

TS Register No: 631/2019-2020

AS Register No:641/2019-2020

KIIFB-Construction of a Regulator across Kadalundi River at Puzhankavu in Manjeri Municipalityin Malappuram District.

Detailed Estimate

(Dsr year: 2016, Cost Index Applied for this estimate is 31.06%)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 Appendix A- Construction of Regulator								
1	2.3.1.B Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness In area of thorny jungle -By Manual Means							
	Right bank	1	300.000	10.000		0.0	0.300	
	Left bank	1	300.000	10.000		0.0	0.300	
	Total Quantity						0.600 Hecter	
	Total Deducted Quantity						0.000 Hecter	
	Net Total Quantity						0.600 Hecter	
	Say 0.600 Hecter @ Rs 133923.87 / Hecter						Rs 80354.32	
2	od43853/2019_2020 RING BUND Type-I-Putting up ring bund as per approved shape 3.5m bottom width, 1m top width using empty gunny/polythene bags filled with earth placed in 2 rows at 1m apart and filled in between with puddle clay to form bund for an average height 3.00m including labour dismantling the bund after completion of the work etc. complete. 							
	Cross Bunds	2	15.000				30.000	
	Long bund	2*2	40.000				160.000	
	Total Quantity						190.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						190.000 metre	
	Say 190.000 metre @ Rs 2186.49 / metre						Rs 415433.10	
3	od43845/2019_2020 Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
		5*60*8					2400.000	
	Total Quantity						2400.000 hour	

	Left bank Abutment A1	1	3.000	9.000			27.000		
	Right bank Abutment A2	1	5.000	9.000			45.000		
	For piers	4	8.000	6.000			192.000		
	Sub surface weirs	4	8.000	4.000			128.000		
	Weir at LB	1	10.000	4.000			40.000		
	Total Quantity						432.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						432.000 each		
	Say 432.000 each @ Rs 674.18 / each						Rs 291245.76		
8	12.8.2.C.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications RCC Grade M20 With Batching Plant, Transit Mixer and Concrete Pump								
	Levelling course for Sub surface weir	4	8.000	4.000	0.200		25.600		
	Levelling course for LB abutment (A1)	1	9.4000	2.400	0.200		4.512		
		2	1.500	2.400	0.200		1.440		
	Levelling course for RB CF abutment	1	9.400	5.000	0.200		9.400		
	Footing LB abutment (A1)	1	4.400	2.400	0.300		3.168		
	Footing for LB abutment (A1) wings	2	1.500	2.400	0.300		2.160		
	Weir Between A1 and P1	1	4.000	$(4+1.5)/2$	$(6.655+1.612)/2$		45.469		
	Sub surface weirs b/w P1 and P2	1	12.000	$(2.5+1.5)/2$	1.500		36.000		
	Sub surface weirs b/w P2,P3,P4 and A2	3	12.000	$(4+1.5)/2$	3.6650		362.836		
	Total Quantity						490.585 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						490.585 cum		
	Say 490.585 cum @ Rs 7509.93 / cum						Rs 3684259.01		

9	13.5.B Plain/Reinforced Cement Concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M20 - Height upto 5m						
	Super structure for LB abutment (A1)	1	12.000	(2+1)/2	4.000		72.000
	Total Quantity						72.000 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						72.000 cum
	Say 72.000 cum @ Rs 8708.35 / cum						Rs 627001.20
10	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						
	For foundation Abutment CF A2	1	5.000	9.000	1.000		45.000
	For pier footing	4	8.000	6.000	1.500		288.000
	Total Quantity						333.000 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						333.000 cum
	Say 333.000 cum @ Rs 8074.06 / cum						Rs 2688661.98
11	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						
	Pier	4	2.000	2.000	5.000		80.000
		4	3.14*1*1	1.000	5.000		62.801
	CF abutment stem	1	1.000	9.000	5.000		45.000
	Counter fort middle	2	0.500	$\frac{(3+1.125)}{2}$	5.000		10.313
	End CF s	2	0.500	3.000	5.000		15.000
	Groove	8	0.600	0.600	5.000		-14.399
	Total Quantity						213.114 cum
	Total Deducted Quantity						-14.399 cum
	Net Total Quantity						198.715 cum
	Say 198.715 cum @ Rs 8560.45 / cum						Rs 1701089.82
12	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								
	Plers	4	2.000	2.000	3.970		63.520		
		4	3.140	1*1	3.970		49.864		
		4	2.000	2.000	4.885		78.160		
	cap	4	2.500	2.500	0.300		7.500		
	Counter fort stem	1	1.000	9.000	3.000		27.000		
		1	1.000	9.000	4.925		44.325		
	Counter fort	2	0.500	$(1.125+0)/2$	3.000		1.688		
		2	0.500	3.000	3.000		9.000		
	Groove	8	0.600	0.600	8.855		-25.502		
	Total Quantity						281.057 cum		
	Total Deducted Quantity						-25.502 cum		
	Net Total Quantity						255.555 cum		
	Say 255.555 cum @ Rs 8840.60 / cum						Rs 2259259.53		
13	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications								
	As per item 8	1	490.585			0.02	9.812		
	As per item 10	1	333.000			0.11	36.630		
	Total Quantity						46.442 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						46.442 MT		
	Say 46.442 MT @ Rs 74208.34 / MT						Rs 3446383.73		
14	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications								
	as per item 9	1	72.000			0.11	7.920		
	as per item 11	1	198.715			0.11	21.859		
	as per item 12	1	255.555			0.11	28.112		
	Total Quantity						57.891 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						57.891 MT		
	Say 57.891 MT @ Rs 74484.41 / MT						Rs 4311976.98		

15	13.10 Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.							
	Land Side Of Abutment	2	5.000	0.600	8.000		48.000	
	Total Quantity						48.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						48.000 cum	
	Say 48.000 cum @ Rs 3117.99 / cum						Rs 149663.52	
16	od43877/2019_2020 Sand Filling in Foundation Trenches as per Drawing & Technical Specification using available sand							
	Below gabion block U/S apron	1	70.000	2.000	0.300		42.000	
	Below gabion block D/S apron	1	70.000	5.000	0.300		105.000	
	Total Quantity						147.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						147.000 cum	
	Say 147.000 cum @ Rs 198.03 / cum						Rs 29110.41	
17	od43878/2019_2020 Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of $\pm 2\%$) Zinc+PVC coated, Mesh wire diameter 2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.							
	For filling inside gabion boxes							
	U/S side	1	70.000	2.000	0.500		70.000	
	D/s side	1	70.000	2.500	0.500		87.500	
	D/S side	1	70.000	2.500	1.000		175.000	
	Total Quantity						332.500 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						332.500 cum	
	Say 332.500 cum @ Rs 4010.73 / cum						Rs 1333567.73	

18	od50475/2019_2020 Stone pitching with good quality blasted rubble including packing to compactness to lines levels, cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site							
	For left bank piching	1	6.000	5.000	0.450		13.500	
	Total Quantity						13.500 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						13.500 cum	
	Say 13.500 cum @ Rs 2370.42 / cum						Rs 32000.67	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 Appendix B- Bank Protection Works								
1	od50074/2019_2020 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge.All kinds of soil 							
	U/s both banks	2	110.000	(5+1)/2	8.000		5280.000	
	D/s both banks	2	50.000	(5+1)/2	8.000		2400.000	
	Total Quantity						7680.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						7680.000 cum	
	Say 7680.000 cum @ Rs 175.14 / cum						Rs 1345075.20	
2	od43845/2019_2020 Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
		3	45.000	8.000			1080.000	
	Total Quantity						1080.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						1080.000 hour	
	Say 1080.000 hour @ Rs 232.74 / hour						Rs 251359.20	
3	od43854/2019_2020 RING BUND Type-I-Putting up ring bund as per approved shape 2.5m bottom width, 1m top width using empty gunny/polythene bags filled with earth placed in 2 rows at 0.6m apart and filled in between with puddle clay to form bund for an average height 2.00m including labour dismantling the bund after completion of the work etc. complete.							
	U/S and d/s	2	160.000				320.000	
	Total Quantity						320.000 metre	
	Total Deducted Quantity						0.000 metre	

	Net Total Quantity						320.000 metre	
	Say 320.000 metre @ Rs 1202.72 / metre						Rs 384870.40	
4	12.1.4.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 and backfilling with approved material. Hard Rock (blasting prohibited) - Mechanical Means							
	U/s banks	2	110.000	5.000	0.600		660.000	
	D/s banks	2	50.000	5.000	0.600		300.000	
	Total Quantity						960.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						960.000 cum	
	Say 960.000 cum @ Rs 587.42 / cum						Rs 563923.20	
5	od43859/2019_2020 DOWEL BARS - Supplying and Providing MS dowel bars of size 25 mm dia of 2.0m long (1m in rock and 1m in concrete) including drilling holes of 30mm dia and filling the gap with cement grout(0.50kg/each) etc complete							
	For protection wall u/s	2	5.000	110.000			1100.000	
	For protection walld/s	2	5.000	50.000			500.000	
	Total Quantity						1600.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1600.000 each	
	Say 1600.000 each @ Rs 674.18 / each						Rs 1078688.00	
6	12.8.2.C.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications RCC Grade M20 With Batching Plant, Transit Mixer and Concrete Pump							
	P C C Below Foundation	2	160.000	5.000	0.100		160.000	
	Total Quantity						160.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						160.000 cum	
	Say 160.000 cum @ Rs 7509.93 / cum						Rs 1201588.80	
7	12.8.E.1.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. RCC Grade M25 - Using Concrete Mixer							

	Ret wall foundation	2	160.000	5.000	0.800		1280.000	
	Total Quantity						1280.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1280.000 cum	
	Say 1280.000 cum @ Rs 8856.87 / cum						Rs 11336793.60	
8	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							
	Stem	2	160.000	0.400	5.000		640.000	
	Counter fort	2*38	0.300	$(3.6+1.4)/2$	5.000		285.000	
		2*17	0.300	$(3.6+1.4)/2$	5.000		127.500	
	Total Quantity						1052.500 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1052.500 cum	
	Say 1052.500 cum @ Rs 8560.45 / cum						Rs 9009873.63	
9	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							
	Stem	2	160.000	0.400	3.200		409.600	
	Counterfort U/s	2*38	0.300	$(1.4+0)/2$	3.200		51.072	
	D/s	2*17	0.300	$(1.4+0)/2$	3.200		22.849	
	Total Quantity						483.521 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						483.521 cum	
	Say 483.521 cum @ Rs 8840.60 / cum						Rs 4274615.75	
10	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	Vide item7	1	1280.000			0.11	140.800	
	Total Quantity						140.800 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						140.800 MT	
	Say 140.800 MT @ Rs 74208.34 / MT						Rs 10448534.27	

11	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
	Vide item 8	1	1052.500			0.11	115.775	
	Vide item 9	1	483.521			0.11	53.188	
	Total Quantity						168.963 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						168.963 MT	
	Say 168.963 MT @ Rs 74484.41 / MT						Rs 12585109.37	
12	od43868/2019_2020 Supply and fixing 110mm dia (10kgf/cm ²) PVC perforated horizontal pipe for drain out uplift water from vertical perforated pipe along the checkdam and pier portion including cost and conveyance, cutting charges and fixing charges as per the direction of departmental officers at site							
	Weep Holes	2*2*52	1.800				374.401	
	Total Quantity						374.401 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						374.401 metre	
	Say 374.401 metre @ Rs 280.50 / metre						Rs 105019.48	
13	13.10 Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.							
	near weep holes	2*2*52	0.600	0.600	0.600		44.928	
	Total Quantity						44.928 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						44.928 cum	
	Say 44.928 cum @ Rs 3117.99 / cum						Rs 140085.05	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 APP:C--CONSTRUCTION OF GENERATOR ROOM WITH GUARD ROOM								
1	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							
	Column footing	6	2.000	2.000	2.500		60.000	

