0.366	0.150	0.008	7850.0	661.963	24
	Vertical stiffner	24*8	0.492	0.150	0.008	7850.0	889.851	25
	Vertical stiffner	24*8	0.341	0.150	0.008	7850.0	616.747	26
	Vertical stiffner	3*8	0.474	0.150	0.010	7850.0	133.953	30
	Vertical stiffner	5*8	0.500	0.150	0.010	7850.0	235.500	31
	Vertical stiffner	5*8	0.220	0.150	0.010	7850.0	103.620	32
	Vertical stiffner	5*8	0.250	0.150	0.010	7850.0	117.750	33
	Vertical stiffner	5*8	0.260	0.150	0.010	7850.0	122.460	34
	Vertical stiffner	4*8	0.570	0.250	0.008	7850.0	286.368	35
	Vertical stiffner	4*8	0.570	0.450	0.008	7850.0	515.463	36
	Splice plate-	1*8	11.896	0.150	0.010	7850.0	1120.604	37
	Splice plate	1*8	12.080	0.150	0.010	7850.0	1137.936	39
	Splice plate	4*8	0.450	0.150	0.010	7850.0	169.560	41
	Splice plate	5*8	0.500	0.150	0.010	7850.0	235.500	43
	Seal Assy	2*8	3.000	0.040	0.010	7850.0	150.720	49
	Seal Assy	2*8	3.000	0.157	0.010	7850.0	591.576	50

	Seal Assy	1*8	11.762	0.070	0.010	7850.0	517.058	54	
	Seal Assy	1*8	11.762	0.020	0.020	7850.0	295.462	55	
	Lifting	8*8	0.120	0.050	0.010	7850.0	30.145	60	
	Lifting	4*8	0.180	0.180	0.010	7850.0	81.389	61	
	Lifting	2*8	0.815	0.440	0.008	7850.0	360.322	62	
	Lifting	4*8	0.450	0.400	0.020	7850.0	904.320	63	
	Lifting	1*8	0.120	0.090	0.010	7850.0	6.783	65	
	Bearing plate - dogging beam	4*8	0.400	0.400	0.012	7850.0	482.305		
	Dogging beam flange	4*8	1.450	0.120	0.016	7850.0	699.341		
	Dogging beam web	4*8	1.450	0.200	0.016	7850.0	1165.568		
	Inside stiffner - dogging beam	12*8	0.220	0.0880	0.012	7850.0	175.077		
	End stiffner - dogging beam	12*8	0.220	0.100	0.016	7850.0	265.268		
	MS SECTION for REGULATING GATE								
	Horizontal girder top of gate -ISMC 200x75	1*8	11.936			22.1	2110.285		
	Bracing - 1 ISA 100x100x8	4*8	0.986			12.1	381.780		
	Bracing - 2 ISA 100x100x8	4*8	0.692			12.1	267.943		
	Bracing - 3 ISA 100x100x8	4*8	0.492			12.1	190.503		
	Side seal Clamp ISA75x75x8	2*8	3.000			8.9	427.201		
	Sliding protector - ISA75x75x8 dogging beam	8*8	0.272			8.9	154.932		
	MS ROUND for REGULATING GATE								
	J-type anchor rod - Dogging beam - dia 20 mm rod	16*8	0.350			2.47	110.656		
	Hook-Dogging beam dia16mm rod	4*8	0.305			1.58	15.421		
	Total Quantity						86628.470 kg		
	Total Deducted Quantity						0.000 kg		

SI No	Description	No	L	B	D	CF	Quantity	Remark
Net Total Quantity							86628.470 kg	
Say 86628.470 kg @ Rs 6.74 / kg							<b>Rs 583875.89</b>	
<b>6 E3-Supplying and fixing of RUBBER SEALS and RUBBER PAD for JOINT OF GATE</b>								
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							
RUBBER PAD for HORIZONTAL JOINT of GATE								
	Rubber pad 150x3 on skinplate upstream	1*8	12.080				96.640	
	Rubber pad 150x3 on skinplate downstraem	1*8	11.896				95.168	
	Rubber pad 150x3 on end girder	4*8	0.450				14.400	
BOTTOM SEAL								
	Bottom seal 76x10	1*8	12.080				96.640	
Total Quantity							302.848 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							302.848 metre	
Say 302.848 metre @ Rs 2239.28 / metre							<b>Rs 678161.47</b>	
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 SEAL								
	Dia 30x120 width Teflon cladde 'Z' seal	2*8	3.006				48.096	
	Dia 30 x 90 Bulb Seal	2*8	3.006				48.096	
Total Quantity							96.192 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							96.192 metre	
Say 96.192 metre @ Rs 2994.28 / metre							<b>Rs 288025.78</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>7 E4 - Supplying and fixing of ROLLER ASSEMBLY.</b>								

1	85.120 Supplying and fixing cast steel thrust roller assembly having 300mm Dia, 90mm tread width, SS(304) shaft and 22314E 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							
	Roller	8*8					64.000	
	Total Quantity						64.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						64.000 no	
	Say 64.000 no @ Rs 43009.08 / no						<b>Rs 2752581.12</b>	
2	od233175/2021_2022 Supplying and fixing side guide roller assembly having 130mm Dia, 90mm tread width, pin and Al Bronze bush 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							
	Side Guide Roller							
	End Roller	4*8					32.000	
	Total Quantity						32.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						32.000 set	
	Say 32.000 set @ Rs 6129.31 / set						<b>Rs 196137.92</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>8 E5-Supply of materials, fabrication, painting and erection of HOSTING BRIDGE, COVERS and FRAMES of DRIVING UNITS &amp; ROPE DRUM</b>								
1	od51230/2022_2023 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	PLATES for Motor FRAME							
	Reduction gear box seat	1*8	0.350	0.350	0.010	7850.0	76.930	
	Stiffner for Reduction gear box seat - outer	4*8	0.095	0.950	0.010	7850.0	226.708	
	Stiffner for Reduction gear box seat - inner	2*8	0.192	0.100	0.010	7850.0	24.116	
	EM brake seat	1*8	0.350	0.125	0.010	7850.0	27.475	
	Stiffner for EM brake seat - outer	2*8	0.070	0.070	0.010	7850.0	6.155	
	Motor seat	1*8	0.250	0.250	0.010	7850.0	39.250	

	Stiffner for Motor seat - outer	2*8	0.070	0.070	0.010	7850.0	6.155	
	Stiffner for Motor seat - inner	1*8	0.100	0.075	0.010	7850.0	4.710	
	PLATES for DRIVE UNIT COVER							
	Side cover for -1	2*8	1.520	1.200	0.00315	7850.0	721.648	
	Side cover for -2	1*8	1.180	0.840	0.00315	7850.0	196.080	
	Side cover for -3	1*8	1.080	0.840	0.00315	7850.0	179.463	
	Strengthening plate on cover for manual operation shaft	1*8	0.150	0.150	0.008	7850.0	11.304	
	Top cover	1*8	1.535	0.840	0.00315	7850.0	255.070	
	Inspection window	1*8	0.300	0.300	0.00315	7850.0	17.804	
	Plate	2*8	1.110	0.055	0.005	7850.0	38.340	
	PLATES 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	
	Stiffner for leg	4*2	0.150	0.100	0.008	7850.0	7.537	
	Top plate of 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	
	PLATES FOR DIAL AND DIAL ASSEMBLY							
	Worm reducer seat	1*8	0.450	0.300	0.008	7850.0	67.824	
	Stiffner-1 for worm reducer seat	2*8	0.180	0.150	0.008	7850.0	27.130	
	Stiffner-2 for worm reducer seat	1*8	0.170	0.150	0.008	7850.0	12.812	
	Shim	1*8	0.165	0.050	0.002	7850.0	1.037	
	Plummer block seat	1*8	0.200	0.090	0.010	7850.0	11.304	

	Stiffner for bottom of plummer block	2*8	0.100	0.090	0.080	7850.0	90.432	
	Sheet	1*8	0.170	0.040	0.00315	7850.0	1.346	
	Connecting plate for column to girder	2*8	0.300	0.220	0.080	7850.0	663.168	
	PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT							
	Seat and base for Plummer block	4*8	0.350	0.150	0.012	7850.0	158.256	
	Side plate	4*8	0.500	0.150	0.012	7850.0	226.080	
	Stiffner for seat and base	4*8	0.500	0.301	0.012	7850.0	453.668	
	Plate	4*8	0.301	0.112	0.012	7850.0	101.622	
	PLATES for ROPE DRUM COVER							
	Cover -1	1*8	2.159	0.500	0.00315	7850.0	213.547	
	Cover -2	2*8	1.294	0.720	0.00315	7850.0	368.610	
	Inspection window	1*8	0.250	0.210	0.00315	7850.0	10.386	
	Flat	2*8	1.030	0.050	0.005	7850.0	32.343	
	Flat	1*8	0.945	0.050	0.005	7850.0	14.837	
	PLATES for ROPE DRUM FRAME							
	Bracket for rope drum shaft	4*8	0.575	0.350	0.020	7850.0	1011.080	
	lock plate for drum shaft	4*8	0.290	0.100	0.010	7850.0	72.848	
	Extension plate -1	2*8	1.500	0.060	0.010	7850.0	113.040	
	Extension plate -2	2*8	0.600	0.060	0.010	7850.0	45.216	
	Stiffner-1 Main frame	14*8	0.290	0.180	0.008	7850.0	367.154	
	Stiffner-2 Main frame	4*8	0.290	0.080	0.0080	7850.0	46.623	
	Plate for plummer block base-1	8*8	0.080	0.080	0.010	7850.0	32.154	
	Plate for plummer block base-1	8*8	0.080	0.070	0.010	7850.0	28.135	
	Spacer for drum shaft	8*8	0.320	0.100	0.005	7850.0	80.384	
	Plate	4*8	0.120	0.070	0.025	7850.0	52.753	
	Plate	12*8	0.100	0.025	0.012	7850.0	22.609	
	PLATES for Gear Box FRAME							