	Foundation wall	2	3.000	0.600	0.750		2.700	
		3	2.200	0.600	0.750		2.970	
		2	1.000	0.600	0.750		0.900	
	Ramp foundation	1	4.000	2.100	0.300		2.520	
	Total Quantity						69.090 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						69.090 cum	
	Say 69.090 cum @ Rs 165.07 / cum						Rs 11404.69	
2	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)							
	Levelling course under footing	6	2.000	2.000	0.100		2.401	
	Total Quantity						2.401 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2.401 cum	
	Say 2.401 cum @ Rs 5869.06 / cum						Rs 14091.61	
3	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	6*4	1.800		0.300		12.960	
		6	4.200		0.960		24.192	
	column up to plinth level	6*4	0.300		1.950		14.040	
	ramp	2	4.000		(0.45+0)/2		1.800	
	ends	2	2.000		(0.45+0)/2		0.900	
	Total Quantity						53.892 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						53.892 sqm	
	Say 53.892 sqm @ Rs 254.19 / sqm						Rs 13698.81	
4	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)							
	Column footing	6	1.800	1.800	0.300		5.832	

		6	1.663	1.000	0.600		5.987		
	Ramp foundation	1	4.000	2.100	0.300		2.520		
		1	4.000	2.000	(.45+0)/2		1.800		
	Plinth beam	1	24.400	0.300	0.150		1.098		
	columns	6	0.300	0.300	1.950		1.053		
	columns	6	0.300	0.300	0.150		-0.081		
		Total Quantity					18.290 cum		
		Total Deducted Quantity					-0.081 cum		
		Net Total Quantity					18.209 cum		
		Say 18.209 cum @ Rs 8145.84 / cum					Rs 148327.60		
5	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts								
	Columns above PL	4*4	0.300		3.500		16.800		
		2*4	0.300		3.000		7.200		
	For columns	4*1	0.300		0.400		-0.480		
		Total Quantity					24.000 sqm		
		Total Deducted Quantity					-0.480 sqm		
		Net Total Quantity					23.520 sqm		
		Say 23.520 sqm @ Rs 613.16 / sqm					Rs 14421.52		
6	5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up tot floor five level excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3(1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)								
	column above PL	1	4.000	0.300	0.300	3.6	1.296		
		2	0.300	0.300	3.000		0.540		
		1	4.000	0.300	0.400		0.480		
	beam	1	0.300	0.300	0.400		-0.036		
		Total Quantity					2.316 cum		
		Total Deducted Quantity					-0.036 cum		
		Net Total Quantity					2.280 cum		
		Say 2.280 cum @ Rs 9365.29 / cum					Rs 21352.86		
7	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	2	4.400	0.600	0.750		3.960	
		2	2.700	0.600	0.750		2.430	
		3	3.400	0.600	0.750		4.590	
	Basement	2	4.400	0.450	0.450		1.783	
		2	4.400	0.450	0.450		1.783	
		3	3.400	0.450	0.450		2.066	
		1	2.900	0.450	0.450		0.588	
	Total Quantity						17.200 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						17.200 cum	
	Say 17.200 cum @ Rs 5197.64 / cum						Rs 89399.41	
8	50.6.7.2 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.							
	Walls	2	4.400	0.200	2.400		4.224	
		2	2.700	0.200	3.000		3.240	
		2	3.200	0.200	3.000		3.841	
		1	2.700	0.200	3.000		1.620	
	Deductions doors	-2	1.200	0.200	2.100		-1.008	
	Windows	-6	1.500	0.200	1.500		-2.700	
	Ventillator	-1	0.900	0.200	0.600		-0.108	
	Lintel	-2	7.100	0.200	0.150		-0.426	
		1	3.400	0.200	0.150		0.103	
	Total Quantity						8.786 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						8.786 cum	
	Say 8.786 cum @ Rs 6705.70 / cum						Rs 58916.28	
9	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
	lintels	2*2	7.100		0.150		4.260	
		1*2	3.400		0.150		1.020	

		1*2	3.400		0.150		1.020		
		2	24.400		0.150		7.320		
		3	4.000		0.150		1.800		
		Total Quantity					15.420 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					15.420 sqm		
		Say 15.420 sqm @ Rs 449.40 / sqm					Rs 6929.75		
10	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform								
	slab	1	3.500	4.600			16.100		
	sunshade	2	8.000	0.600			9.600		
		2	5.200	0.600			6.240		
		Total Quantity					31.940 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					31.940 sqm		
		Say 31.940 sqm @ Rs 553.47 / sqm					Rs 17677.83		
11	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 ⁰ landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).								
	Lintels	2	7.100	0.200	0.150		0.426		
		2	3.400	0.200	0.150		0.205		
		1	1.400	0.200	0.150		0.042		
	Sunshade	2	8.000	0.600	0.100		0.960		
		2	5.200	0.600	0.100		0.625		
	Roof slab	1	3.500	4.600	0.100		1.610		
		Total Quantity					3.868 cum		
		Total Deducted Quantity					0.000 cum		
		Net Total Quantity					3.868 cum		
		Say 3.868 cum @ Rs 9686.38 / cum					Rs 37466.92		
12	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								

	Vide item 4	1	18.290			85.0	1554.650		
	Vide item 6	1	2.280			110.0	250.800		
	Vide item 11	1	3.868			90.0	348.120		
	Total Quantity						2153.570 kilogram		
	Total Deducted Quantity						0.000 kilogram		
	Net Total Quantity						2153.570 kilogram		
	Say 2153.570 kilogram @ Rs 74.18 / kilogram						Rs 159751.82		
13	10.16.2 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes								
	Purlins 75mm tube @3.3kg/m	4	6.000			3.3	79.200		
	Rafter 60mm tubes	2*10	5.000			2.2	220.001		
	Reapers 40mm tube	2*5	6.000			1.75	105.000		
	Total Quantity						404.201 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						404.201 kg		
	Say 404.201 kg @ Rs 123.07 / kg						Rs 49745.02		
14	12.1.1 Providing corrugate G.S. sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal / vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 1.00 mm thick with zinc coating not less than 275 gm/m ²								
	For Generator room	1	6.200	5.200			32.241		
	Total Quantity						32.241 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						32.241 sqm		
	Say 32.241 sqm @ Rs 1255.49 / sqm						Rs 40478.25		
15	10.13.1 Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee- sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)								
	Doors	2	5.400		3.500		37.801		

	Windows	6	9.000		3.500		189.000	
	Ventillator	1	2.160		3.500		7.561	
	Total Quantity						234.362 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						234.362 kg	
	Say 234.362 kg @ Rs 97.05 / kg						Rs 22744.83	
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							
	Window 12kg/m2	6	1.500	1.500		12.0	162.000	
	Ventillator	1	0.900	0.600		12.0	6.480	
	Doors	2	1.200	2.100		18.0	90.720	
	Total Quantity						259.200 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						259.200 kg	
	Say 259.200 kg @ Rs 137.15 / kg						Rs 35549.28	
17	10.25.2 Item Shifted to head 14 as item 14.74Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works							
	Grills@15kg/m2	2	4.400		1.100	15.0	145.201	
		2	3.400		0.500	15.0	51.000	
	Total Quantity						196.201 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						196.201 kg	
	Say 196.201 kg @ Rs 112.65 / kg						Rs 22102.04	
18	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)							
	Inside walls	2	4.400		2.400		21.120	
		2	3.400		3.000		20.400	
		2	2.700		3.000		16.201	
	Toilet	2	(1.2+1.5)		3.000		16.201	
	Side walls	2	7.100		2.600		36.920	
		2	2.700		3.200		17.280	

		1	3.400		3.200		10.880		
	Beam	1	4.000		0.700		2.800		
	Column	6	0.300		3.500		6.301		
		4	0.300		3.000		3.600		
	Deduction Doors	-2*2	1.200		2.100		-10.080		
	windows	-6*2	1.500		1.500		-27.000		
	Ventillator	-1*2	0.900		0.600		-1.080		
		Total Quantity					113.543 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					113.543 sqm		
		Say 113.543 sqm @ Rs 226.67 / sqm					Rs 25736.79		
19	11.3.1 Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate)finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate								
	Generator room	1	4.600	3.600			16.560		
	Guard room	1	3.400	2.600			8.840		
		Total Quantity					25.400 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					25.400 sqm		
		Say 25.400 sqm @ Rs 475.22 / sqm					Rs 12070.59		
20	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 .								
	Doors	2	1.200		2.100	2.25	11.340		
	Windows	6	1.500		1.500	2.25	30.375		
	Ventillaors	1	0.900		0.600	2.25	1.215		
	Grills	2	4.400		1.100		9.681		
		2	3.400		0.500		3.400		
		Total Quantity					56.011 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					56.011 sqm		
		Say 56.011 sqm @ Rs 147.18 / sqm					Rs 8243.70		
21	13.44.1								

	Finishing walls with water proofing cement paint of required shade:New work (Two or more coats applied @ 3.84 kg/10 sqm)							
	Vide item 18	1	113.543				113.543	
	Total Quantity						113.543 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						113.543 sqm	
	Say 113.543 sqm @ Rs 77.06 / sqm						Rs 8749.62	
SI No	Description	No	L	B	D	CF	Quantity	Remark
4 Appendix D- Electrical								
1	90.14.1.2 Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices & complying to IS 8623. Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for the fabrication of panel assembly. The measurments will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc.Supply and fabrication of MV panel board using 1.6mm CRCA sheet, powder coated (excluding base frame)							
	90.14.1.2	6					6.000	
	Total Quantity						6.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						6.000 sqm	
	Say 6.000 sqm @ Rs 2377.26 / sqm						Rs 14263.56	
2	90.14.4 Supply and fabrication conveyance and installation of base frame of panel board using 75 x 40 mm rolled steel channel (ISMC)							
	90.14.4	3					3.000	
	Total Quantity						3.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						3.000 metre	
	Say 3.000 metre @ Rs 953.58 / metre						Rs 2860.74	
3	90.14.10.4 Supply, conveyance and fixing the following types & current rated control gears & switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as							

	required.16 A-100A, 25/35 kA (Ics=100%Icu), 4 pole, current limiting type MCCB having thermal setting range of 80 - 100% with thermal magnetic release having adjustable OL						
	90.14.10.4	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 7676.50 / no						Rs 7676.50
4	90.14.10.5 Supply, conveyance and fixing the following types & current rated control gears & switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as required.16A -100A, 35/36 kA (Ics=100%Icu), 3 pole, current limiting type MCCB with microprocessor based release with overload setting of 50 - 100% having adjustable OL & SC						
	90.14.10.5	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 10757.50 / no						Rs 10757.50
5	2.10.5 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 and neutral						
	2.10.5	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 1167.74 / each						Rs 7006.44
6	90.14.2.2 Supply and providing 3mm SMC sheet as shrouding for bus interconnection / terminations etc. including required nut & bolt etc.						
	90.14.2.2	0.36					0.360
	Total Quantity						0.360 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						0.360 sqm
	Say 0.360 sqm @ Rs 3932.69 / sqm						Rs 1415.77
7	90.14.3.3 Supply and providing heavy duty 'A' section neoprene gasket in the panel board Supply and providing 'U'						

	section PVC beeding in the panel board						
	90.14.3.3	12					12.000
	Total Quantity						12.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						12.000 metre
	Say 12.000 metre @ Rs 4.31 / metre						Rs 51.72
8	90.14.6 Supply and providing copper bus bars including finger type SMC bus bar supports in the bus chamber, suitable size nut & bolt, providing heat shrink sleeves etc. as required.						
	90.14.6	600					600.000
	Total Quantity						600.000 Cum cm
	Total Deducted Quantity						0.000 Cum cm
	Net Total Quantity						600.000 Cum cm
	Say 600.000 Cum cm @ Rs 6.00 / Cum cm						Rs 3600.00
9	90.14.7 Supply and providing copper earth bus in the panel board						
	90.14.7	100					100.000
	Total Quantity						100.000 Cum cm
	Total Deducted Quantity						0.000 Cum cm
	Net Total Quantity						100.000 Cum cm
	Say 100.000 Cum cm @ Rs 6.00 / Cum cm						Rs 600.00
10	od75077/2019_2020 Supply and installation of LED indicator (R,Y,B) in the existing panel board and giving connection						
	od75077/2019_2020	3					3.000
	Total Quantity						3.000 Day
	Total Deducted Quantity						0.000 Day
	Net Total Quantity						3.000 Day
	Say 3.000 Day @ Rs 410.09 / Day						Rs 1230.27
11	od75079/2019_2020 Supply and installation of digital multi function meter (V,A,F) in the existing panel board and giving connection						
	od75079/2019_2020	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each

	Say 1.000 each @ Rs 2401.04 / each						Rs 2401.04	
12	od75082/2019_2020 Supply and installation of 2A 'C' curve SP MCB in the existing panel board and giving connection.							
	od75082/2019_2020	3					3.000	
	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 450.77 / each						Rs 1352.31	
13	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 2759.17 / each						Rs 2759.17	
14	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 874.17 / each						Rs 874.17	
15	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	12					12.000	
	Total Quantity						12.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						12.000 each	
	Say 12.000 each @ Rs 226.73 / each						Rs 2720.76	

16	90.12.7.39 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 6 sq mm with factory made clamp							
	90.12.7.39	130					130.000	
		Total Quantity					130.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					130.000 metre	
		Say 130.000 metre @ Rs 202.32 / metre					Rs 26301.60	
17	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	10					10.000	
		Total Quantity					10.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					10.000 metre	
		Say 10.000 metre @ Rs 227.32 / metre					Rs 2273.20	
18	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	25					25.000	
		Total Quantity					25.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					25.000 metre	
		Say 25.000 metre @ Rs 363.45 / metre					Rs 9086.25	
19	9.1.7 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 X 10 sq. mm (22mm)							
	9.1.7	8					8.000	
		Total Quantity					8.000 set	
		Total Deducted Quantity					0.000 set	

	Net Total Quantity						3.000 set	
	Say 3.000 set @ Rs 4695.88 / set						Rs 14087.64	
24	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	30					30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 238.53 / metre						Rs 7155.90	
25	5.17 Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.							
	5.17	30					30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 114.02 / metre						Rs 3420.60	
26	od75117/2019_2020 Supply and fixing 63A TPN SF in sheet steel enclose on wall using suitable fastners.							
	od75117/2019_2020	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 4793.26 / each						Rs 4793.26	
27	od75148/2019_2020 Supply & installation of dust and vermin proof, 3 Phase Syntex Meter Board GS-MB-6535(size 760x450x260x) and to fix KSEB meters, fuse units, CT etc as required including fixing it on wall, making good the damages colour washing etc. as required. 							
	od75148/2019_2020	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 4809.65 / each						Rs 4809.65	
28	od75158/2019_2020 Supply and fixing 63A HRC fuse base with fuse link in the existing meter board.							

	od75158/2019_2020	3					3.000	
	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 401.56 / each						Rs 1204.68	
29	od75162/2019_2020 Supply and fixing 63 A, 415 V, 2 way neutral link mounted on DMC/ SMC base in the existing meter board.							
	od75162/2019_2020	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 401.56 / each						Rs 401.56	
30	od75168/2019_2020 Supply, conveyance, installation, testing and commissioning of 40KVA/32KW D.G. set incorporating "CUMINS" Model X3.TAA-G2 Diesel Engine developing 56BHP at 1500rpm, Water cooled, 4cylinders, Coupled, ALternator rated at 32kw/40KVA, 415V, 50Hz, 0.8 P, mounted on a chanel iron base frame complete with fuel tank, Battery, Manuel control panel and other standard accessories with suitable CPCB approved factory assembled Acoustic enclosure. 							
	od75168/2019_2020	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 495075.00 / each						Rs 495075.00	
31	od75170/2019_2020 Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required							
	od75170/2019_2020	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 181.19 / each						Rs 362.38	
32	od75175/2019_2020 Supply and providing following sizes of 'B' Class MS pipe with specials and flanged coupling in each full							

	length of pipe, as additional exhaust piping, fixing the same firmly to the building / structure using necessary supports, such angle iron, MS clamp etc., painting the pipe and accessories with synthetic enamel paint over a coat of zinc chromate primer etc. as required. 100 mm dia or nearest size 'B' Class MS pipe						
	od75175/2019_2020	6					6.000
	Total Quantity						6.000 per metre
	Total Deducted Quantity						0.000 per metre
	Net Total Quantity						6.000 per metre
	Say 6.000 per metre @ Rs 1169.66 / per metre						Rs 7017.96
33	od75177/2019_2020 Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required.(MR)						
	od75177/2019_2020	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 156.00 / each						Rs 312.00
34	od75188/2019_2020 Supply, installation, testing and commissioning of Solar LED lighting System with following accessories. (a) luminaire :- 1No 45W LED IP 65 street light luminaire with epoxy powder coated pressure die cast alu. housing with weather proof gasket and heat resistant toughened glass cover, 100ah lithium battery, 250W solar panel, battery box, charge controller with auto switch built in for dusk to dawn operation having protection against short circuit & lightning with mounting bracket suitable to fix on tubular pole						
	od75188/2019_2020	7					7.000
	Total Quantity						7.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						7.000 each
	Say 7.000 each @ Rs 54087.63 / each						Rs 378613.41
35	od75193/2019_2020 Supply and installation 7M long single arm galvanised octagonal pole with 22x200x12mm base plate, 4nos. 20mm dia 600mm foundation bolt, space for mounting control switch box with inspection type door at bottom, including fixing smart pack junction box with 6A SP MCB and stud terminal inside pole etc. complete (Bajaj BOP7030/equivalent)						
	od75193/2019_2020	7					7.000
	Total Quantity						7.000 each

							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 532.10 / each	Rs 532.10
40	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.						
	1.12	10					10.000	
							Total Quantity	10.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	10.000 metre
							Say 10.000 metre @ Rs 220.18 / metre	Rs 2201.80
41	90.3.19.3	Supply conveyance, installation, testing and commissioning the light fittings of following types made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1200 mm 1X20W LED Lamp with box type fixture						
	90.3.19.3	5					5.000	
							Total Quantity	5.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	5.000 each
							Say 5.000 each @ Rs 1174.12 / each	Rs 5870.60
SI No	Description	No	L	B	D	CF	Quantity	Remark
5 Appendix E - Mechanical Works. E1 -Fabrication, Supply, Erection and assembling of MS &&&& SS EMBEDDED PARTS								
1	85.101	Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges						
PLATES FOR SECONDARY EMBEDDED PARTS								
	Base plate - SILL BEAM end	2*4	0.160	0.120	0.008	7850.0	9.647	
	Rib - SILL BEAM	24*4	0.225	0.060	0.008	7850.0	81.389	
	End rib - SILL BEAM	2*4	0.237	0.180	0.008	7850.0	21.433	
	Alignment plate - SILL BEAM	26*4	0.300	0.100	0.010	7850.0	244.920	
	Fab ISMB flange - ROLLER TRACK	4*4	6.815	0.200	0.020	7850.0	3423.857	

	Fab ISMB WEB - ROLLER TRACK	2*4	6.815	0.200	0.020	7850.0	1711.929		
	Rib - ROLLER TRACK	28*4	0.200	0.090	0.010	7850.0	158.256		
	Guide	2*4	6.815	0.120	0.020	7850.0	1027.157		
	Alignment plate - GUIDE	28*4	0.150	0.100	0.010	7850.0	131.880		
	Alignment plate - SIDE SEAL	28*4	0.470	0.100	0.008	7850.0	330.580		
	Base plate for resting pad - SIDE SEAL	2*4	0.140	0.090	0.008	7850.0	6.331		
	Rib for resting pad - SIDE SEAL	2*4	0.229	0.145	0.008	7850.0	16.683		
PLATES FOR PRIMARY EMBEDDED PARTS									
	Plate type-1 - anchor rod fixing-SILL BEAM	26*4	0.300	0.100	0.010	7850.0	244.920		
	Plate type-4 - anchor rod fixing-SIDE SEAL	56*4	0.100	0.100	0.010	7850.0	175.841		
	Plate type-2 - anchor rod fixing-ROLLER TRACK	28*4	0.200	0.100	0.010	7850.0	175.841		
	Plate type-4 - anchor rod fixing-ROLLER TRACK	14*4	0.100	0.100	0.010	7850.0	43.961		
	Plate type-3 - anchor rod fixing-GUIDE	28*4	0.150	0.100	0.010	7850.0	131.880		
	Total Quantity						7936.505 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						7936.505 kg		
	Say 7936.505 kg @ Rs 64.18 / kg						Rs 509364.89		
2	85.102 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 35x35x6 - ROLLER TRACK	2*4	7.315			3.0	175.560		

	ISA for Anchor rod fixing plate 35x35x6 - ROLLER TRACK	2*4	7.315			3.0	175.560	
	ISA for Anchor rod fixing plate 35x35x6 - SIDE SEAL	4*4	7.315			3.0	351.120	
	ISA for Anchor rod fixing plate 35x35x6 - GUIDE	2*4	7.315			3.0	175.560	
	ISA for Anchor rod fixing plate 35x35x6 - SILL BEAM	1*4	12.900			3.0	154.800	
MS SECTIONS for SECONDARY EMBEDDED PARTS								
	Sill beam - ISMB 250x125	1*4	12.900			37.3	1924.680	
	Cleat ISA 80x80x8-SILL BEAM	2*4	0.150			9.6	11.520	
	A l i g n m e n t ISA75x75x6- ROLLER TRACK	14*4	0.080			6.8	30.465	
	Side seal track base ISA130x130x10 - SIDE SEAL	2*4	6.815			19.7	1074.044	
Total Quantity							4073.309 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							4073.309 kg	
Say 4073.309 kg @ Rs 66.13 / kg							Rs 269367.92	
3	85.107 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*4	0.310			1.58	101.879	
	Inclined support - - 16mm rod -SILL BEAM	28*4	0.750			1.58	132.720	
	Vertical support -- 16mm rod - SILL BEAM	13*4	0.500			1.58	41.080	

	J-type Anchor rod - 16mm rod - SIDE SEAL	56*4	0.310			1.58	109.716		
	J-type Anchor rod - 16mm rod - GUIDE	56*4	0.310			1.58	109.716		
	J-type Anchor rod - 16mm rod - ROLLER TRACK	70*4	0.310			1.58	137.144		
	MS rounds bars for SECONDARY EMBEDDED PARTS								
	Alignment rod -16mm rod - SILL BEAM	52*4	0.170			1.58	55.869		
	Alignment rod-1 - 16mm rod - ROLLER TRACK	56*4	0.160			1.58	56.628		
	Alignment rod-2 - 16mm rod - ROLLER TRACK	14*4	0.115			1.58	10.176		
	Alignment rod -16mm rod - GUIDE	56*4	0.110			1.58	38.932		
	Alignment rod-1 - 16mm rod - SIDE SEAL	28*4	0.125			1.58	22.120		
	Alignment rod-2 - 16mm rod - SIDE SEAL	28*4	0.315			1.58	55.743		
	Total Quantity						871.723 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						871.723 kg		
	Say 871.723 kg @ Rs 64.18 / kg						Rs 55947.18		
4	od81174/2019_2020 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*4				0.14	2.304		
	M16 - Nuts Washer (For Sill Beam Al ignment rod)	104*4				0.03	12.480		