	Gear Box Assy	2*8	0.575	0.350	0.020	7850.0	505.540		
	Gear Box Assy	2*8	0.290	0.100	0.010	7850.0	36.424		
	Gear Box Assy	1*8	1.500	0.060	0.010	7850.0	56.520		
	Gear Box Assy	1*8	0.600	0.060	0.010	7850.0	22.608		
	PLATES for ELECTROMAGNETIC BRAKE FRAME								
	EM brake seat	1*8	0.360	0.140	0.010	7850.0	31.652		
	Stiffner for EM brake seat - outer	4*8	0.065	0.065	0.010	7850.0	10.614		
	PLATES for HOISTING BRIDGE								
	Hoisting girder fab ISMB - flange	2*8	13.990	0.860	0.010	7850.0	15111.439		
	Hoisting girder fab ISMB - web	2*8	13.990	0.200	0.020	7850.0	7028.576		
	Hoisting girder fab ISMB - web	2*8	13.990	0.200	0.020	7850.0	7028.576		
	Plate	11*8	0.250	0.240	0.010	7850.0	414.480		
	End ribs on hoisting girder	4*8	1.592	0.550	0.016	7850.0	3519.212		
	Plate	38*8	0.860	0.090	0.008	7850.0	1477.659		
	Plate	6*8	0.400	0.400	0.020	7850.0	1205.761		
	Plate	2*8	0.400	0.400	0.020	7850.0	401.921		
	Plate	16*8	0.880	0.190	0.008	7850.0	1344.021		
	Flat	2*8	12.400	0.050	0.008	7850.0	622.977		
	Plate	16*8	0.160	0.050	0.010	7850.0	80.384		
	Plate	24*8	0.730	0.100	0.008	7850.0	880.205		
	Plate	12*8	0.580	0.100	0.008	7850.0	349.671		
	Plate	32*8	3.14/4	.15*.15	0.020	7850.0	709.892		
	Total Quantity						47196.201 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						47196.201 kg		
	Say 47196.201 kg @ Rs 79.04 / kg						<b>Rs 3730387.73</b>		
2	od51456/2022_2023 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	MS SECTIONS for MANUAL OPERATING MECHANISM								



Sleeve bearing seat ISMC 150x75	1*8	0.700			16.4	91.840	
Column ISA 75x75x8	4*8	0.900			8.9	256.320	
Sprocket base top-1 ISA 75x75x8	2*8	0.400			8.9	56.961	
Sprocket base top-2 ISA 75x75x8	2*8	0.500			8.9	71.200	
Plummer block base bottom ISMC 150x75	1*8	0.250			16.4	32.800	
MS SECTIONS for DRIVE UNIT FRAME							
Main frame-1 ISMC 200x75	2*8	1.600			22.3	570.880	
Main frame-2 ISMC 200x75	2*8	0.700			22.3	249.760	
Main frame- ISMC 200x75	1*8	0.700			22.3	124.880	
MS SECTIONS for ROPE DRUM COVER							
Top frame ISA 3 5 x 3 5 x 5	4*8	2.159			2.6	179.629	
Bottom frame-1 ISA 35x35x5	4*8	0.540			2.6	44.929	
Bottom frame-2 ISA 35x35x5	2*8	0.808			2.6	33.613	
Bottom frame-3 ISA 35x35x5	4*8	0.0670			2.6	5.575	
Bottom frame-4 ISA 35x35x5	2*8	0.210			2.6	8.736	
Bottom frame-5 ISA 35x35x5	2*8	0.088			2.6	3.661	
Top frame inner ISA 35x35x5	14*8	0.470			2.6	136.864	
Round edge frame-1 5mm flat	4*8	1.030	0.050	0.005	7850.0	64.685	
Round edge frame-2 5mm flat	2*8	0.945	0.050	0.005	7850.0	29.673	
MS SECTION for ROPE DRUM FRAME							
Main frame-1 ISMC 300x90	2*8	1.500			35.8	859.200	

Main frame-2 ISMC 300x90	2*8	1.170			35.8	670.176	
Main frame-3 ISMC 300x90	2*8	0.900			35.8	515.520	
Main frame- ISMC 300x90	2*8	0.930			35.8	532.704	
Main frame-4 ISMC 300x90	2*8	0.690			35.8	395.232	
Main frame-6 ISMC 300x90	2*8	0.240			35.8	137.472	
Plummer block base-1 ISA 90x90x10	4*8	0.300			13.4	128.640	
Plummer block base-2 ISA 90x90x10	4*8	0.280			13.4	120.065	
MS SECTIONS for DRIVE UNIT COVER							
Bottom frame-1 ISA 35x35x5	2*8	0.850			2.6	35.360	
Bottom frame-2 ISA 35x35x5	2*8	1.050			2.6	43.681	
Bottom frame-3 ISA 35x35x5	2*8	0.170			2.6	7.073	
Side frame-1 ISA 35x35x5	2*8	1.200			2.6	49.920	
Top frame outer-1 ISA 35x35x5	2*8	1.100			2.6	45.761	
Top frame outer-2 ISA 35x35x5	2*8	0.850			2.6	35.360	
Top frame inner ISA 35x35x5	2*8	1.535			2.6	63.856	
Side frame-2 ISA 35x35x5	2*8	0.780			2.6	32.448	
Inspection window hinge frame ISA 35x35x6	1*8	0.800			3.0	19.201	
MS SECTIONS for REDUCTION GEAR BOX FRAME							
Support for reduction gear box seat IS A 75 x75 x 8	4*8	0.787			8.9	224.138	

	ISA 75x75x8	2*8	0.400			8.9	56.961	
	ISA 75x75x8	2*8	0.500			8.9	71.200	
	ISA 100x100x8	2*8	0.700			12.1	135.520	
	ISA 75x75x8	2*8	0.700			8.9	99.680	
		2*8	0.700			8.9	99.680	
MS SECTIONS for MOTOR FRAME								
	Support for Motor seat ISA 75x75x8	2*8	0.700			8.9	99.680	
MS SECTIONS for DIAL & DIAL ASSEMBLY								
	Column ISMC 100x50	2*8	1.060			9.54	161.799	
	Dial holding ISA 50x50x6	2*8	0.040			4.5	2.880	
MS SECTIONS FOR LADDER								
	Ladder rail bottom ISMC 200x75	2*2	3.610			22.1	319.124	
	Bottom landing frame- 1 ISMC 200x75	5*2	1.000			22.1	221.000	
	Bottom landing frame- 2 ISMC 200x75	2*2	3.000			22.1	265.201	
	Leg for bottom landing ISMC 150x75	4*2	2.350			16.4	308.320	
	Bracing - 1 ISA 7 5 x 7 5 x 8	2*2	2.000			8.9	71.200	
	Bracing - 2 ISA 7 5 x 7 5 x 8	2*2	0.700			8.9	24.920	
	Cleat ISA 75x75x8	8*2	0.180			8.9	25.632	
	Ladder rail top ISMC 200x75	2*2	3.450			22.1	304.980	
	Top landing frame-1 ISMC 200x75	2*2	1.500			22.1	132.601	
	Top landing frame-2 ISMC 200x75	2*2	2.200			22.1	194.481	
	Wall support ISMC 150x75	2*2	2.120			16.4	139.072	
	Step frame-1 ISA 40x40x6	50*2	1.350			3.5	472.500	

Step frame-2 ISA 40x40x6	50*2	0.300			3.5	105.000	
Hand rail post-1 ISA 65x65x6	19*2	1.100			5.8	242.441	
Hand rail post-2 ISA 65x65x6	3*2	1.150			5.8	40.020	
Handrail bottom MS flat 50x8	1*2	23.600	0.050	0.008	7850.0	148.209	
Gate frame vertical ISA 40x40x6	2*2	0.390			3.5	5.460	
Gate frame horizontal ISA 40x40x6	2*2	1.060			3.5	14.840	
MS SECTIONS for HOISTING BRIDGE							
Cross girder-1 ISMC 300x90	4*8	1.990			35.8	2279.744	
Cross girder-2 ISMC 300x90	2*8	1.990			35.8	1139.872	
Cross girder-3 ISMC 200x75	4*8	1.170			22.1	827.424	
Cross girder-4 ISMC 200x75	2*8	0.940			22.1	332.384	
Cross girder-5 ISMC 150x75	12*8	1.990			16.4	3133.056	
Cross girder-6 ISMC 150x75	4*8	0.930			16.4	488.064	
To e guard I S A 6 5 x 6 5 x 6	2*8	13.990			5.8	1298.272	
I S A 6 5 x 6 5 x 6	22*8	1.250			5.8	1276.000	
I S A 7 5 x 7 5 x 8	11*8	0.150			9.03	119.196	
ISMC 150 x 75	11*8	0.500			16.4	721.600	
I S A 7 5 x 7 5 x 8	38*8	0.100			9.03	274.512	
Hand rail post ISA 50x50x6	31*8	1.250			4.5	1395.000	
Hand rail bottom 50x8mm flat	2*8	13.500	0.050	0.008	7850.0	678.240	
Hand rail bottom side 50x8mm flat	1*8	1.550	0.050	0.008	7850.0	38.937	

	Handrailfixing extension platform ISA 75x75x8	17*8	0.150			8.9	181.560		
	Inclined support - extension platform ISA 75x75x8	14*8	0.720			8.9	717.696		
	Cross girder bottom ISMC 150x75	5*8	1.990			16.4	1305.440		
	<b>MS SECTIONS FOR ELECTROMATIC BRAKE FRAME</b>								
	Support for EM brake seat ISA75x75x8	2*8	0.700			8.9	99.680		
	ISA 150 x150 x8	1*8	0.2500			22.8	45.600		
	Total Quantity						25992.491 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						25992.491 kg		
	Say 25992.491 kg @ Rs 75.75 / kg						<b>Rs 1968931.19</b>		
3	od51555/2022_2023 Supply of MS round bar including cost of conveyance charges								
	<b>MS ROUND BARS for HOISTING BRIDGE</b>								
	Foundation Rod- 25mm MS rod	32*8	0.750			3.85	739.200		
	<b>MS ROUND BARS for DRIVE UNIT</b>								
	Lifting Hook-12mm MS rod	2*8	0.300			0.89	4.272		
	<b>MS ROUND BARS for ROPE DRUM COVER</b>								
	Lifting Hook-1-16mm MS rod	4*8	0.300			1.58	15.168		
	Lifting Hook-2-16mm MS rod	2*8	0.400			1.58	10.113		
	Lifting Hook-3-16mm MS rod	2*8	0.280			1.58	7.079		
	<b>MS ROUND BARS for LADDER</b>								
	J type Anchor rod - 16mm MS rod	24*2	0.310			1.58	23.511		
	<b>Dial</b>								
	20mm dia	1*8	0.2000			2.47	3.953		
	Total Quantity						803.296 kg		

						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	803.296 kg	
						Say 803.296 kg @ Rs 72.47 / kg	<b>Rs 58214.86</b>	
4	85.103 Supply of MS chequered plates including cost of conveyance charges							
CHEQUERED PLATE for LADDER								
	Landing Platform- Bottom - 6 mm 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	
CHEQUERED PLATE for HOISTING BRIDGE								
	Hoisting extension platform - 6 mm Chequered Sheet	1*8	13.990	0.335		49.2	1844.666	
	Chq Plt	1*8	9.520	1.900		49.2	7119.437	
	Chq Plt	1*8	1.900	0.925		49.2	691.753	
						Total Quantity	11417.061 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	11417.061 kg	
						Say 11417.061 kg @ Rs 73.33 / kg	<b>Rs 837213.08</b>	
5	od119064/2021_2022 Supply of G.I. pipes 32 mm dia							
HAND RAILS for LADDER								
	Hand rails (top)-32mm NB GI Pipe	1*2	23.600				47.200	
HAND RAILS for HOIST BRIDGE								
	Hand rails -32mm NB GI Pipe	2*8	15.050				240.800	
	Hand rails(side)32mm NB GI Pipe	1*8	4.150				33.200	
						Total Quantity	321.200 metre	