	M16 - Nuts Washer (For Roller track Alignment rod-1)	112*4				0.03	13.440		
	M16 - Nuts Washer (For Roller track Alignment rod-2)	28*4				0.03	3.360		
	M16 - Nuts Washer (For Guide Alignment rod)	112*4				0.03	13.440		
	M16 - Nuts Washer (F o r S i d e S e a l Alignment rod-1)	56*4				0.03	6.720		
	M16 - Nuts Washer (F o r S i d e S e a l Alignment rod-2)	56*4				0.03	6.720		
	Total Quantity						58.464 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						58.464 kg		
	Say 58.464 kg @ Rs 77.77 / kg						Rs 4546.75		
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 depl officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied								
	MS ROUND BARS for PRIMARY EMBEDDED PARTS								
	J-type Anchor rod - 16mm rod - SILL BEAM	52*4	0.310			1.58	101.879		
	Inclined support - - 16mm rod -SILL BEAM	28*4	0.750			1.58	132.720		
	Vertical support -- 16mm rod - SILL BEAM	13*4	0.500			1.58	41.080		
	J-type Anchor rod - 16mm rod - SIDE SEAL	56*4	0.310			1.58	109.716		
	J-type Anchor rod - 16mm rod - GUIDE	56*4	0.310			1.58	109.716		

J-type Anchor rod - 16mm rod - ROLLER TRACK	70*4	0.310				1.58	137.144	
PLATES for SECONDARY EMBEDDED PARTS								
Base plate - SILL BEAM end	2*4	0.160	0.120	0.008		7850.0	9.647	
Rib - SILL BEAM	24*4	0.225	0.060	0.008		7850.0	81.389	
End rib - SILL BEAM	4*4	0.237	0.180	0.008		7850.0	42.865	
Alignment plate - SILL BEAM	26*4	0.300	0.100	0.010		7850.0	244.920	
Fab ISMB flange - ROLLER TRACK	4*4	6.815	0.200	0.020		7850.0	3423.857	
Fab ISMB WEB - ROLLER TRACK	2*4	6.815	0.200	0.020		7850.0	1711.929	
Rib - ROLLER TRACK	28*4	0.200	0.090	0.010		7850.0	158.256	
Guide	2*4	6.815	0.120	0.020		7850.0	1027.157	
Alignment plate - GUIDE	28*4	0.150	0.100	0.010		7850.0	131.880	
Alignment plate - SIDE SEAL	28*4	0.470	0.100	0.008		7850.0	330.580	
Base plate for resting pad - SIDE SEAL	2*4	0.140	0.090	0.008		7850.0	6.331	
Rib for resting pad - SIDE SEAL	2*4	0.229	0.145	0.008		7850.0	16.683	
MS ROUND BARS for SECONDARY EMBEDDED PARTS								
Alignment rod -16mm rod - SILL BEAM	52*4	0.170				1.58	55.869	
Alignment rod-1 - 16mm rod - ROLLER TRACK	56*4	0.160				1.58	56.628	
Alignment rod-2 - 16mm rod - ROLLER TRAC	14*4	0.115				1.58	10.176	
Alignment rod -16mm rod - GUIDE	56*4	0.110				1.58	38.932	
Alignment rod-1 - 16mm rod - SIDE SEAL	28*4	0.125				1.58	22.120	

Alignment rod-2 - 16mm rod - SIDE SEAL	28*4	0.315				1.58	55.743	
MS SECTIONS for SECONDARY EMBEDDED PARTS								
Sill beam - ISMB 250x125	1*4	12.900				37.3	1924.680	
Cleat ISA 80x80x8- SILL BEAM	2*4	0.150				9.6	11.520	
A l i g n m e n t ISA75x75x6- ROLLER TRACK	14*4	0.080				6.8	30.465	
Side seal track base ISA130x130x10 - SIDE SEAL	2*4	6.815				19.7	1074.044	
PLATES for PRIMARY EMBEDDED PARTS								
Plate type-1 - anchor rod fixing-SILL BEAM	26*4	0.300	0.100	0.010		7850.0	244.920	
Plate type-4 - anchor rod fixing-SIDE SEAL	56*4	0.100	0.100	0.010		7850.0	175.841	
Plate type-2 - anchor rod fixing-ROLLER TRACK	28*4	0.200	0.100	0.010		7850.0	175.841	
Plate type-4 - anchor rod fixing-ROLLER TRACK	14*4	0.100	0.100	0.010		7850.0	43.961	
Plate type-3 - anchor rod fixing-GUIDE	28*4	0.150	0.100	0.010		7850.0	131.880	
ISA for PRIMARY EMBEDDED PARTS								
ISA for Anchor rod fixing plate 35x35x6 - ROLLER TRACK	2*4	7.315				3.0	175.560	
ISA for Anchor rod fixing plate 35x35x6 - ROLLER TRACK	2*4	7.315				3.0	175.560	
ISA for Anchor rod fixing plate 35x35x6 - SIDE SEAL	4*4	7.315				3.0	351.120	

	ISA for Anchor rod fixing plate 35x35x6 - GUIDE	2*4	7.315			3.0	175.560	
	ISA for Anchor rod fixing plate 35x35x6 - SILL BEAM	1*4	12.900			3.0	154.800	
	Total Quantity						12902.969 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						12902.969 kg	
	Say 12902.969 kg @ Rs 75.59 / kg						Rs 975335.43	
6	od81187/2019_2020 Fabrication, Supply, erection and assembling in correct position and alignment by welding SS Embedded parts in 304L Grade like roller track, seal track, Seal seat etc as per approved specifications, drawings and directions of depl officer at site including cost of all materials, labour, machinery for planing, welding, shearing, grinding etc, lead and lift, conveyance, incidental and handling etc complete Rate analysis SS Embedded parts 2.6Qtl							
	SS MATERIALS for SECONDARY EMBEDDED PARTS							
	Cladding - SILL BEAM	1*4	12.800	0.140	0.008	7900.0	453.018	
	Cladding - ROLLER TRACK	2*4	6.715	0.150	0.012	7900.0	763.899	
	Cladding-SIDE SEAL TRACK Cladding-SIDE SEAL TRACK	2*4	6.715	0.080	0.008	7900.0	271.609	
	Resting pad for SIDE SEAL clamp bottom end	2*4	0.150	0.090	0.008	7900.0	6.826	
	Total Quantity						1495.352 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1495.352 kg	
	Say 1495.352 kg @ Rs 502.09 / kg						Rs 750801.29	
SI No	Description	No	L	B	D	CF	Quantity	Remark
6 E2 - Supply of materials, fabrication, painting and erection of MS REGULATING GATES.								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	MS PLATES for REGULATING GATE							
	Skin plate bottom side	1*4	12.700	1.850	0.012	7850.0	8852.917	
	Skin plate top side	1*4	12.700	2.800	0.012	7850.0	13399.008	

End girder bottom	4*4	1.850	0.510	0.012	7850.0	1422.044	
End girder top	4*4	2.800	0.510	0.012	7850.0	2152.282	
Stiffner connecting to end girder	30*4	0.510	0.150	0.010	7850.0	720.630	
Stiffner for latching	2*4	0.510	0.070	0.010	7850.0	22.420	
Roller shaft fixing plate	8*4	0.180	0.170	0.010	7850.0	76.868	
E c c e n t r i c i t y adjustment plate	8*4	0.150	0.150	0.020	7850.0	113.040	
Roller shaft fixing plate - outer	8*4	0.180	0.170	0.010	7850.0	76.868	
Shaft locking plate - outside	8*4	0.170	0.080	0.010	7850.0	34.164	
Horizontal girder web	4*4	12.330	1.200	0.010	7850.0	18583.776	
Horizontal girder flange	4*4	12.900	0.200	0.016	7850.0	5184.769	
Stiffner top & bottom of Horizontal girder	32*4	1.050	0.090	0.010	7850.0	949.536	
S p l i c e p l a t e f o r horizontal girder web	8*4	1.100	0.150	0.010	7850.0	414.481	
Full depth stiffner web - stage 1	3*4	1.200	1.070	0.010	7850.0	1209.528	
Full depth stiffner web-1 - stage 2	3*4	1.200	1.190	0.010	7850.0	1345.176	
Full depth stiffner web-2 - stage 2	2*4	1.200	1.180	0.010	7850.0	889.248	
Full depth stiffner web - stage 3	5*4	1.200	0.410	0.010	7850.0	772.440	
Full depth stiffner web - stage 4	5*4	1.200	0.510	0.010	7850.0	960.840	
Full depth stiffner web - stage 5	5*4	1.200	0.800	0.010	7850.0	1507.200	
Full depth stiffner web - stage 6	5*4	1.200	0.435	0.010	7850.0	819.541	
Vertical stiffner - stage 1	26*4	1.070	0.150	0.010	7850.0	1310.322	
Vertical stiffner - stage 2	26*4	1.190	0.150	0.010	7850.0	1457.274	

	Vertical stiffner - stage 3	26*4	0.410	0.150	0.010	7850.0	502.086	
	Vertical stiffner - stage 4	26*4	0.510	0.150	0.010	7850.0	624.546	
	Vertical stiffner - stage 5	26*4	0.800	0.150	0.010	7850.0	979.680	
	Vertical stiffner - stage 6	26*4	0.435	0.150	0.010	7850.0	532.701	
	Full depth stiffner flange - stage 2	5*4	1.000	0.160	0.010	7850.0	251.201	
	Full depth stiffner flange - stage 3	5*4	0.315	0.160	0.010	7850.0	79.128	
	Full depth stiffner flange - stage 4	5*4	0.415	0.160	0.010	7850.0	104.248	
	Full depth stiffner flange - stage 5	5*4	0.530	0.160	0.010	7850.0	133.136	
	Splice plate-full depth stiffner flange joint	5*4	0.500	0.160	0.010	7850.0	125.601	
	Splice plate-horizontal joint on skin plate	2*4	12.280	0.160	0.010	7850.0	1233.895	
	Splice plate-horizontal joint on end girder	4*4	0.490	0.160	0.010	7850.0	98.471	
	Splice plates-1-vertical joint on skin plate upstream side	1*4	2.720	0.160	0.010	7850.0	136.653	
	Splice plates-2-vertical joint on skin plate upstream side	1*4	1.770	0.160	0.010	7850.0	88.925	
	Splice plates-3-vertical joint on skin plate upstream side	1*4	1.070	0.160	0.010	7850.0	53.757	
	Splice plates-4-vertical joint on skin plate upstream side	1*4	1.190	0.160	0.010	7850.0	59.786	
	Splice plates-5-vertical joint on skin plate upstream side	1*4	0.410	0.160	0.010	7850.0	20.599	

Splice plates-6-vertical joint on skin plate upstream side	1*4	0.510	0.160	0.010	7850.0	25.623	
Splice plates-7-vertical joint on skin plate upstream side	1*4	0.800	0.160	0.010	7850.0	40.192	
Splice plates-8-vertical joint on skin plate upstream side	1*4	0.435	0.160	0.010	7850.0	21.855	
Splice plates 4nos horizontal girder flange joint	16*4	0.350	0.180	0.012	7850.0	379.815	
Side seal seat	2*4	4.566	0.105	0.020	7850.0	602.165	
Bottom seal clamp	1*4	11.760	0.080	0.010	7850.0	295.412	
Bottom seal guard	1*4	11.760	0.020	0.020	7850.0	147.706	
Shim-guide shoe base plate	4*4	0.200	0.200	0.004	7850.0	20.097	
Base plate-guide shoe	4*4	0.200	0.200	0.012	7850.0	60.289	
Frame-guide shoe	8*4	0.240	0.068	0.010	7850.0	40.996	
Guide shoe	4*4	0.116	0.042	0.030	7850.0	18.358	
Friction reducer block	4*4	0.150	0.050	0.040	7850.0	37.680	
Bottom block plate	4*4	1.360	0.670	0.012	7850.0	1373.361	
Connecting plate for Bottom block plate-1	4*4	0.350	0.110	0.010	7850.0	48.356	
Gap maintaining plate - 1	4*4	0.200	0.120	0.010	7850.0	30.145	
Gap maintaining plate - 2	4*4	0.110	0.100	0.010	7850.0	13.817	
Rope guard	4*4	0.840	0.110	0.00315	7850.0	36.558	
Gap maintaining plate - 3	2*4	0.250	0.110	0.010	7850.0	17.270	
Connecting plate for Bottom block plate-2	2*4	0.200	0.110	0.010	7850.0	13.817	
Pulley shaft fixing plate	8*4	0.180	0.180	0.010	7850.0	81.389	
Bottom block shaft fixing plate	4*4	0.180	0.180	0.020	7850.0	81.389	

	Lock plate	24*4	0.120	0.050	0.010	7850.0	45.216		
	Spacer for pulley	8*4	0.200	0.200	0.008	7850.0	80.385		
	Spacer for bottom block shaft	2*4	0.180	0.180	0.068	7850.0	138.361		
	Bracket for lifting arrangement	4*4	0.950	0.500	0.020	7850.0	1193.200		
	Strengthening plate for bottom of lifting arrangement bracket	2*4	1.200	0.550	0.010	7850.0	414.481		
	Stiffner for lifting arrangement-down stream side	4*4	0.950	0.722	0.010	7850.0	861.491		
	Stiffner for lifting arrangement-up stream side	4*4	1.070	0.298	0.010	7850.0	400.489		
	Middle stiffner lifting bracket	2*4	0.650	0.140	0.010	7850.0	57.149		
	Bearing plate - dogging beam	4*4	0.400	0.400	0.012	7850.0	241.153		
	Dogging beam flange	4*4	1.450	0.120	0.016	7850.0	349.671		
	Dogging beam web	4*4	1.450	0.200	0.016	7850.0	582.784		
	Inside stiffner - dogging beam	12*4	0.200	0.088	0.012	7850.0	79.581		
	End stiffner - dogging beam	4*4	0.220	0.100	0.016	7850.0	44.212		
	Total Quantity						75173.248 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						75173.248 kg		
	Say 75173.248 kg @ Rs 64.18 / kg						Rs 4824619.06		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B including cost of conveyance charges								
	MS SECTION for REGULATING GATE								
	Horizontal girder top of gate -ISMC 150x75	1*4	12.330			16.4	808.848		
	Bracing - 1 ISA 100 x 100 x 8	4*4	1.505			12.1	291.368		

	Bracing - 2 ISA 100x100x8	4*4	1.190			12.1	230.384		
	Bracing - 3 ISA 100x100x8	4*4	0.800			12.1	154.880		
	Side seal Clamp ISA75x75x8	2*4	4.650			8.9	331.081		
	Sliding protector - ISA75x75x8 dogging beam	8*4	0.232			8.9	66.074		
	Total Quantity						1882.635 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						1882.635 kg		
	Say 1882.635 kg @ Rs 66.13 / kg						Rs 124498.65		
3	85.107 Supply of MS round bar including cost of conveyance charges								
	MS ROUND for REGULATING GATE								
	J-type anchor rod - Dogging beam - dia16mm rod	16*4	0.350			1.58	35.392		
	Hook-Dogging beam dia16mm rod	4*4	0.305			1.58	7.711		
	Total Quantity						43.103 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						43.103 kg		
	Say 43.103 kg @ Rs 64.18 / kg						Rs 2766.35		
4	od81174/2019_2020 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*4				0.14	30.465		
	M16X40mm Length Bolt with Washer (GI)	32*4				0.12	15.360		
	M16X60mm Length Bolt with Nut and Washer (GI)	40*4				0.15	24.320		

	M16X60mm Length Bolt with Nut and with Washer (GI)	40*4				0.16	24.800	
	M16X70mm Length Bolt with Nut and with Washer (GI)	16*4				0.17	10.752	
	Total Quantity						105.697 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						105.697 kg	
	Say 105.697 kg @ Rs 77.77 / kg						Rs 8220.06	
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							
	Skin plate bottom side	1*4	12.700	1.850	0.012	7850.0	8852.917	
	Skin plate top side	1*4	12.700	2.800	0.012	7850.0	13399.008	
	End girder bottom	4*4	1.850	0.510	0.012	7850.0	1422.044	
	End girder top	4*4	2.800	0.510	0.012	7850.0	2152.282	
	Stiffner connecting to end girder	30*4	0.510	0.150	0.010	7850.0	720.630	
	Stiffner for latching	2*4	0.510	0.070	0.010	7850.0	22.420	
	Roller shaft fixing plate	8*4	0.180	0.170	0.010	7850.0	76.868	
	E c c e n t r i c i t y adjustment plate	8*4	0.150	0.150	0.020	7850.0	113.040	
	Roller shaft fixing plate - outer	8*4	0.180	0.170	0.010	7850.0	76.868	
	Shaft locking plate - outside	8*4	0.170	0.080	0.010	7850.0	34.164	
	Horizontal girder web	4*4	12.330	1.200	0.010	7850.0	18583.776	
	Horizontal girder flange	4*4	12.900	0.200	0.016	7850.0	5184.769	
	Stiffner top & bottom of Horizontal girder	32*4	1.050	0.090	0.010	7850.0	949.536	
	S p l i c e p l a t e f o r horizontal girder web	8*4	1.100	0.150	0.010	7850.0	414.481	

Full depth stiffner web - stage 1	3*4	1.200	1.070	0.010	7850.0	1209.528	
Full depth stiffner web-1 - stage 2	3*4	1.200	1.190	0.010	7850.0	1345.176	
Full depth stiffner web-2 - stage 2	2*4	1.200	1.180	0.010	7850.0	889.248	
Full depth stiffner web - stage 3	5*4	1.200	0.410	0.010	7850.0	772.440	
Full depth stiffner web - stage 4	5*4	1.200	0.510	0.010	7850.0	960.840	
Full depth stiffner web - stage 5	5*4	1.200	0.800	0.010	7850.0	1507.200	
Full depth stiffner web - stage 6	5*4	1.200	0.435	0.010	7850.0	819.541	
Vertical stiffner - stage 1	26*4	1.070	0.150	0.010	7850.0	1310.322	
Vertical stiffner - stage 2	26*4	1.190	0.150	0.010	7850.0	1457.274	
Vertical stiffner - stage 3	26*4	0.410	0.150	0.010	7850.0	502.086	
Vertical stiffner - stage 4	26*4	0.510	0.150	0.010	7850.0	624.546	
Vertical stiffner - stage 5	26*4	0.800	0.150	0.010	7850.0	979.680	
Vertical stiffner - stage 6	26*4	0.435	0.150	0.010	7850.0	532.701	
Full depth stiffner flange - stage 2	5*4	1.000	0.160	0.010	7850.0	251.201	
Full depth stiffner flange - stage 3	5*4	0.315	0.160	0.010	7850.0	79.128	
Full depth stiffner flange - stage 4	5*4	0.415	0.160	0.010	7850.0	104.248	
Full depth stiffner flange - stage 5	5*4	0.530	0.160	0.010	7850.0	133.136	
Splice plate-full depth stiffner flange joint	5*4	0.500	0.160	0.010	7850.0	125.601	
Splice plate-horizontal joint on skin plate	2*4	12.280	0.160	0.010	7850.0	1233.895	

Splice plate-horizontal joint on end girder	4*4	0.490	0.160	0.010	7850.0	98.471	
Splice plates-1-vertical joint on skin plate upstream side	1*4	2.720	0.160	0.010	7850.0	136.653	
Splice plates-2-vertical joint on skin plate upstream side	1*4	1.770	0.160	0.010	7850.0	88.925	
Splice plates-3-vertical joint on skin plate on downstream side	1*4	1.070	0.160	0.010	7850.0	53.757	
Splice plates-4-vertical joint on skin plate on downstream side	1*4	1.190	0.160	0.010	7850.0	59.786	
Splice plates-5-vertical joint on skin plate on downstream side	1*4	0.410	0.160	0.010	7850.0	20.599	
Splice plates-6-vertical joint on skin plate on downstream side	1*4	0.510	0.160	0.010	7850.0	25.623	
Splice plates-7-vertical joint on skin plate on downstream side	1*4	0.800	0.160	0.010	7850.0	40.192	
Splice plates-8-vertical joint on skin plate on downstream side	1*4	0.435	0.160	0.010	7850.0	21.855	
Splice plates 4nos horizontal girder flange joint	16*4	0.350	0.180	0.012	7850.0	379.815	
Side seal seat	2*4	4.566	0.105	0.020	7850.0	602.165	
Bottom seal clamp	1*4	11.760	0.080	0.010	7850.0	295.412	
Bottom seal guard	1*4	11.760	0.020	0.020	7850.0	147.706	
Shim-guide shoe base plate	4*4	0.200	0.200	0.004	7850.0	20.097	
Base plate-guide shoe	4*4	0.200	0.200	0.012	7850.0	60.289	
Frame-guide shoe	8*4	0.240	0.068	0.010	7850.0	40.996	
Guide shoe	4*4	0.116	0.042	0.030	7850.0	18.358	
Friction reducer block	4*4	0.150	0.050	0.040	7850.0	37.680	
Bottom block plate	4*4	1.360	0.670	0.012	7850.0	1373.361	

Connecting plate for Bottom block plate-1	4*4	0.350	0.110	0.010	7850.0	48.356	
Gap maintaining plate - 1	4*4	0.200	0.120	0.010	7850.0	30.145	
Gap maintaining plate - 2	4*4	0.110	0.100	0.010	7850.0	13.817	
Rope guard	4*4	0.840	0.110	0.00315	7850.0	36.558	
Gap maintaining plate - 3	2*4	0.250	0.110	0.010	7850.0	17.270	
Connecting plate for Bottom block plate-2	2*4	0.200	0.110	0.010	7850.0	13.817	
Pulley shaft fixing plate	8*4	0.180	0.180	0.010	7850.0	81.389	
Bottom block shaft fixing plate	4*4	0.180	0.180	0.020	7850.0	81.389	
Lock plate	24*4	0.120	0.050	0.010	7850.0	45.216	
Spacer for pulley	8*4	0.200	0.200	0.008	7850.0	80.385	
Spacer for bottom block shaft	2*4	0.180	0.180	0.068	7850.0	138.361	
Bracket for lifting arrangement	4*4	0.950	0.500	0.020	7850.0	1193.200	
Strengthening plate for bottom of lifting arrangement bracket	2*4	1.200	0.550	0.010	7850.0	414.481	
Stiffner for lifting arrangement-down stream side	4*4	0.950	0.722	0.010	7850.0	861.491	
Stiffner for lifting arrangement-up stream side	4*4	1.070	0.298	0.010	7850.0	400.489	
Middle stiffner lifting bracket	2*4	0.650	0.140	0.010	7850.0	57.149	
Bearing plate-dogging beam	4*4	0.400	0.400	0.012	7850.0	241.153	
Dogging beam flange	4*4	1.450	0.120	0.016	7850.0	349.671	
Dogging beam web	4*4	1.450	0.200	0.016	7850.0	582.784	
Inside stiffner-dogging beam	12*4	0.200	0.088	0.012	7850.0	79.581	