		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					321.200 metre	
		Say 321.200 metre @ Rs 336.50 / metre					<b>Rs 108083.80</b>	
6	od119447/2021_2022 Supply of MS Bolts and Nuts							
Bolt and Nut for Bottom Block								
	M16X35 Hexagonal Screw with washer (Lock plate)	48*8				0.05	19.201	
Bolt and Nut for Rope drum Cover								
	M 8 X 20 length Hexagonal Screw (For Inspection window cover)	16*8				0.04	5.120	
	M 12 X 40 length Hexagonal Bolt with nut and washer (For rope drum cover frame)	32*8				0.09	23.040	
Bolt and Nut for Rope Drum Assy								
	M 16 X 35 length Hexagonal Screw with washer (For Rope drum shaft lock plate).	32*8				0.06	15.360	
	M16X100 length Hexagonal Bolt with nut and washer (For plummer block for pinion gear)	16*8				0.21	26.880	
	M20X100 length Hexagonal Bolt with nut and washer (For rope drum frame)	20*8				0.36	57.600	
Bolt and Nut for Drive Unit Cover								
	M 12 X 60 length Hexagonal Bolt with nut and washer (For cover)	20*8				0.08	12.800	
Bolt and nut for Hoist Bridge								

M 16 X 35 lenth Hexagonal Bolt with nut and washer(Pulley Lock plate)	32*8					0.08	20.480	
M 16 X 35 lenth Hexagonal Bolt with nut and washer(Hand rail fixing)	90*8					0.08	57.600	
M 16 X 50 lenth Hexagonal Bolt with nut and washer(Hoisting girder web joint)	4*8					0.13	4.160	
M 10 X 60 lenth Hexagonal Bolt with nut and washer(For Motor and EM brake)	8*8					0.06	3.840	
M24X160 length Hexagonal Bolt with nut and washer(For Reduction gear box)	4*8					0.77	24.640	
M 12 X 65 length Hexagonal Bolt with nut and washer(For manual operation plummer block)	6*8					0.09	4.320	
M20X100 length Hexagonal Bolt with nut and washer(For drive unit main frame)	12*8					0.36	34.560	
M 25 Nut (For foundation rod)	32*3*8					0.13	99.840	
Bolt and Nut for Line Shaft Plummer Block								
M16x100mm length Hexagonal Bolt with nut and washer	8*8					0.21	13.440	
Total Quantity							422.881 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							422.881 kg	
Say 422.881 kg @ Rs 75.27 / kg							<b>Rs 31830.25</b>	



7	85.124 Fabrication and supply of Hoisting bridge unit in structural steel conforming 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							
	PLATES for Motor FRAME							
	Reduction gear box seat	1*8	0.350	0.350	0.010	7850.0	76.930	
	Stiffner for Reduction gear box seat - outer	4*8	0.095	0.950	0.010	7850.0	226.708	
	Stiffner for Reduction gear box seat - inner	2*8	0.192	0.100	0.010	7850.0	24.116	
	EM brake seat	1*8	0.350	0.125	0.010	7850.0	27.475	
	Stiffner for EM brake seat - outer	2*8	0.070	0.070	0.010	7850.0	6.155	
	Motor seat	1*8	0.250	0.250	0.010	7850.0	39.250	
	Stiffner for Motor seat - outer	2*8	0.070	0.070	0.010	7850.0	6.155	
	Stiffner for Motor seat - inner	1*8	0.100	0.075	0.010	7850.0	4.710	
	Other Engineering Organisations PLATES for DRIVE UNIT COVER							
	Side cover for -1	2*8	1.520	1.200	0.00315	7850.0	721.648	
	Side cover for -2	1*8	1.180	0.840	0.00315	7850.0	196.080	
	Side cover for -3	1*8	1.080	0.840	0.00315	7850.0	179.463	
	Strengthening plate on cover for manual operation shaft	1*8	0.150	0.150	0.008	7850.0	11.304	
	Top cover	1*8	1.535	0.840	0.00315	7850.0	255.070	
	Inspection window	1*8	0.300	0.300	0.00315	7850.0	17.804	
	Plate	2*8	1.110	0.055	0.005	7850.0	38.340	
	PLATES 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	
	Stiffner for leg	4*2	0.150	0.100	0.008	7850.0	7.537	

	Top plate of 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	
	PLATES FOR DIAL AND DIAL ASSEMBLY							
	Worm reducer seat	1*8	0.450	0.300	0.008	7850.0	67.824	
	Stiffner-1 for worm reducer seat	2*8	0.180	0.150	0.008	7850.0	27.130	
	Stiffner-2 for worm reducer seat	1*8	0.170	0.150	0.008	7850.0	12.812	
	Shim	1*8	0.165	0.050	0.002	7850.0	1.037	
	Plummer block seat	1*8	0.200	0.090	0.010	7850.0	11.304	
	Stiffner for bottom of plummer block	2*8	0.100	0.090	0.080	7850.0	90.432	
	Sheet	1*8	0.170	0.040	0.00315	7850.0	1.346	
	Connecting plate for column to girder	2*8	0.300	0.220	0.080	7850.0	663.168	
	PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT							
	Seat and base for Plummer block	4*8	0.350	0.150	0.012	7850.0	158.256	
	Side plate	4*8	0.500	0.150	0.012	7850.0	226.080	
	Stiffner for seat and base	4*8	0.500	0.301	0.012	7850.0	453.668	
	Plate	4*8	0.301	0.112	0.012	7850.0	101.622	
	PLATES for ROPE DRUM COVER							
	Cover -1	1*8	2.159	0.500	0.00315	7850.0	213.547	
	Cover -2	2*8	1.294	0.720	0.00315	7850.0	368.610	
	Inspection window	1*8	0.250	0.210	0.00315	7850.0	10.386	
	Flat	2*8	1.030	0.050	0.005	7850.0	32.343	
	Flat	1*8	0.945	0.050	0.005	7850.0	14.837	
	PLATES for ROPE DRUM FRAME							

Bracket for rope drum shaft	4*8	0.575	0.350	0.020	7850.0	1011.080	
lock plate for drum shaft	4*8	0.290	0.100	0.010	7850.0	72.848	
Extension plate -1	2*8	1.500	0.060	0.010	7850.0	113.040	
Extension plate -2	2*8	0.600	0.060	0.010	7850.0	45.216	
Stiffner-1 Main frame	14*8	0.290	0.180	0.008	7850.0	367.154	
Stiffner-2 Main frame	4*8	0.290	0.080	0.0080	7850.0	46.623	
Plate for plummer block base-1	8*8	0.080	0.080	0.010	7850.0	32.154	
Plate for plummer block base-1	8*8	0.080	0.070	0.010	7850.0	28.135	
Spacer for drum shaft	8*8	0.320	0.100	0.005	7850.0	80.384	
Plate	4*8	0.120	0.070	0.025	7850.0	52.753	
Plate	12*8	0.100	0.025	0.012	7850.0	22.609	
PLATES for Gear Box FRAME							
Gear Box Assy	2*8	0.575	0.350	0.020	7850.0	505.540	
Gear Box Assy	2*8	0.290	0.100	0.010	7850.0	36.424	
Gear Box Assy	1*8	1.500	0.060	0.010	7850.0	56.520	
Gear Box Assy	1*8	0.600	0.060	0.010	7850.0	22.608	
PLATES for ELECTROMAGNETIC BRAKE FRAME							
EM brake seat	1*8	0.360	0.140	0.010	7850.0	31.652	
Stiffner for EM brake seat - outer	4*8	0.065	0.065	0.010	7850.0	10.614	
PLATES for HOISTING BRIDGE							
Hoisting girder fab ISMB - flange	2*8	13.990	0.860	0.010	7850.0	15111.439	
Hoisting girder fab ISMB - web	2*8	13.990	0.200	0.020	7850.0	7028.576	
Hoisting girder fab ISMB - web	2*8	13.990	0.200	0.020	7850.0	7028.576	
Plate	11*8	0.250	0.240	0.010	7850.0	414.480	
End ribs on hoisting girder	4*8	1.592	0.550	0.016	7850.0	3519.212	
Plate	38*8	0.860	0.090	0.008	7850.0	1477.659	

	Plate	6*8	0.400	0.400	0.020	7850.0	1205.761	
	Plate	2*8	0.400	0.400	0.020	7850.0	401.921	
	Plate	16*8	0.880	0.190	0.008	7850.0	1344.021	
	Flat	2*8	12.400	0.050	0.008	7850.0	622.977	
	Plate	16*8	0.160	0.050	0.010	7850.0	80.384	
	Plate	24*8	0.730	0.100	0.008	7850.0	880.205	
	Plate	12*8	0.580	0.100	0.008	7850.0	349.671	
	Plate	32*8	3.14/4	.15*.15	0.020	7850.0	709.892	
MS SECTIONS for MANUAL OPERATING MECHANISM								
	Sleeve bearing seat ISMC 150x75	1*8	0.700			16.4	91.840	
	Column ISA 75x75x8	4*8	0.900			8.9	256.320	
	Sprocket base top-1 ISA 75x75x8	2*8	0.400			8.9	56.961	
	Sprocket base top-2 ISA 75x75x8	2*8	0.500			8.9	71.200	
	Plummer block base bottom ISMC 150x75	1*8	0.250			16.4	32.800	
MS SECTIONS for DRIVE UNIT FRAME								
	Main frame-1 ISMC 200x75	2*8	1.600			22.3	570.880	
	Main frame-2 ISMC 200x75	2*8	0.700			22.3	249.760	
	Main frame- ISMC 200x75	1*8	0.700			22.3	124.880	
MS SECTIONS for ROPE DRUM COVER								
	Top frame ISA 3 5 x 3 5 x 5	4*8	2.159			2.6	179.629	
	Bottom frame-1 ISA 35x35x5	4*8	0.540			2.6	44.929	
	Bottom frame-2 ISA 35x35x5	2*8	0.808			2.6	33.613	
	Bottom frame-3 ISA 35x35x5	4*8	0.0670			2.6	5.575	
	Bottom frame-4 ISA 35x35x5	2*8	0.210			2.6	8.736	