	End stiffner - dogging beam	4*4	0.220	0.100	0.016	7850.0	44.212	
MS ROUND for REGULATING GATE								
	J-type anchor rod - Dogging beam - dia16mm rod	32*4	0.350			1.58	70.784	
	Hook-Dogging beam dia16mm rod	4*4	0.305			1.58	7.711	
MS SECTION for REGULATING GATE								
	Horizontal girder top of gate -ISMC 150x75	1*4	12.330			16.4	808.848	
	Horizontal girder top of gate -ISMC 150x75	4*4	1.505			12.1	291.368	
	Bracing -2 ISA 100x100x8	4*4	1.190			12.1	230.384	
	Bracing -3 ISA 100x100x8	4*4	0.800			12.1	154.880	
	Side seal Clamp ISA75x75x8	2*4	4.650			8.9	331.081	
	Sliding protector - ISA75x75x8 dogging beam	8*4	0.232			8.9	66.074	
Total Quantity							77134.378 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							77134.378 kg	
Say 77134.378 kg @ Rs 62.86 / kg							Rs 4848667.00	
6	85.112 Painting all the exposed surfaces of the gate and embedded parts with two coats of epoxy coal tar black paint confirming to IS14948 with a minimum film thickness of 150+/-5 microns per each coat over two coats of priming coat applied with zinc primer containing not less than 85% of zinc dry film with a film thickness of 70+/-5 microns , so that the total film thickness of all coats including priming coat at any rate is not less than 350microns over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials , labour charges , cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site							
MS PLATES for REGULATING GATE								
	Skin plate bottom side	1*4	12.700	1.850		2.0	187.960	
	Skin plate top side	1*4	12.700	2.800		2.0	284.480	

End girder bottom side	4*4	1.850	0.510		2.0	30.193	
End girder top side	4*4	2.800	0.510		2.0	45.696	
Stiffner connecting to end girder	30*4	0.510	0.150		2.0	18.360	
Stiffner for latching	2*4	0.510	0.070		2.0	0.572	
Roller shaft fixing plate	8*4	0.180	0.170		2.0	1.959	
E c c e n t r i c i t y adjustment plate	8*4	0.150	0.150		2.0	1.440	
Roller shaft fixing plate - outer	8*4	0.180	0.170		2.0	1.959	
Shaft locking plate - outside	8*4	0.170	0.080		2.0	0.871	
Horizontal girder web	4*4	12.330	1.200		2.0	473.472	
Horizontal girder flange	4*4	12.900	0.200		2.0	82.560	
Stiffner top & bottom of Horizontal girder	32*4	1.050	0.090		2.0	24.192	
S p l i c e p l a t e f o r horizontal girder web	8*4	1.100	0.150		2.0	10.560	
Full depth stiffner web - stage 1	3*4	1.200	1.070		2.0	30.817	
Full depth stiffner web-1 - stage 2	3*4	1.200	1.190		2.0	34.272	
Full depth stiffner web-2 - stage 2	2*4	1.200	1.180		2.0	22.656	
Full depth stiffner web - stage 3	5*4	1.200	0.410		2.0	19.680	
Full depth stiffner web - stage 4	5*4	1.200	0.510		2.0	24.480	
Full depth stiffner web - stage 5	5*4	1.200	0.800		2.0	38.400	
Full depth stiffner web - stage 6	5*4	1.200	0.435		2.0	20.881	
Vertical stiffner - stage 1	26*4	1.070	0.150		2.0	33.384	

Vertical stiffner - stage 2	26*4	1.190	0.150		2.0	37.128	
Vertical stiffner - stage 3	26*4	0.410	0.150		2.0	12.792	
Vertical stiffner - stage 4	26*4	0.510	0.150		2.0	15.912	
Vertical stiffner - stage 5	26*4	0.800	0.150		2.0	24.960	
Vertical stiffner - stage 6	26*4	0.435	0.150		2.0	13.573	
Full depth stiffner flange - stage 2	5*4	1.000	0.160		2.0	6.400	
Full depth stiffner flange - stage 3	5*4	0.315	0.160		2.0	2.016	
Full depth stiffner flange - stage 4	5*4	0.415	0.160		2.0	2.656	
Full depth stiffner flange - stage 5	5*4	0.530	0.160		2.0	3.392	
Splice plate-full depth stiffner flange joint	5*4	0.500	0.160		2.0	3.200	
Splice plate-horizontal joint on skin plate	2*4	12.280	0.160		2.0	31.437	
Splice plate-horizontal joint on end girder	4*4	0.490	0.160		2.0	2.509	
Splice plates-1-vertical joint on skin plate upstream side	1*4	2.720	0.160		2.0	3.482	
Splice plates-2-vertical joint on skin plate upstream side	1*4	1.770	0.160		2.0	2.266	
Splice plates-3-vertical joint on skin plate on downstream side	1*4	1.070	0.160		2.0	1.370	
Splice plates-4-vertical joint on skin plate on downstream side	1*4	1.190	0.160		2.0	1.524	
Splice plates-5-vertical joint on skin plate on downstream side	1*4	0.410	0.160		2.0	0.525	

Splice plates-6-vertical joint on skin plate on downstream side	1*4	0.510	0.160		2.0	0.653	
Splice plates-7-vertical joint on skin plate on downstream side	1*4	0.800	0.160		2.0	1.024	
Splice plates-8-vertical joint on skin plate on downstream side	1*4	0.435	0.160		2.0	0.557	
Splice plates 4nos horizontal girder flange joint	16*4	0.350	0.180		2.0	8.064	
Side seal seat	2*4	4.566	0.105		2.0	7.671	
Bottom seal clamp	1*4	11.760	0.080		2.0	7.527	
Bottom seal guard	1*4	11.760	0.020		2.0	1.882	
Shim-guide shoe base plate	4*4	0.200	0.200		2.0	1.281	
Base plate-guide shoe	4*4	0.200	0.200		2.0	1.281	
Frame-guide shoe	8*4	0.240	0.068		2.0	1.045	
Guide shoe	4*4	0.116	0.042		2.0	0.156	
Friction reducer block	4*4	0.150	0.050		2.0	0.240	
Bottom block plate	4*4	1.360	0.670		2.0	29.159	
Connecting plate for Bottom block plate-1	4*4	0.350	0.110		2.0	1.232	
Gap maintaining plate - 1	4*4	0.200	0.120		2.0	0.768	
Gap maintaining plate - 2	4*4	0.110	0.100		2.0	0.353	
Rope guard	4*4	0.840	0.110		2.0	2.957	
Gap maintaining plate - 3	2*4	0.250	0.110		2.0	0.440	
Connecting plate for Bottom block plate-2	2*4	0.200	0.110		2.0	0.353	
Pulley shaft fixing plate	8*4	0.180	0.180		2.0	2.074	
Bottom block shaft fixing plate	4*4	0.180	0.180		2.0	1.037	

	Lock plate	24*4	0.120	0.050		2.0	1.153	
	Spacer for pulley	8*4	0.200	0.200		2.0	2.561	
	Spacer for bottom block shaft	2*4	0.180	0.180		2.0	0.519	
	Bracket for lifting arrangement	4*4	0.950	0.500		2.0	15.200	
	Strengthening plate for bottom of lifting arrangement bracket	2*4	1.200	0.550		2.0	10.560	
	Stiffner for lifting arrangement-down stream side	4*4	0.950	0.722		2.0	21.949	
	Stiffner for lifting arrangement-up stream side	4*4	1.070	0.298		2.0	10.204	
	Middle stiffner lifting bracket	2*4	0.650	0.140		2.0	1.457	
	Bearing plate - dogging beam	4*4	0.400	0.400		2.0	5.121	
	Dogging beam flange	4*4	1.450	0.120		2.0	5.568	
	Dogging beam web	4*4	1.450	0.200		2.0	9.280	
	Inside stiffner - dogging beam	12*4	0.200	0.088		2.0	1.690	
	End stiffner - dogging beam	4*4	0.220	0.100		2.0	0.705	
	MS SECTION for REGULATING GATE							
	Horizontal girder top of gate - ISMC 150x75	1*4	12.330			0.6	29.592	
	Bracing - 1 ISA 100x100x8	4*4	1.505			0.4	9.632	
	Bracing - 2 ISA 100x100x8	4*4	1.190			0.4	7.616	
	Bracing - 3 ISA 100x100x8	4*4	0.800			0.4	5.121	
	Side seal Clamp ISA75x75x8	2*4	4.650			0.3	11.160	

	Sliding protector - ISA75x75x8 dogging beam	8*4	0.232			0.3	2.228	
MS ROUND for REGULATING GATE								
	J-type anchor rod - Dogging beam - dia16mm rod	32*4	0.350			0.05	2.240	
	Hook-Dogging beam dia16mm rod	4*4	0.305			0.05	0.244	
Total Quantity							1777.540 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							1777.540 sqm	
Say 1777.540 sqm @ Rs 809.89 / sqm							Rs 1439611.87	
7	85.111 Erection of the gates safely in the grooves , assembling and aligning including cost of all machinery, labour all incidental and conveyance charges etc complete as per direction of departmental officer at site							
MS SECTION for REGULATING GATE								
	Horizontal girder top of gate -ISMC 150x75	1*4	12.330			16.4	808.848	
	Bracing -1 ISA 100x100x8	4*4	1.505			12.1	291.368	
	Bracing -2 ISA 100x100x8	4*4	1.190			12.1	230.384	
	Bracing -3 ISA 100x100x8	4*4	0.800			12.1	154.880	
	Side seal Clamp ISA75x75x8	2*4	4.650			8.9	331.081	
	Sliding protector - ISA75x75x8 dogging beam	8*4	0.232			8.9	66.074	
MS PLATES for REGULATING GATE								
	Skin plate bottom side	1*4	12.700	1.850	0.012	7850.0	8852.917	
	Skin plate top side	1*4	12.700	2.800	0.012	7850.0	13399.008	
	End girder bottom	4*4	1.850	0.510	0.012	7850.0	1422.044	
	End girder top	4*4	2.800	0.510	0.012	7850.0	2152.282	
	Stiffner connecting to end girder	30*4	0.510	0.150	0.010	7850.0	720.630	

	Stiffner for latching	2*4	0.510	0.070	0.010	7850.0	22.420	
	Roller shaft fixing plate	8*4	0.180	0.170	0.010	7850.0	76.868	
	Eccentricity adjustment plate	8*4	0.150	0.150	0.020	7850.0	113.040	
	Roller shaft fixing plate - outer	8*4	0.180	0.170	0.010	7850.0	76.868	
	Shaft locking plate - outside	8*4	0.170	0.080	0.010	7850.0	34.164	
	Horizontal girder web	4*4	12.330	1.200	0.010	7850.0	18583.776	
	Horizontal girder flange	4*4	12.900	0.200	0.016	7850.0	5184.769	
	Stiffner top & bottom of Horizontal girder	32*4	1.050	0.090	0.010	7850.0	949.536	
	Splice plate for horizontal girder web	8*4	1.100	0.150	0.010	7850.0	414.481	
	Full depth stiffner web - stage 1	3*4	1.200	1.070	0.010	7850.0	1209.528	
	Full depth stiffner web-1 - stage 2	3*4	1.200	1.190	0.010	7850.0	1345.176	
	Full depth stiffner web-2 - stage 2	2*4	1.200	1.180	0.010	7850.0	889.248	
	Full depth stiffner web - stage 3	5*4	1.200	0.410	0.010	7850.0	772.440	
	Full depth stiffner web - stage 4	5*4	1.200	0.510	0.010	7850.0	960.840	
	Full depth stiffner web - stage 5	5*4	1.200	0.800	0.010	7850.0	1507.200	
	Full depth stiffner web - stage 6	5*4	1.200	0.435	0.010	7850.0	819.541	
	Vertical stiffner - stage 1	26*4	1.070	0.150	0.010	7850.0	1310.322	
	Vertical stiffner - stage 2	26*4	1.190	0.150	0.010	7850.0	1457.274	
	Vertical stiffner - stage 3	26*4	0.410	0.150	0.010	7850.0	502.086	
	Vertical stiffner - stage 4	26*4	0.510	0.150	0.010	7850.0	624.546	