	Bottom frame-5 ISA 35x35x5	2*8	0.088			2.6	3.661	
	Top frame inner ISA 35x35x5	14*8	0.470			2.6	136.864	
	Round edge frame-1 5mm flat	4*8	1.030	0.050	0.005	7850.0	64.685	
	Round edge frame-2 5mm flat	2*8	0.945	0.050	0.005	7850.0	29.673	
MS SECTION for ROPE DRUM FRAME								
	Main frame-1 ISMC 300x90	2*8	1.500			35.8	859.200	
	Main frame-2 ISMC 300x90	2*8	1.170			35.8	670.176	
	Main frame-3 ISMC 300x90	2*8	0.900			35.8	515.520	
	Main frame- ISMC 300x90	2*8	0.930			35.8	532.704	
	Main frame-4 ISMC 300x90	2*8	0.690			35.8	395.232	
	Main frame-6 ISMC 300x90	2*8	0.240			35.8	137.472	
	Plummer block base-1 ISA 90x90x10	4*8	0.300			13.4	128.640	
	Plummer block base-2 ISA 90x90x10	4*8	0.280			13.4	120.065	
MS SECTIONS for DRIVE UNIT COVER								
	Bottom frame-1 ISA 35x35x5	2*8	0.850			2.6	35.360	
	Bottom frame-2 ISA 35x35x5	2*8	1.050			2.6	43.681	
	Bottom frame-3 ISA 35x35x5	2*8	0.170			2.6	7.073	
	Side frame-1 ISA 35x35x5	2*8	1.200			2.6	49.920	
	Top frame outer-1 ISA 35x35x5	2*8	1.100			2.6	45.761	
	Top frame outer-2 ISA 35x35x5	2*8	0.850			2.6	35.360	

	Top frame inner ISA 35x35x5	2*8	1.535			2.6	63.856	
	Side frame-2 ISA 35x35x5	2*8	0.780			2.6	32.448	
	Inspection window hinge frame ISA 35x35x6	1*8	0.800			3.0	19.201	
MS SECTIONS for REDUCTION GEAR BOX FRAME								
	Support for reduction gear box seat ISA 75 x75 x 8	4*8	0.787			8.9	224.138	
	ISA 75x75x8	2*8	0.400			8.9	56.961	
	ISA 75x75x8	2*8	0.500			8.9	71.200	
	ISA 100x100x8	2*8	0.700			12.1	135.520	
	ISA 75x75x8	2*8	0.700			8.9	99.680	
		2*8	0.700			8.9	99.680	
MS SECTIONS for MOTOR FRAME								
	Support for Motor seat ISA 75x75x8	2*8	0.700			8.9	99.680	
MS SECTIONS for DIAL & DIAL ASSEMBLY								
	Column ISMC 100x50	2*8	1.060			9.54	161.799	
	Dial holding ISA 50x50x6	2*8	0.040			4.5	2.880	
MS SECTIONS FOR LADDER								
	Ladder rail bottom ISMC 200x75	2*2	3.610			22.1	319.124	
	Bottom landing frame- 1 ISMC 200x75	5*2	1.000			22.1	221.000	
	Bottom landing frame- 2 ISMC 200x75	2*2	3.000			22.1	265.201	
	Leg for bottom landing ISMC 150x75	4*2	2.350			16.4	308.320	
	Bracing - 1 ISA 7 5 x 75 x 8	2*2	2.000			8.9	71.200	
	Bracing - 2 ISA 7 5 x 75 x 8	2*2	0.700			8.9	24.920	
	Cleat ISA 75x75x8	8*2	0.180			8.9	25.632	

Ladder rail top ISMC 200x75	2*2	3.450			22.1	304.980	
Top landing frame-1 ISMC 200x75	2*2	1.500			22.1	132.601	
Top landing frame-2 ISMC 200x75	2*2	2.200			22.1	194.481	
Wall support ISMC 150x75	2*2	2.120			16.4	139.072	
Step frame-1 ISA 40x40x6	50*2	1.350			3.5	472.500	
Step frame-2 ISA 40x40x6	50*2	0.300			3.5	105.000	
Hand rail post-1 ISA 65x65x6	19*2	1.100			5.8	242.441	
Hand rail post-2 ISA 65x65x6	3*2	1.150			5.8	40.020	
Handrail bottom MS flat 50x8	1*2	23.600	0.050	0.008	7850.0	148.209	
Gate frame vertical ISA 40x40x6	2*2	0.390			3.5	5.460	
Gate frame horizontal ISA 40x40x6	2*2	1.060			3.5	14.840	
MS SECTIONS for HOISTING BRIDGE							
Cross girder-1 ISMC 300x90	4*8	1.990			35.8	2279.744	
Cross girder-2 ISMC 300x90	2*8	1.990			35.8	1139.872	
Cross girder-3 ISMC 200x75	4*8	1.170			22.1	827.424	
Cross girder-4 ISMC 200x75	2*8	0.940			22.1	332.384	
Cross girder-5 ISMC 150x75	12*8	1.990			16.4	3133.056	
Cross girder-6 ISMC 150x75	4*8	0.930			16.4	488.064	
To e guard I S A 6 5 x 6 5 x 6	2*8	13.990			5.8	1298.272	
I S A 6 5 x 6 5 x 6	22*8	1.250			5.8	1276.000	

	ISA 75 x 75 x 8	11*8	0.150			9.03	119.196	
	ISMC 150 x 75	11*8	0.500			16.4	721.600	
	ISA 75 x 75 x 8	38*8	0.100			9.03	274.512	
	Hand rail post ISA 50x50x6	31*8	1.250			4.5	1395.000	
	Hand rail bottom 50x8mm flat	2*8	13.500	0.050	0.008	7850.0	678.240	
	Hand rail bottom side 50x8mm flat	1*8	1.550	0.050	0.008	7850.0	38.937	
	Hand rail fixing extension platform ISA 75x75x8	17*8	0.150			8.9	181.560	
	Inclined support - extension platform ISA 75x75x8	14*8	0.720			8.9	717.696	
	Cross girder bottom ISMC 150x75	5*8	1.990			16.4	1305.440	
MS SECTIONS FOR ELECTROMATIC BRAKE FRAME								
	Support for EM brake seat ISA75x75x8	2*8	0.700			8.9	99.680	
	ISA 150 x150 x8	1*8	0.2500			22.8	45.600	
MS ROUND BARS for HOISTING BRIDGE								
	Foundation Rod- 25mm MS rod	32*8	0.750			3.85	739.200	
MS ROUND BARS for DRIVE UNIT								
	Lifting Hook-12mm MS rod	2*8	0.300			0.89	4.272	
MS ROUND BARS for ROPE DRUM COVER								
	Lifting Hook-1-16mm MS rod	4*8	0.300			1.58	15.168	
	Lifting Hook-2-16mm MS rod	2*8	0.400			1.58	10.113	
	Lifting Hook-3-16mm MS rod	2*8	0.280			1.58	7.079	
MS ROUND BARS for LADDER								
	J type Anchor rod - 16mm MS rod	24*2	0.310			1.58	23.511	



Dial							
20mm dia	1*8	0.2000			2.47	3.953	
CHEQUERED PLATE for LADDER							
Landing Platform- Bottom - 6 mm 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	
CHEQUERED PLATE for HOISTING BRIDGE							
Hoisting extension platform - 6 mm Chequered Sheet	1*8	13.990	0.335		49.2	1844.666	
Chq Plt	1*8	9.520	1.900		49.2	7119.437	
Chq Plt	1*8	1.900	0.925		49.2	691.753	
HAND RAILS for LADDER							
Hand rails (top)-32mm NB GI Pipe	1*2	23.600			2.54	119.888	
HAND RAILS for HOIST BRIDGE							
Hand rails -32mm NB GI Pipe	2*8	15.050			2.54	611.633	
Hand rails(side)32mm NB GI Pipe	1*8	4.150			2.54	84.328	
Total Quantity						86224.898 kg	
Total Deducted Quantity						0.000 kg	
Net Total Quantity						86224.898 kg	
Say 86224.898 kg @ Rs 76.47 / kg						<b>Rs 6593617.95</b>	
8	od225561/2021_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.						
PLATES for Motor FRAME							

Reduction gear box seat	1*8	0.350	0.350		2.0	1.960	
Stiffner for Reduction gear box seat - outer	4*8	0.095	0.950		2.0	5.776	
Stiffner for Reduction gear box seat - inner	2*8	0.192	0.100		2.0	0.615	
EM brake seat	1*8	0.350	0.125		2.0	0.700	
Stiffner for EM brake seat - outer	2*8	0.070	0.070		2.0	0.157	
Motor seat	1*8	0.250	0.250		2.0	1.000	
Stiffner for Motor seat - outer	2*8	0.070	0.070		2.0	0.157	
Stiffner for Motor seat - inner	1*8	0.100	0.075		2.0	0.120	
PLATES for DRIVE UNIT COVER							
Side cover for -1	2*8	1.520	1.200		2.0	58.368	
Side cover for -2	1*8	1.180	0.840		2.0	15.860	
Side cover for -3	1*8	1.080	0.840		2.0	14.516	
Strengthening plate on cover for manual operation shaft	1*8	0.150	0.150		2.0	0.360	
Top cover	1*8	1.535	0.840		2.0	20.631	
Inspection window	1*8	0.300	0.300		2.0	1.440	
Plate	2*8	1.110	0.055		2.0	1.954	
PLATES 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	
Stiffner for leg	4*2	0.150	0.100		2.0	0.240	
Top plate of 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	
PLATES FOR DIAL AND DIAL ASSEMBLY								
	Worm reducer seat	1*8	0.450	0.300		2.0	2.160	
	Stiffner-1 for worm reducer seat	2*8	0.180	0.150		2.0	0.864	
	Stiffner-2 for worm reducer seat	1*8	0.170	0.150		2.0	0.409	
	Shim	1*8	0.165	0.050		2.0	0.132	
	Plummer block seat	1*8	0.200	0.090		2.0	0.288	
	Stiffner for bottom of plummer block	2*8	0.100	0.090		2.0	0.288	
	Sheet	1*8	0.170	0.040		2.0	0.109	
	Connecting plate for column to girder	2*8	0.300	0.220		2.0	2.112	
PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT								
	Seat and base for Plummer block	4*8	0.350	0.150		2.0	3.360	
	Side plate	4*8	0.500	0.150		2.0	4.800	
	Stiffner for seat and base	4*8	0.500	0.301		2.0	9.632	
	Plate	4*8	0.301	0.112		2.0	2.158	
PLATES for ROPE DRUM COVER								
	Cover -1	1*8	2.159	0.500		2.0	17.272	
	Cover -2	2*8	1.294	0.720		2.0	29.814	
	Inspection window	1*8	0.250	0.210		2.0	0.840	
	Flat	2*8	1.030	0.050		2.0	1.649	
	Flat	1*8	0.945	0.050		2.0	0.756	
PLATES for ROPE DRUM FRAME								
	Bracket for rope drum shaft	4*8	0.575	0.350		2.0	12.880	
	lock plate for drum shaft	4*8	0.290	0.100		2.0	1.856	
	Extension plate -1	2*8	1.500	0.060		2.0	2.880	
	Extension plate -2	2*8	0.600	0.060		2.0	1.152	

	Stiffner-1 Main frame	14*8	0.290	0.180		2.0	11.693	
	Stiffner-2 Main frame	4*8	0.290	0.080		2.0	1.485	
	Plate for plummer block base-1	8*8	0.080	0.080		2.0	0.820	
	Plate for plummer block base-1	8*8	0.080	0.070		2.0	0.717	
	Spacer for drum shaft	8*8	0.320	0.100		2.0	4.096	
	Plate	4*8	0.120	0.070		2.0	0.538	
	Plate	12*8	0.100	0.025		2.0	0.481	
	PLATES for Gear Box FRAME							
	Gear Box Assy	2*8	0.575	0.350		2.0	6.440	
	Gear Box Assy	2*8	0.290	0.100		2.0	0.928	
	Gear Box Assy	1*8	1.500	0.060		2.0	1.440	
	Gear Box Assy	1*8	0.600	0.060		2.0	0.576	
	PLATES for ELECTROMAGNETIC BRAKE FRAME							
	EM brake seat	1*8	0.360	0.140		2.0	0.807	
	Stiffner for EM brake seat - outer	4*8	0.065	0.065		2.0	0.271	
	MS SECTIONS for MANUAL OPERATING MECHANISM							
	Sleeve bearing seat ISMC 150x75	1*8	0.700			0.6	3.360	
	Column ISA 75x75x8	4*8	0.900			0.3	8.640	
	Sprocket base top-1 ISA 75x75x8	2*8	0.400			0.3	1.920	
	Sprocket base top-2 ISA 75x75x8	2*8	0.500			0.3	2.400	
	Plummer block base bottom ISMC 150x75	1*8	0.250			0.6	1.200	
	MS SECTIONS for DRIVE UNIT FRAME							
	Main frame-1 ISMC 200x75	2*8	1.600			0.7	17.920	
	Main frame-2 ISMC 200x75	2*8	0.700			0.7	7.840	
	Main frame- ISMC 200x75	1*8	0.700			0.7	3.920	
	MS SECTIONS for ROPE DRUM COVER							

Top frame ISA 35x35x5	4*8	2.159			0.14	9.673	
Bottom frame-1 ISA 35x35x5	4*8	0.540			0.14	2.420	
Bottom frame-2 ISA 35x35x5	2*8	0.808			0.14	1.810	
Bottom frame-3 ISA 35x35x5	4*8	0.0670			0.14	0.301	
Bottom frame-4 ISA 35x35x5	2*8	0.210			0.14	0.471	
Bottom frame-5 ISA 35x35x5	2*8	0.088			0.14	0.198	
Top frame inner ISA 35x35x5	14*8	0.470			0.14	7.370	
Round edge frame-1 5mm flat	4*8	1.030	0.050		2.0	3.297	
Round edge frame-2 5mm flat	2*8	0.945	0.050		2.0	1.512	
MS SECTION for ROPE DRUM FRAME							
Main frame-1 ISMC 300x90	2*8	1.500			0.96	23.040	
Main frame-2 ISMC 300x90	2*8	1.170			0.96	17.972	
Main frame-3 ISMC 300x90	2*8	0.900			0.96	13.824	
Main frame- ISMC 300x90	2*8	0.930			0.96	14.285	
Main frame-4 ISMC 300x90	2*8	0.690			0.96	10.599	
Main frame-6 ISMC 300x90	2*8	0.240			0.96	3.687	
Plummer block base-1 ISA 90x90x10	4*8	0.300			0.36	3.456	
Plummer block base-2 ISA 90x90x10	4*8	0.280			0.36	3.226	
MS SECTIONS for DRIVE UNIT COVER							
Bottom frame-1 ISA 35x35x5	2*8	0.850			0.14	1.905	

Bottom frame-2 ISA 35x35x5	2*8	1.050			0.14	2.353	
Bottom frame-3 ISA 35x35x5	2*8	0.170			0.14	0.381	
Side frame-1 ISA 35x35x5	2*8	1.200			0.14	2.688	
Top frame outer-1 ISA 35x35x5	2*8	1.100			0.14	2.465	
Top frame outer-2 ISA 35x35x5	2*8	0.850			0.14	1.905	
Top frame inner ISA 35x35x5	2*8	1.535			0.14	3.439	
Side frame-2 ISA 35x35x5	2*8	0.780			0.14	1.748	
Inspection window hinge frame ISA 35x35x6	1*8	0.800			0.14	0.897	
MS SECTIONS for REDUCTION GEAR BOX FRAME							
Support for reduction gear box seat IS A 75 x75 x 8	4*8	0.787			0.3	7.556	
ISA 75x75x8	2*8	0.400			0.3	1.920	
ISA 75x75x8	2*8	0.500			0.3	2.400	
ISA 100x100x8	2*8	0.700			0.4	4.480	
ISA 75x75x8	2*8	0.700			0.3	3.360	
MS SECTIONS for MOTOR FRAME							
Support for Motor seat ISA 75x75x8	2*8	0.700			0.3	3.360	
MS SECTIONS for DIAL && DIAL ASSEMBLY							
Column ISMC 100x50	2*8	1.060			0.3	5.088	
Dial holding ISA 50x50x6	2*8	0.040			0.2	0.128	
MS SECTIONS FOR LADDER							
Ladder rail bottom ISMC 200x75	2*2	3.610			0.7	10.108	
Bottom landing frame- 1 ISMC 200x75	5*2	1.000			0.7	7.000	

Bottom landing frame-2 ISMC 200x75	2*2	3.000			0.7	8.400	
Leg for bottom landing ISMC 150x75	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 75x75x8	8*2	0.180			0.3	0.864	
Ladder rail top ISMC 200x75	2*2	3.450			0.7	9.660	
Top landing frame-1 ISMC 200x75	2*2	1.500			0.7	4.200	
Top landing frame-2 ISMC 200x75	2*2	2.200			0.7	6.160	
Wall support ISMC 150x75	2*2	2.120			0.6	5.088	
Step frame-1 ISA 40x40x6	50*2	1.350			0.16	21.600	
Step frame-2 ISA 40x40x6	50*2	0.300			0.16	4.800	
Hand rail post-1 ISA 65x65x6	19*2	1.100			0.26	10.869	
Hand rail post-2 ISA 65x65x6	3*2	1.150			0.26	1.794	
Handrail bottom MS flat 50x8	1*2	23.600	0.050		2.0	4.721	
Gate frame vertical ISA 40x40x6	2*2	0.390			0.16	0.250	
Gate frame horizontal ISA 40x40x6	2*2	1.060			0.16	0.679	
MS SECTIONS for HOISTING BRIDGE							
Cross girder-1 ISMC 300x90	4*8	1.990			0.96	61.133	
Cross girder-2 ISMC 300x90	2*8	1.990			0.96	30.567	
Cross girder-3 ISMC 200x75	4*8	1.170			0.7	26.208	

Cross girder-4 ISMC 200x75	2*8	0.940			0.7	10.528	
Cross girder-5 ISMC 150x75	12*8	1.990			0.6	114.624	
Cross girder-6 ISMC 150x75	4*8	0.930			0.6	17.856	
To e guard I S A 6 5 x 6 5 x 6	2*8	13.990			0.26	58.199	
I S A 6 5 x 6 5 x 6	22*8	1.250			0.26	57.200	
I S A 7 5 x 7 5 x 8	11*8	0.150			0.3	3.960	
ISMC 150 x 75	11*8	0.500			0.6	26.400	
I S A 7 5 x 7 5 x 8	38*8	0.100			0.3	9.121	
Hand rail post ISA 50x50x6	31*8	1.250			0.2	62.000	
Hand rail bottom 50x8mm flat	2*8	13.500	0.050		2.0	21.600	
Hand rail bottom side 50x8mm flat	1*8	1.550	0.050		2.0	1.241	
Hand rail fixing extension platform ISA 75x75x8	17*8	0.150			0.3	6.120	
Inclined support - extension platform ISA 75x75x8	14*8	0.720			0.3	24.192	
Cross girder bottom ISMC 150x75	5*8	1.990			0.6	47.760	
<b>MS SECTIONS FOR ELECTROMATIC BRAKE FRAME</b>							
Support for EM brake seat ISA75x75x8	2*8	0.700			0.3	3.360	
ISA 150 x150 x8	1*8	0.2500			0.5	1.000	
<b>CHEQUERED PLATE for LADDER</b>							
Landing Platform- B o t t o m - 6 m m 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	
<b>CHEQUERED PLATE for HOISTING BRIDGE</b>								
	Hoisting extension platform - 6 m m Chequered Sheet	1*8	13.990	0.335		2.0	74.987	
	Chq Plt	1*8	9.520	1.900		2.0	289.408	
	Chq Plt	1*8	1.900	0.925		2.0	28.120	
<b>HAND RAILS for LADDER</b>								
	Hand rails (top)-32mm NB GI Pipe	1*2	23.600		0.032	3.14	4.743	
<b>HAND RAILS for HOIST BRIDGE</b>								
	Hand rails -32mm NB GI Pipe	2*8	15.050		0.032	3.14	24.196	
	Hand rails(side)32mm NB GI Pipe	1*8	4.150		0.032	3.14	3.336	
<b>Total Quantity</b>							<b>1654.238 sqm</b>	
<b>Total Deducted Quantity</b>							<b>0.000 sqm</b>	
<b>Net Total Quantity</b>							<b>1654.238 sqm</b>	
<b>Say 1654.238 sqm @ Rs 625.52 / sqm</b>							<b>Rs 1034758.95</b>	
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							
<b>Bolt and Nut for Bottom Block</b>								
	M16X35 Hexagonal Screw with washer (Lock plate)	48*8				0.05	19.201	
<b>Bolt and Nut for Rope drum Cover</b>								
	M 8 X 2 0 length Hexagonal Screw (For Inspection window cover)	16*8				0.04	5.120	

M12X40 length Hexagonal Bolt with nut and washer (For rope drum cover frame)	32*8					0.09	23.040	
Bolt and Nut for Rope Drum Assy								
M16X35 length Hexagonal Screw with washer(For Rope drum shaft lock plate).	32*8					0.06	15.360	
M16X100 length Hexagonal Bolt with nut and washer(For plummer block for pinion gear)	16*8					0.21	26.880	
M20X100 length Hexagonal Bolt with nut and washer(For rope drum frame)	20*8					0.36	57.600	
Bolt and Nut for Drive Unit Cover								
M12X60 length Hexagonal Bolt with nut and washer(For cover)	20*8					0.08	12.800	
Bolt and nut for Hoist Bridge								
M16X35 length Hexagonal Bolt with nut and washer(Pulley Lock plate)	32*8					0.08	20.480	
M16X35 length Hexagonal Bolt with nut and washer(Hand rail fixing)	90*8					0.08	57.600	
M16X50 length Hexagonal Bolt with nut and washer(Hoisting girder web joint)	4*8					0.13	4.160	