	Vertical stiffner - stage 5	26*4	0.800	0.150	0.010	7850.0	979.680	
	Vertical stiffner - stage 6	26*4	0.435	0.150	0.010	7850.0	532.701	
	Full depth stiffner flange - stage 2	5*4	1.000	0.160	0.010	7850.0	251.201	
	Full depth stiffner flange - stage 3	5*4	0.315	0.160	0.010	7850.0	79.128	
	Full depth stiffner flange - stage 4	5*4	0.415	0.160	0.010	7850.0	104.248	
	Full depth stiffner flange - stage 5	5*4	0.530	0.160	0.010	7850.0	133.136	
	Splice plate-full depth stiffner flange joint	5*4	0.500	0.160	0.010	7850.0	125.601	
	Splice plate-horizontal joint on skin plate	2*4	12.280	0.160	0.010	7850.0	1233.895	
	Splice plate-horizontal joint on end girder	4*4	0.490	0.160	0.010	7850.0	98.471	
	Splice plates-1-vertical joint on skin plate upstream side	1*4	2.720	0.160	0.010	7850.0	136.653	
	Splice plates-2-vertical joint on skin plate upstream side	1*4	1.770	0.160	0.010	7850.0	88.925	
	Splice plates-3-vertical joint on skin plate on downstream side	1*4	1.070	0.160	0.010	7850.0	53.757	
	Splice plates-4-vertical joint on skin plate on downstream side	1*4	1.190	0.160	0.010	7850.0	59.786	
	Splice plates-5-vertical joint on skin plate on downstream side	1*4	0.410	0.160	0.010	7850.0	20.599	
	Splice plates-6-vertical joint on skin plate on downstream side	1*4	0.510	0.160	0.010	7850.0	25.623	
	Splice plates-7-vertical joint on skin plate on downstream side	1*4	0.800	0.160	0.010	7850.0	40.192	

Splice plates-8-vertical joint on skin plate on downstream side	1*4	0.435	0.160	0.010	7850.0	21.855	
Splice plates 4nos horizontal girder flange joint	16*4	0.350	0.180	0.012	7850.0	379.815	
Side seal seat	2*4	4.566	0.105	0.020	7850.0	602.165	
Bottom seal clamp	1*4	11.760	0.080	0.010	7850.0	295.412	
Bottom seal guard	1*4	11.760	0.020	0.020	7850.0	147.706	
Shim-guide shoe base plate	4*4	0.200	0.200	0.004	7850.0	20.097	
Base plate-guide shoe	4*4	0.200	0.200	0.012	7850.0	60.289	
Frame-guide shoe	8*4	0.240	0.068	0.010	7850.0	40.996	
Guide shoe	4*4	0.116	0.042	0.030	7850.0	18.358	
Friction reducer block	4*4	0.150	0.050	0.040	7850.0	37.680	
Bottom block plate	4*4	1.360	0.670	0.012	7850.0	1373.361	
Connecting plate for Bottom block plate-1	4*4	0.350	0.110	0.010	7850.0	48.356	
Gap maintaining plate - 1	4*4	0.200	0.120	0.010	7850.0	30.145	
Gap maintaining plate - 2	4*4	0.110	0.100	0.010	7850.0	13.817	
Rope guard	4*4	0.840	0.110	0.00315	7850.0	36.558	
Gap maintaining plate - 3	2*4	0.250	0.110	0.010	7850.0	17.270	
Connecting plate for Bottom block plate-2	2*4	0.200	0.110	0.010	7850.0	13.817	
Pulley shaft fixing plate	8*4	0.180	0.180	0.010	7850.0	81.389	
Bottom block shaft fixing plate	4*4	0.180	0.180	0.020	7850.0	81.389	
Lock plate	24*4	0.120	0.050	0.010	7850.0	45.216	
Spacer for pulley	8*4	0.200	0.200	0.008	7850.0	80.385	
Spacer for bottom block shaft	2*4	0.180	0.180	0.068	7850.0	138.361	
Bracket for lifting arrangement	4*4	0.950	0.500	0.020	7850.0	1193.200	

	Strengthening plate for bottom of lifting arrangement bracket	2*4	1.200	0.550	0.010	7850.0	414.481	
	Stiffner for lifting arrangement-down stream side	4*4	0.950	0.722	0.010	7850.0	861.491	
	Stiffner for lifting arrangement-up stream side	4*4	1.070	0.298	0.010	7850.0	400.489	
	Middle stiffner lifting bracket	2*4	0.650	0.140	0.010	7850.0	57.149	
	Bearing plate - dogging beam	4*4	0.400	0.400	0.012	7850.0	241.153	
	Dogging beam flange	4*4	1.450	0.120	0.016	7850.0	349.671	
	Dogging beam web	4*4	1.450	0.200	0.016	7850.0	582.784	
	Inside stiffner - dogging beam	12*4	0.200	0.088	0.012	7850.0	79.581	
	End stiffner - dogging beam	4*4	0.220	0.100	0.016	7850.0	44.212	
MS ROUND for REGULATING GATE								
	J-type anchor rod - Dogging beam - dia16mm rod	16*4	0.350			1.58	35.392	
	Hook-Dogging beam dia16mm rod	4*4	0.305			1.58	7.711	
Total Quantity							77098.986 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							77098.986 kg	
Say 77098.986 kg @ Rs 6.09 / kg							Rs 469532.82	
8	od81388/2019_2020 Supply and stacking of dia 8mm SS-304 chain. including cost of materials, conveyance etc.complete dia 8mm SS-304 chain for Dogging beam							
	Chain	2*4	2.000				16.000	
Total Quantity							16.000 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							16.000 metre	
Say 16.000 metre @ Rs 764.27 / metre							Rs 12228.32	

SI No	Description	No	L	B	D	CF	Quantity	Remark
7 E3 -Supplying and fixing of RUBBER SEALS and RUBBER PAD for JOINT OF GATE								
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							
BOTTOM SEAL								
	Bottom seal 90x14	1*4	11.976				47.904	
RUBBER PAD for HORIZONTAL JOINT of GATE								
	Rubber pad 160x3 on skinplate	2*4	12.280				98.240	
	Rubber pad 160x3 on end girder	4*4	0.490				7.840	
Total Quantity							153.984 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							153.984 metre	
Say 153.984 metre @ Rs 1905.10 / metre							Rs 293354.92	
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*4	4.653				37.224	
Total Quantity							37.224 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							37.224 metre	
Say 37.224 metre @ Rs 2675.20 / metre							Rs 99581.64	
SI No	Description	No	L	B	D	CF	Quantity	Remark
8 E4 - Supplying and fixing of ROLLER ASSEMBLY								
1	od81433/2019_2020 SUPPLYING and FIXING CAST STEEL THRUST ROLLER ASSEMBLY for VERTICAL LIFT GATE having 300mm Dia, 100mm tread width, SS(304) shaft and 22218E 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 Rate analysis for Thrust roller -2							
ROLLER								

	Roller	8*4					32.000	
	Total Quantity						32.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						32.000 no	
	Say 32.000 no @ Rs 42567.73 / no						Rs 1362167.36	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
9 E5 -Supply of materials, fabrication, painting and erection of HOSTING BRIDGE, COVERS and FRAMES of DRIVING UNITS & ROPE DRUM								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	PLATES for ROPE DRUM COVER							
	Cover -1	2*4	2.460	0.500	0.00315	7850.0	243.319	
	Cover -2	4*4	1.530	0.720	0.00315	7850.0	435.838	
	Inspection window	2*4	0.310	0.210	0.00315	7850.0	12.879	
	PLATES for ROPE DRUM FRAME							
	Bracket for rope drum shaft	4*4	0.525	0.400	0.020	7850.0	527.521	
	lock plate for drum shaft	4*4	0.290	0.100	0.010	7850.0	36.424	
	Extension plate -1	2*4	1.620	0.060	0.010	7850.0	61.042	
	Extension plate -2	2*4	0.680	0.060	0.010	7850.0	25.623	
	Stiffner-1 Main frame	14*4	0.290	0.140	0.010	7850.0	178.478	
	Stiffner-2 Main frame	6*4	0.290	0.080	0.010	7850.0	43.709	
	Plate for plummer block base-1	8*4	0.080	0.080	0.010	7850.0	16.077	
	Plate for plummer block base-1	8*4	0.080	0.070	0.010	7850.0	14.068	
	Spacer for drum shaft	4*4	0.160	0.160	0.008	7850.0	25.723	
	Middle stiffner for Bracket	4*4	0.110	0.090	0.010	7850.0	12.435	
	Side stiffner for Bracket	8*4	0.160	0.090	0.010	7850.0	36.173	
	PLATES for DRIVE UNIT COVER							
	Side cover for -1	2*4	1.567	0.970	0.00315	7850.0	300.685	
	Side cover for -2	1*4	0.970	0.820	0.00315	7850.0	78.674	

	Side cover for -3	1*4	0.820	0.670	0.00315	7850.0	54.342	
	Strengthening plate on cover for manual operation shaft	1*4	0.150	0.150	0.005	7850.0	3.533	
	Top cover	1*4	1.735	0.820	0.00315	7850.0	140.720	
	Inspection window	1*4	0.300	0.300	0.00315	7850.0	8.902	
	PLATES for REDUCTION GEAR BOX FRAME							
	Reduction gear box seat	1*4	0.400	0.360	0.010	7850.0	45.216	
	Stiffner for Reduction gear box seat - outer	4*4	0.090	0.090	0.010	7850.0	10.174	
	Stiffner for Reduction gear box seat - inner	2*4	0.147	0.100	0.010	7850.0	9.232	
	PLATES for MOTOR FRAME							
	Motor seat	1*4	0.240	0.190	0.010	7850.0	14.319	
	Stiffner for Motor seat - outer	2*4	0.065	0.065	0.010	7850.0	2.654	
	Stiffner for Motor seat - inner	1*4	0.075	0.050	0.010	7850.0	1.178	
	PLATES for ELECTROMAGNETIC BRAKE FRAME							
	EM brake seat	1*4	0.360	0.140	0.010	7850.0	15.826	
	Stiffner for EM brake seat - outer	4*4	0.065	0.065	0.010	7850.0	5.307	
	PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT							
	Seat and base for Plummer block	8*4	0.300	0.150	0.012	7850.0	135.648	
	Side plate	4*4	0.356	0.300	0.012	7850.0	160.969	
	Stiffner for seat and base	4*4	0.356	0.128	0.012	7850.0	68.681	
	PLATES for DIAL & DIAL ASSEMBLY							
	Worm reducer seat	1*4	0.450	0.300	0.008	7850.0	33.912	
	Stiffner-1 for worm reducer seat	2*4	0.185	0.150	0.008	7850.0	13.942	
	Stiffner-2 for worm reducer seat	1*4	0.170	0.150	0.008	7850.0	6.406	
	Shim	1*4	0.165	0.050	0.002	7850.0	0.519	