M 10 X 60 length Hexagonal Bolt with nut and washer(For Motor and EM brake)	8*8					0.06	3.840	
M24X160 length Hexagonal Bolt with nut and washer(For Reduction gear box)	4*8					0.77	24.640	
M 12 X 65 length Hexagonal Bolt with nut and washer(For manual operation plummer block)	6*8					0.09	4.320	
M20X100 length Hexagonal Bolt with nut and washer(For drive unit main frame)	12*8					0.36	34.560	
M 25 Nut (For foundation rod)	32*3*8					0.13	99.840	
Bolt and Nut for Line Shaft Plummer Block								
M16x100mm length Hexagonal Bolt with nut and washer	8*8					0.21	13.440	
PLATES for Motor FRAME								
Reduction gear box seat	1*8	0.350	0.350	0.010	7850.0	76.930		
Stiffner for Reduction gear box seat - outer	4*8	0.095	0.950	0.010	7850.0	226.708		
Stiffner for Reduction gear box seat - inner	2*8	0.192	0.100	0.010	7850.0	24.116		
EM brake seat	1*8	0.350	0.125	0.010	7850.0	27.475		
Stiffner for EM brake seat - outer	2*8	0.070	0.070	0.010	7850.0	6.155		
Motor seat	1*8	0.250	0.250	0.010	7850.0	39.250		
Stiffner for Motor seat - outer	2*8	0.070	0.070	0.010	7850.0	6.155		
Stiffner for Motor seat - inner	1*8	0.100	0.075	0.010	7850.0	4.710		
PLATES for DRIVE UNIT COVER								

	Side cover for -1	2*8	1.520	1.200	0.00315	7850.0	721.648	
	Side cover for -2	1*8	1.180	0.840	0.00315	7850.0	196.080	
	Side cover for -3	1*8	1.080	0.840	0.00315	7850.0	179.463	
	Strengthening plate on cover for manual operation shaft	1*8	0.150	0.150	0.008	7850.0	11.304	
	Top cover	1*8	1.535	0.840	0.00315	7850.0	255.070	
	Inspection window	1*8	0.300	0.300	0.00315	7850.0	17.804	
	Plate	2*8	1.110	0.055	0.005	7850.0	38.340	
	PLATES 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	
	Stiffner for leg	4*2	0.150	0.100	0.008	7850.0	7.537	
	Top plate of 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	
	PLATES FOR DIAL AND DIAL ASSEMBLY							
	Worm reducer seat	1*8	0.450	0.300	0.008	7850.0	67.824	
	Stiffner-1 for worm reducer seat	2*8	0.180	0.150	0.008	7850.0	27.130	
	Stiffner-2 for worm reducer seat	1*8	0.170	0.150	0.008	7850.0	12.812	
	Shim	1*8	0.165	0.050	0.002	7850.0	1.037	
	Plummer block seat	1*8	0.200	0.090	0.010	7850.0	11.304	
	Stiffner for bottom of plummer block	2*8	0.100	0.090	0.080	7850.0	90.432	
	Sheet	1*8	0.170	0.040	0.00315	7850.0	1.346	
	Connecting plate for column to girder	2*8	0.300	0.220	0.080	7850.0	663.168	

PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT								
Seat and base for Plummer block	4*8	0.350	0.150	0.012	7850.0	158.256		
Side plate	4*8	0.500	0.150	0.012	7850.0	226.080		
Stiffner for seat and base	4*8	0.500	0.301	0.012	7850.0	453.668		
Plate	4*8	0.301	0.112	0.012	7850.0	101.622		
PLATES for ROPE DRUM COVER								
Cover -1	1*8	2.159	0.500	0.00315	7850.0	213.547		
Cover -2	2*8	1.294	0.720	0.00315	7850.0	368.610		
Inspection window	1*8	0.250	0.210	0.00315	7850.0	10.386		
Flat	2*8	1.030	0.050	0.005	7850.0	32.343		
Flat	1*8	0.945	0.050	0.005	7850.0	14.837		
PLATES for ROPE DRUM FRAME								
Bracket for rope drum shaft	4*8	0.575	0.350	0.020	7850.0	1011.080		
lock plate for drum shaft	4*8	0.290	0.100	0.010	7850.0	72.848		
Extension plate -1	2*8	1.500	0.060	0.010	7850.0	113.040		
Extension plate -2	2*8	0.600	0.060	0.010	7850.0	45.216		
Stiffner-1 Main frame	14*8	0.290	0.180	0.008	7850.0	367.154		
Stiffner-2 Main frame	4*8	0.290	0.080	0.0080	7850.0	46.623		
Plate for plummer block base-1	8*8	0.080	0.080	0.010	7850.0	32.154		
Plate for plummer block base-1	8*8	0.080	0.070	0.010	7850.0	28.135		
Spacer for drum shaft	8*8	0.320	0.100	0.005	7850.0	80.384		
Plate	4*8	0.120	0.070	0.025	7850.0	52.753		
Plate	12*8	0.100	0.025	0.012	7850.0	22.609		
PLATES for Gear Box FRAME								
Gear Box Assy	2*8	0.575	0.350	0.020	7850.0	505.540		
Gear Box Assy	2*8	0.290	0.100	0.010	7850.0	36.424		
Gear Box Assy	1*8	1.500	0.060	0.010	7850.0	56.520		
Gear Box Assy	1*8	0.600	0.060	0.010	7850.0	22.608		
PLATES for ELECTROMAGNETIC BRAKE FRAME								

	EM brake seat	1*8	0.360	0.140	0.010	7850.0	31.652	
	Stiffner for EM brake seat - outer	4*8	0.065	0.065	0.010	7850.0	10.614	
	PLATES for HOISTING BRIDGE							
	Hoisting girder fab ISMB - flange	2*8	13.990	0.860	0.010	7850.0	15111.439	
	Hoisting girder fab ISMB - web	2*8	13.990	0.200	0.020	7850.0	7028.576	
	Hoisting girder fab ISMB - web	2*8	13.990	0.200	0.020	7850.0	7028.576	
	Plate	11*8	0.250	0.240	0.010	7850.0	414.480	
	End ribs on hoisting girder	4*8	1.592	0.550	0.016	7850.0	3519.212	
	Plate	38*8	0.860	0.090	0.008	7850.0	1477.659	
	Plate	6*8	0.400	0.400	0.020	7850.0	1205.761	
	Plate	2*8	0.400	0.400	0.020	7850.0	401.921	
	Plate	16*8	0.880	0.190	0.008	7850.0	1344.021	
	Flat	2*8	12.400	0.050	0.008	7850.0	622.977	
	Plate	16*8	0.160	0.050	0.010	7850.0	80.384	
	Plate	24*8	0.730	0.100	0.008	7850.0	880.205	
	Plate	12*8	0.580	0.100	0.008	7850.0	349.671	
	Plate	32*8	3.14/4	.15*.15	0.020	7850.0	709.892	
	MS SECTIONS for MANUAL OPERATING MECHANISM							
	Sleeve bearing seat ISMC 150x75	1*8	0.700			16.4	91.840	
	Column ISA 75x75x8	4*8	0.900			8.9	256.320	
	Sprocket base top-1 ISA 75x75x8	2*8	0.400			8.9	56.961	
	Sprocket base top-2 ISA 75x75x8	2*8	0.500			8.9	71.200	
	Plummer block base bottom ISMC 150x75	1*8	0.250			16.4	32.800	
	MS SECTIONS for DRIVE UNIT FRAME							
	Main frame-1 ISMC 200x75	2*8	1.600			22.3	570.880	

Main frame-2 ISMC 200x75	2*8	0.700			22.3	249.760	
Main frame- ISMC 200x75	1*8	0.700			22.3	124.880	
MS SECTIONS for ROPE DRUM COVER							
Top frame ISA 3 5 x 3 5 x 5	4*8	2.159			2.6	179.629	
Bottom frame-1 ISA 35x35x5	4*8	0.540			2.6	44.929	
Bottom frame-2 ISA 35x35x5	2*8	0.808			2.6	33.613	
Bottom frame-3 ISA 35x35x5	4*8	0.0670			2.6	5.575	
Bottom frame-4 ISA 35x35x5	2*8	0.210			2.6	8.736	
Bottom frame-5 ISA 35x35x5	2*8	0.088			2.6	3.661	
Top frame inner ISA 35x35x5	14*8	0.470			2.6	136.864	
Round edge frame-1 5mm flat	4*8	1.030	0.050	0.005	7850.0	64.685	
Round edge frame-2 5mm flat	2*8	0.945	0.050	0.005	7850.0	29.673	
MS SECTION for ROPE DRUM FRAME							
Main frame-1 ISMC 300x90	2*8	1.500			35.8	859.200	
Main frame-2 ISMC 300x90	2*8	1.170			35.8	670.176	
Main frame-3 ISMC 300x90	2*8	0.900			35.8	515.520	
Main frame- ISMC 300x90	2*8	0.930			35.8	532.704	
Main frame-4 ISMC 300x90	2*8	0.690			35.8	395.232	
Main frame-6 ISMC 300x90	2*8	0.240			35.8	137.472	
Plummer block base-1 ISA 90x90x10	4*8	0.300			13.4	128.640	

	Plummer block base-2 ISA 90x90x10	4*8	0.280			13.4	120.065	
MS SECTIONS for DRIVE UNIT COVER								
	Bottom frame-1 ISA 35x35x5	2*8	0.850			2.6	35.360	
	Bottom frame-2 ISA 35x35x5	2*8	1.050			2.6	43.681	
	Bottom frame-3 ISA 35x35x5	2*8	0.170			2.6	7.073	
	Side frame-1 ISA 35x35x5	2*8	1.200			2.6	49.920	
	Top frame outer-1 ISA 35x35x5	2*8	1.100			2.6	45.761	
	Top frame outer-2 ISA 35x35x5	2*8	0.850			2.6	35.360	
	Top frame inner ISA 35x35x5	2*8	1.535			2.6	63.856	
	Side frame-2 ISA 35x35x5	2*8	0.780			2.6	32.448	
	Inspection window hinge frame ISA 35x35x6	1*8	0.800			3.0	19.201	
MS SECTIONS for REDUCTION GEAR BOX FRAME								
	Support for reduction gear box seat IS A 75 x75 x 8	4*8	0.787			8.9	224.138	
	ISA 75x75x8	2*8	0.400			8.9	56.961	
	ISA 75x75x8	2*8	0.500			8.9	71.200	
	ISA 100x100x8	2*8	0.700			12.1	135.520	
	ISA 75x75x8	2*8	0.700			8.9	99.680	
		2*8	0.700			8.9	99.680	
MS SECTIONS for MOTOR FRAME								
	Support for Motor seat ISA 75x75x8	2*8	0.700			8.9	99.680	
MS SECTIONS for DIAL & DIAL ASSEMBLY								
	Column ISMC 100x50	2*8	1.060			9.54	161.799	



	Dial holding ISA 50x50x6	2*8	0.040			4.5	2.880	
MS SECTIONS FOR LADDER								
	Ladder rail bottom ISMC 200x75	2*2	3.610			22.1	319.124	
	Bottom landing frame- 1 ISMC 200x75	5*2	1.000			22.1	221.000	
	Bottom landing frame- 2 ISMC 200x75	2*2	3.000			22.1	265.201	
	Leg for bottom landing ISMC 150x75	4*2	2.350			16.4	308.320	
	B r a c i n g - 1 I S A 7 5 x 7 5 x 8	2*2	2.000			8.9	71.200	
	B r a c i n g - 2 I S A 7 5 x 7 5 x 8	2*2	0.700			8.9	24.920	
	Cleat ISA 75x75x8	8*2	0.180			8.9	25.632	
	Ladder rail top ISMC 200x75	2*2	3.450			22.1	304.980	
	Top landing frame-1 ISMC 200x75	2*2	1.500			22.1	132.601	
	Top landing frame-2 ISMC 200x75	2*2	2.200			22.1	194.481	
	Wall support ISMC 150x75	2*2	2.120			16.4	139.072	
	Step frame-1 ISA 40x40x6	50*2	1.350			3.5	472.500	
	Step frame-2 ISA 40x40x6	50*2	0.300			3.5	105.000	
	Hand rail post-1 ISA 65x65x6	19*2	1.100			5.8	242.441	
	Hand rail post-2 ISA 65x65x6	3*2	1.150			5.8	40.020	
	Handrail bottom MS flat 50x8	1*2	23.600	0.050	0.008	7850.0	148.209	
	Gate frame vertical ISA 40x40x6	2*2	0.390			3.5	5.460	
	Gate frame horizontal ISA 40x40x6	2*2	1.060			3.5	14.840	

MS SECTIONS for HOISTING BRIDGE								
Cross girder-1 ISMC 300x90	4*8	1.990				35.8	2279.744	
Cross girder-2 ISMC 300x90	2*8	1.990				35.8	1139.872	
Cross girder-3 ISMC 200x75	4*8	1.170				22.1	827.424	
Cross girder-4 ISMC 200x75	2*8	0.940				22.1	332.384	
Cross girder-5 ISMC 150x75	12*8	1.990				16.4	3133.056	
Cross girder-6 ISMC 150x75	4*8	0.930				16.4	488.064	
To e guard I S A 6 5 x 6 5 x 6	2*8	13.990				5.8	1298.272	
I S A 6 5 x 6 5 x 6	22*8	1.250				5.8	1276.000	
I S A 7 5 x 7 5 x 8	11*8	0.150				9.03	119.196	
ISMC 150 x 75	11*8	0.500				16.4	721.600	
I S A 7 5 x 7 5 x 8	38*8	0.100				9.03	274.512	
Hand rail post ISA 50x50x6	31*8	1.250				4.5	1395.000	
Hand rail bottom 50x8mm flat	2*8	13.500	0.050	0.008		7850.0	678.240	
Hand rail bottom side 50x8mm flat	1*8	1.550	0.050	0.008		7850.0	38.937	
Hand rail fixing extension platform ISA 75x75x8	17*8	0.150				8.9	181.560	
Inclined support - extension platform ISA 75x75x8	14*8	0.720				8.9	717.696	
Cross girder bottom ISMC 150x75	5*8	1.990				16.4	1305.440	
MS SECTIONS FOR ELECTROMATIC BRAKE FRAME								
Support for EM brake seat ISA75x75x8	2*8	0.700				8.9	99.680	
ISA 150 x150 x8	1*8	0.2500				22.8	45.600	

MS ROUND BARS for HOISTING BRIDGE								
Foundation Rod- 25mm MS rod	32*8	0.750			3.85	739.200		
MS ROUND BARS for DRIVE UNIT								
Lifting Hook-12mm MS rod	2*8	0.300			0.89	4.272		
MS ROUND BARS for ROPE DRUM COVER								
Lifting Hook-1-16mm MS rod	4*8	0.300			1.58	15.168		
Lifting Hook-2-16mm MS rod	2*8	0.400			1.58	10.113		
Lifting Hook-3-16mm MS rod	2*8	0.280			1.58	7.079		
MS ROUND BARS for LADDER								
J type Anchor rod - 16mm MS rod	24*2	0.310			1.58	23.511		
Dial								
20mm dia	1*8	0.2000			2.47	3.953		
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		
CHEQUERED PLATE for HOISTING BRIDGE								
Hoisting extension p l a t f o r m - 6 m m Chequered Sheet	1*8	13.990	0.335		49.2	1844.666		
Chq Plt	1*8	9.520	1.900		49.2	7119.437		
Chq Plt	1*8	1.900	0.925		49.2	691.753		
HAND RAILS for LADDER								

	Hand rails (top)-32mm NB GI Pipe	1*2	23.600			2.54	119.888	
HAND RAILS for HOIST BRIDGE								
	Hand rails -32mm NB GI Pipe	2*8	15.050			2.54	611.633	
	Hand rails(side)32mm NB GI Pipe	1*8	4.150			2.54	84.328	
WIRE ROPE DIA 22MM								
	Wire rope dia22MM	1*8	170.000			1.98	2692.800	
Total Quantity							89340.579 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							89340.579 kg	
Say 89340.579 kg @ Rs 3.86 / kg							<b>Rs 344854.63</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>9 E6 Supplying, stacking, erecting and trial run of ROPE DRUM HOISTING UNIT and its ACCESSORIES</b>								
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel							
LINE SHAFT								
	Dia 71mm round bar for Dia 65mm Line shaft	2*8	4.614			31.08	2294.450	
Total Quantity							2294.450 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							2294.450 kg	
Say 2294.450 kg @ Rs 128.95 / kg							<b>Rs 295869.33</b>	
2	od119473/2021_2022 supply of PLUMMER BLOCK SNA 513TC to Suit for 60mm dia Line Shaft with 1213 EK Bearing + H213 adapter sleeve							
PLUMMER BLOCK FOR LINE SHAFT								
	Plummer Block	4*8					32.000	
Total Quantity							32.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							32.000 no	
Say 32.000 no @ Rs 6417.29 / no							<b>Rs 205353.28</b>	
3	od119490/2021_2022 Cost of supplying and stacking 20mm, 6/36 construction, right hand lay ungalvanised main fibre core wire							

	rope   having UTS 180Kg/mm2 breaking load capacity 23853 Kg confirming to IS2266-1989							
	WIRE ROPE DIA 22MM							
	Wire rope dia22MM	1*8	170.000				1360.000	
	Total Quantity						1360.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1360.000 metre	
	Say 1360.000 metre @ Rs 309.77 / metre						<b>Rs 421287.20</b>	
4	85.133 Supplying and stacking of 25 Tonne capacity rope drum hoisting unit having 13.5 m lift at a hoisting speed of about 0.45 m/min(+/-10%) through pulley arrangements with 4 numbers of falls on either side with 20mm tested galvanized wire rope 6/36 construction, fibre core having breaking capacity 23853Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 5HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of Line shaft but including 2 nos. of plummer blocks with bearings for line shaft supported at proper intervals and 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.							
	Supplying and stacking of 25T CAPACITY ROPE DRUM HOIST UNIT and its ACCESSORIES							
	25T Rope Drum Hoist	1*8					8.000	
	Total Quantity						8.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						8.000 set	
	Say 8.000 set @ Rs 929711.46 / set						<b>Rs 7437691.68</b>	
5	od119496/2021_2022 Providing DIAL ASSEMBLY							
	Dial Assembly	1*8					8.000	
	Total Quantity						8.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						8.000 set	
	Say 8.000 set @ Rs 28665.34 / set						<b>Rs 229322.72</b>	
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							
	ERECTION OF HOISTING							
	Erection	1*8					8.000	

	Total Quantity						8.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						8.000 no	
	Say 8.000 no @ Rs 73007.53 / no						<b>Rs 584060.24</b>	
7	85.135 Conveying and Fixing wire rope already supplied to the new gates and Hoisting unit safely and conducting Trial run							
	WIRE ROPE FOR HOISTING							
	Conveying and Fixing wire rope	1*8					8.000	
	Total Quantity						8.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						8.000 set	
	Say 8.000 set @ Rs 23900.99 / set						<b>Rs 191207.92</b>	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
<b>10 APPENDIX - D CONSTRUCTION OF GENERATOR ROOM</b>								
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							
	column	8	1.600	1.400	1.500		26.880	
	Foundation for long walls	3	2.800	0.600	0.600		3.024	
		2	2.300	0.600	0.600		1.656	
	cross walls	2	1.400	0.600	0.600		1.008	
		2	1.600	0.600	0.600		1.152	
	Total Quantity						33.720 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						33.720 cum	
	Say 33.720 cum @ Rs 295.10 / cum						<b>Rs 9950.77</b>	
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 212.70 / cum	<b>Rs 25524.00</b>	
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	8	1.600	1.400	0.150		2.688	
	Rooms floor	2	4.000	3.0000	0.100		2.401	
		1	3.500	3.0000	0.100		1.050	
	For cable duct in panel room	1	4.000	1.000	0.150		0.600	
	For cable duct in generator room	1	2.000	1.000	0.150		0.300	
	rooms floor at cable duct	1	4.000	1.000	0.100		-0.400	
		1	2.000	1.000	0.100		-0.200	
						Total Quantity	7.039 cum	
						Total Deducted Quantity	-0.600 cum	
						Net Total Quantity	6.439 cum	
						Say 6.439 cum @ Rs 6772.67 / cum	<b>Rs 43609.22</b>	
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	8	5.200		0.300		12.480	
		8	2.800		0.300		6.720	
						Total Quantity	19.200 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	19.200 sqm	
						Say 19.200 sqm @ Rs 333.24 / sqm	<b>Rs 6398.21</b>	
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		
	sunshade	1	2.100	0.600	1.000		1.260		
		1	3.300	1.000	0.080		0.264		
		1	6.200	0.060	1.000		0.372		
		1	7.400	1.000	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 645.79 / sqm						<b>Rs 49592.15</b>		
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	8	1.200		0.600		5.760		
		5	1.200		2.900		17.400		
		3	1.200		3.500		12.601		
	Total Quantity						35.761 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						35.761 sqm		
	Say 35.761 sqm @ Rs 858.29 / sqm						<b>Rs 30693.31</b>		
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 810.72 / sqm	<b>Rs 57456.54</b>	
8	50.5.33.1	Providing and laying in position machine batched and machine mixed design mix M- 20 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 up to plinth level						
	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 9355.22 / cum	<b>Rs 69733.81</b>	
9	50.5.33.2	Providing and laying in position machine batched and machine mixed design mix M-20 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						
	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	
	beam 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 10997.08 / cum						<b>Rs 115557.32</b>	
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			120.0	894.480	
	Total Quantity						894.480 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						894.480 kilogram	
	Say 894.480 kilogram @ Rs 97.69 / kilogram						<b>Rs 87381.75</b>	
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 7160.14 / cum						<b>Rs 112149.27</b>	
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 333.91 / sqm						<b>Rs 2324.35</b>	
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 6218.43 / cum	<b>Rs 190389.67</b>	
14	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	5.100	0.100	0.075		0.039	
	window -w	1	6.000	0.100	0.075		0.046	
	window -w1	1	5.000	0.100	0.075		0.038	
	ventilator	1	3.000	0.100	0.075		0.023	
						Total Quantity	0.146 cum	
						Total Deducted Quantity	0.000 cum	

	Net Total Quantity							0.146 cum
	Say 0.146 cum @ Rs 109713.87 / cum							<b>Rs 16018.23</b>
15	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			0.89	19.937	
	window w1	14	1.100			0.89	13.707	
	ventilator v1	2	0.900			0.89	1.602	
	Total Quantity							35.246 kg
	Total Deducted Quantity							0.000 kg
	Net Total Quantity							35.246 kg
	Say 35.246 kg @ Rs 107.67 / kg							<b>Rs 3794.94</b>
16	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 193.37 / kg							<b>Rs 29933.68</b>
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 Engineer in - 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 3283.64 / sqm							<b>Rs 13223.22</b>

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 105.31 / no							<b>Rs 210.62</b>	
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 61.78 / no							<b>Rs 123.56</b>	
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 875.81 / each							<b>Rs 875.81</b>	
21	50.9.15.1 Supplying and fixing 200 mm Aluminium aldrops								
	Door	1					1.000		
	Total Quantity						1.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						1.000 no		
	Say 1.000 no @ Rs 171.55 / no							<b>Rs 171.55</b>	
22	50.9.15.3 Providing and fixing iron hooks and eyes : 200mm.								

	Window W	1*3					3.000	
	Window W1	1*2					2.000	
	Total Quantity						5.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						5.000 no	
	Say 5.000 no @ Rs 18.81 / no							<b>Rs 94.05</b>
23	50.9.15.5 Providing and fixing iron hooks and eyes: 100 mm							
	Window W	1*3*2					6.000	
	Window W1	1*2*2					4.000	
	Total Quantity						10.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						10.000 no	
	Say 10.000 no @ Rs 14.16 / no							<b>Rs 141.60</b>
24	9.117.1 Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1$ mm), with wall thickness 2.0mm ( $\pm 0.2$ mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 x 19 mm and 1 mm ( $\pm 0.1$ mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge Extruded section profile size 48x40 mm							
		1	5.100				5.100	
	Total Quantity						5.100 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						5.100 metre	
	Say 5.100 metre @ Rs 259.33 / metre							<b>Rs 1322.58</b>
25	9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on th inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm ) thick x 15 mm wide PVC sheet beading on inner side, and joined together with							

	solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters						
		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 2834.87 / sqm						<b>Rs 5360.74</b>
26	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 3279.68 / sqm						<b>Rs 10334.27</b>
27	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 323.00 / sqm						<b>Rs 103397.47</b>	
28	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 265.93 / sqm						<b>Rs 18412.99</b>	
29	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 70.20 / sqm						<b>Rs 26616.75</b>	
30	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 192.69 / sqm						<b>Rs 21527.33</b>	
31	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 147.21 / sqm						<b>Rs 2542.02</b>	
32	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 150.45 / sqm						<b>Rs 58578.61</b>	
33	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 207.25 / sqm						<b>Rs 1819.24</b>	
34	<p>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.</p>							
	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 1165.92 / sqm						<b>Rs 19880.10</b>	
35	<p>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 &amp; C.P. flush bend with fittings &amp; 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</p>							
		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 7820.15 / each						<b>Rs 7820.15</b>	
36	<p>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</p>							
		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 3330.28 / each					<b>Rs 3330.28</b>	
37	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/cm <sup>2</sup> - 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 315.99 / metre					<b>Rs 15799.50</b>	
38	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 160.81 / no					<b>Rs 321.62</b>	
39	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 <sup>2</sup>							
		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 720.01 / metre					<b>Rs 14400.20</b>	
40	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 10.31 / Litre						<b>Rs 10310.00</b>	
41	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 17177.84 / each						<b>Rs 17177.84</b>	
42	od125297/2021_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. Details of cost for 1 sqm MATERIAL Ceramic Glazed tiles = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm							
		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 1205.25 / sqm						<b>Rs 14752.26</b>	
43	17.73.1 Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm. weighing not less than 170 gms							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 649.70 / no						<b>Rs 649.70</b>	
44	17.71 Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms							

		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 185.48 / each						<b>Rs 185.48</b>		
45	od240743/2021_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 1084.28 / sqm						<b>Rs 3035.98</b>		
46	9.53 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 209.67 / each						<b>Rs 2935.38</b>		
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	1.000		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 5179.99 / sqm						<b>Rs 10877.98</b>		

48	5.22A.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo - Mechanically Treated bars of grade Fe-500D or more							
	qty of concrete as per spec no 5.2.2	1	10.508			120.0	1260.960	
	Total Quantity						1260.960 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1260.960 kg	
	Say 1260.960 kg @ Rs 97.69 / kg						<b>Rs 123183.18</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>11 APPENDIX - C -CONSTRUCTION OF APPROACH ROAD</b>								
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							
	kaladikunnu side approach road	2					2.000	
	watch tower	4					4.000	
	Total Quantity						6.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						6.000 each	
	Say 6.000 each @ Rs 991.56 / each						<b>Rs 5949.36</b>	
2	2.3.2.A 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 light jungle - By Mechanical Means							
	kaladikunnu side approach road and watch tower	0.082					0.082	
	Total Quantity						0.082 Hecter	
	Total Deducted Quantity						0.000 Hecter	
	Net Total Quantity						0.082 Hecter	
	Say 0.082 Hecter @ Rs 49592.63 / Hecter						<b>Rs 4066.60</b>	
3	3.18 Construction of sub-grade and earthen shoulders with approved material obtained from borrow pits with							

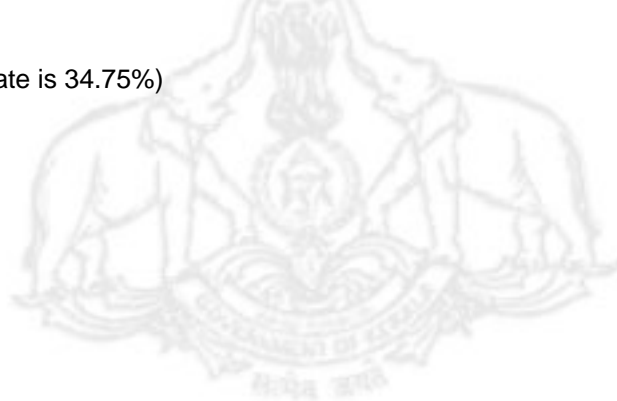
	all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2							
	kaladikunnu side	1	114.000	5.000	0.500		285.000	
	Total Quantity						285.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						285.000 cum	
	Say 285.000 cum @ Rs 440.14 / cum						<b>Rs 125439.90</b>	
4	<p>4.9.B.3.A          Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/ vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density          Grading-II - Using Scriming Crushable type such as Moorum or Gravel- By Mechanical Means</p>							
	kaladikunnu side	1	114.000	3.400	0.075		29.070	
	Total Quantity						29.070 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						29.070 cum	
	Say 29.070 cum @ Rs 3082.97 / cum						<b>Rs 89621.94</b>	
5	<p>4.9.B.2.A          Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/ vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density          Grading-I - Using Scriming Crushable type such as Moorum or Gravel - By Mechanical Means</p>							
	kaladikunnu side	1	114.000	3.200	0.075		27.360	
	Total Quantity						27.360 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						27.360 cum	
	Say 27.360 cum @ Rs 2645.71 / cum						<b>Rs 72386.63</b>	
6	<p>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.</p>							
	kaladikunnu side	1	114.000	3.200			364.800	
	Total Quantity						364.800 sqm	



							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	364.800 sqm
							Say 364.800 sqm @ Rs 57.83 / sqm	<b>Rs 21096.38</b>
7	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.							
	kaladikunnu side	1	114.000	3.200				364.800
							Total Quantity	364.800 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	364.800 sqm
							Say 364.800 sqm @ Rs 11.09 / sqm	<b>Rs 4045.63</b>
8	5.7.2 Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 13.2 mm to 0.09 mm (Type-B) aggregates using viscosity grade bitumen ( VG - 30) to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable HMP of appropriate capacity not less than 75 tonnes/hour., laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade.							
	Kaladikunnu side	1	114.000	3.000				342.000
							Total Quantity	342.000 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	342.000 sqm
							Say 342.000 sqm @ Rs 179.83 / sqm	<b>Rs 61501.86</b>
9	5.10.2.a Providing and laying of premix sand seal coat with HMP of appropriate capacity not less than 75 tonnes/ hours using crushed stone chipping 6.7 mm size and bitumen (VG-30) 6.8 kg per 10 sqm							
	Kaladikunnu side	1	114.000	3.000				342.000
							Total Quantity	342.000 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	342.000 sqm
							Say 342.000 sqm @ Rs 56.84 / sqm	<b>Rs 19439.28</b>
10	3.24.A Construction of unlined surface drains of average cross sectional area 0.40 sqm in soil by mechanical Means to specified lines, grades, levels and dimensions to the requirement of clause 301 and 309. Excavated material to be used in embankment within a lead of 50 metres (average lead 25 metres)							
	Kaladikunu side	1	114.000	2.000				228.000
							Total Quantity	228.000 metre

Total Deducted Quantity	0.000 metre
Net Total Quantity	228.000 metre
Say 228.000 metre @ Rs 76.14 / metre	<b>Rs 17359.92</b>
Provision for GST payments (in %) @	<b>18.0%</b>
Amount reserved for GST payments	<b>44514400.12</b>
Total	<b>291816623.12</b>
Lumpsum for round off	<b>376.88</b>
<b>TOTAL Rs 291817000.00</b>	
<b>Rounded Total Rs 29,18,17,000</b>	
Rupees Twenty Nine Crore Eighteen Lakh Seventeen Thousand Only	

(Cost Index Applied for this estimate is 34.75%)



Other Engineering Organisations

**PRICE**