	Plummer block seat	1*4	0.260	0.090	0.010	7850.0	7.348	
	Stiffner for bottom of plummer block	2*4	0.100	0.090	0.010	7850.0	5.652	
	Sheet	1*4	0.170	0.040	0.00315	7850.0	0.673	
	Connecting plate for column to girder	2*4	0.286	0.210	0.010	7850.0	37.718	
	PLATES for LADDER							
	Foundation plate - landing leg	4	0.300	0.200	0.012	7850.0	22.608	
	Foundation plate - ladder rail	2	0.400	0.200	0.012	7850.0	15.073	
	Stiffner for leg	4	0.150	0.100	0.008	7850.0	3.769	
	Top plate of landing leg	4	0.200	0.100	0.012	7850.0	7.537	
	Joint plate for top landing to hoisting girder	4	0.200	0.180	0.012	7850.0	13.565	
	Anchoring plate for wall support	2	0.400	0.400	0.012	7850.0	30.145	
	Top plate for diagonal support	2	0.400	0.100	0.012	7850.0	7.537	
	PLATES for HOISTING BRIDGE							
	Hoisting girder fab ISMB - flange	4*4	14.220	0.200	0.016	7850.0	5715.303	
	Hoisting girder fab ISMB - web	2*4	14.220	1.200	0.010	7850.0	10716.192	
	End ribs on hoisting girder	16*4	1.216	0.220	0.010	7850.0	1344.021	
	Bearing plate	4*4	0.450	0.450	0.020	7850.0	508.681	
	Temp plate	4*4	0.450	0.450	0.010	7850.0	254.341	
	Base plate	4*4	0.450	0.220	0.020	7850.0	248.688	
	Ribs -1 for Cross girder ISMC400x100 bott. of hoisting girder inner side	4*4	0.808	0.090	0.010	7850.0	91.337	

	Ribs -2 for Cross girder ISMC300x90 bott. of hoisting girder inner side	8*4	0.908	0.090	0.010	7850.0	205.281		
	Ribs -3 for Cross girder ISMC200x75 bott. of hoisting girder inner side	2*4	1.008	0.090	0.010	7850.0	56.973		
	Ribs -4 for Cross girder ISMC150x75 bott. of hoisting girder inner side	20*4	1.058	0.090	0.010	7850.0	597.982		
	Ribs on hoisting girder outer side	30*4	1.200	0.090	0.010	7850.0	1017.360		
	Bracket for hoisting pulley	4*4	1.591	0.550	0.016	7850.0	1758.501		
	Pulley shaft fixing plate	8*4	0.200	0.200	0.010	7850.0	100.481		
	Lock plate	16*4	0.120	0.050	0.010	7850.0	30.145		
	Spacer pulley	8*4	0.200	0.200	0.008	7850.0	80.385		
	Bolting plate hoisting girder web	2*4	0.150	0.150	0.010	7850.0	14.130		
	Anchoring plate for foundation rod	20*4	0.100	0.100	0.010	7850.0	62.801		
	Handrail fixing plate	14*4	0.250	0.180	0.010	7850.0	197.820		
	Splice plate on web for hoisting girder	8*4	1.200	0.600	0.010	7850.0	1808.640		
	Splice plate on flange for hoisting girder	4*4	0.500	0.180	0.012	7850.0	135.648		
	Strengthening plate on cross girder for reeving wire rope	2*4	0.280	0.250	0.012	7850.0	52.753		
	Total Quantity						27929.236 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						27929.236 kg		
	Say 27929.236 kg @ Rs 64.18 / kg						Rs 1792498.37		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								

MS SECTIONS for HOISTING BRIDGE								
Cross girder-1 ISMC 400x100	2*4	1.990				49.4	786.448	
Cross girder-2 ISMC 300x90	4*4	1.990				35.8	1139.872	
Cross girder-3 ISMC 200x75	4*4	0.920				22.1	325.312	
Cross girder-4 ISMC 200x75	2*4	0.929				22.1	164.248	
Cross girder-5 ISMC 150x75	8*4	1.990				16.4	1044.352	
Cross girder-6 ISMC 150x75	4*4	0.924				16.4	242.458	
Cleat-Cross girder bottom of hoisting girder inner side ISA100x100x8	34*4	0.150				12.1	246.840	
Cross girder - Extension platform iSMC 150x75	14*4	0.595				16.4	546.448	
Toe guard ISA 5 x 6 5 x 6	2*4	14.000				5.8	649.600	
Toe guard side ISA 65x65x6	1*4	2.200				5.8	51.040	
Hand rail post ISA 50x50x6	31*4	1.250				4.5	697.500	
Hand rail bottom 50x8mm flat	2*4	13.500	0.050	0.008		7850.0	339.120	
Hand rail bottom side 50x8mm flat	1	1.550	0.050	0.008		7850.0	4.868	
Hand rail fixing extension platform ISA 75x75x8	17*4	0.150				8.9	90.780	
Inclined support - extension platform ISA 75x75x8	14*4	0.720				8.9	358.848	
Cross girder bottom ISMC 150x75	5*4	1.990				16.4	652.720	
MS SECTIONS for LADDER								

Ladder rail bottom ISMC 200x75	2	3.610			22.1	159.562	
Bottom landing frame-1 ISMC 200x75	5	1.000			22.1	110.500	
Bottom landing frame-2 ISMC 200x75	2	3.000			22.1	132.601	
Leg for bottom landing ISMC 150x75	4	2.350			16.4	154.160	
Bracing - 1 ISA 75 x 75 x 8	2	2.000			8.9	35.600	
Bracing - 2 ISA 75 x 75 x 8	2	0.700			8.9	12.460	
Cleat ISA 75x75x8	8	0.180			8.9	12.816	
Ladder rail top ISMC 200x75	2	3.450			22.1	152.490	
Top landing frame-1 ISMC 200x75	2	1.500			22.1	66.301	
Top landing frame-2 ISMC 200x75	2	2.200			22.1	97.241	
Wall support ISMC 150x75	2	2.120			16.4	69.536	
Step frame-1 ISA 40x40x6	50	1.350			3.5	236.250	
Step frame-2 ISA 40x40x6	50	0.300			3.5	52.500	
Hand rail post-1 ISA 65x65x6	19	1.100			5.8	121.221	
Hand rail post-2 ISA 65x65x6	3	1.150			5.8	20.010	
Handrail bottom MS flat 50x8	1	23.600	0.050	0.008	7850.0	74.105	
Gate frame vertical ISA 40x40x6	2	0.390			3.5	2.730	
Gate frame horizontal ISA 40x40x6	2	1.060			3.5	7.420	
MS SECTIONS for DIAL & DIAL ASSEMBLY							
Column ISMC 100x50	2*4	0.950			9.2	69.920	

Dial holding ISA 50x50x6	2*4	0.050			4.5	1.800	
MS SECTIONS for ELECTROMAGNETIC BRAKE FRAME							
Support for EM brake seat ISA75x75x8	2*4	0.700			8.9	49.840	
MS SECTIONS for MOTOR FRAME							
Support for Motor seat ISA 75x75x8	2*4	0.700			8.9	49.840	
MS SECTIONS for REDUCTION GEAR BOX FRAME							
Support for reduction gear box seat IS A 100 x 100 x 8	2*4	0.700			12.1	67.760	
MS SECTIONS for DRIVE UNIT COVER							
Bottom frame-1 ISA 35x35x6	2*4	0.840			3.0	20.160	
Bottom frame-2 ISA 35x35x6	2*4	1.000			3.0	24.000	
Bottom frame-3 ISA 35x35x6	2*4	0.275			3.0	6.601	
Side frame-1 ISA 35x35x6	2*4	0.994			3.0	23.856	
Top frame outer-1 ISA 35x35x6	2*4	2.400			3.0	57.600	
Top frame outer-2 ISA 35x35x6	2*4	0.840			3.0	20.160	
Top frame inner ISA 35x35x6	3*4	0.770			3.0	27.720	
Side frame-2 ISA 35x35x6	2*4	0.700			3.0	16.800	
Inspection window hinge frame ISA 35x35x6	1*4	0.800			3.0	9.601	
MS SECTION for ROPE DRUM FRAME							
Main frame-1 ISMC 300x90	2*4	1.620			35.8	463.968	
Main frame-2 ISMC 300x90	2*4	0.920			35.8	263.488	

Main frame-3 ISMC 300x90	2*4	0.940				35.8	269.216	
Main frame-4 ISMC 300x90	2*4	0.670				35.8	191.888	
Main frame-5 ISMC 300x90	2*4	0.762				35.8	218.237	
Main frame-6 ISMC 300x90	2*4	0.250				35.8	71.600	
Plummer block base-1 ISA 90x90x10	4*4	0.300				13.4	64.320	
Plummer block base-2 ISA 90x90x10	4*4	0.280				13.4	60.033	
MS SECTIONS for ROPE DRUM COVER								
Top frame ISA 3 5 x 3 5 x 5	4*4	2.440				2.6	101.504	
Bottom frame-1 ISA 35x35x5	4*4	0.550				2.6	22.881	
Bottom frame-2 ISA 35x35x5	2*4	0.883				2.6	18.367	
Bottom frame-3 ISA 35x35x5	4*4	0.073				2.6	3.037	
Bottom frame-4 ISA 35x35x5	2*4	0.245				2.6	5.096	
Bottom frame-5 ISA 35x35x5	2*4	0.128				2.6	2.663	
Top frame inner ISA 35x35x5	14*4	0.480				2.6	69.888	
Round edge frame-1 5mm flat	4*4	1.060	0.050	0.005		7850.0	33.285	
Round edge frame-2 5mm flat	2*4	1.110	0.050	0.005		7850.0	17.428	
MS SECTIONS for DRIVE UNIT FRAME								
Main frame-1 ISMC 150x75	2*4	1.665				16.4	218.448	
Main frame-2 ISMC 150x75	2*4	0.700				16.4	91.840	
MS SECTIONS for MANUAL OPERATING MECHANISM								

	Sleeve bearing seat ISMC 150x75	1*4	0.700			16.4	45.920		
	Column ISA 75x75x8	4*4	0.900			8.9	128.160		
	Sprocket base top-1 ISA 75x75x8	2*4	0.400			8.9	28.481		
	Sprocket base top-2 ISA 75x75x8	2*4	0.500			8.9	35.600		
	Plummer block base bottom ISMC 150x75	1*4	0.250			16.4	16.400		
	Total Quantity						11745.363 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						11745.363 kg		
	Say 11745.363 kg @ Rs 66.13 / kg						Rs 776720.86		
3	85.107 Supply of MS round bar including cost of conveyance charges								
	MS ROUND BARS for LADDER								
	J type Anchor rod - 16mm MS rod	24	0.310			1.58	11.756		
	MS ROUND BARS for ROPE DRUM COVER								
	Lifting Hook-1-16mm MS rod	4*4	0.300			1.58	7.584		
	Lifting Hook-2-16mm MS rod	2*4	0.400			1.58	5.057		
	Lifting Hook-3-16mm MS rod	2*4	0.280			1.58	3.540		
	MS ROUND BARS for DRIVE UNIT								
	Lifting Hook-12mm MS rod	2*4	0.300			0.89	2.136		
	MS ROUND BARS for HOISTING BRIDGE								
	Foundation Rod- 25mm MS rod	20*4	0.750			3.85	231.000		
	Total Quantity						261.073 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						261.073 kg		
	Say 261.073 kg @ Rs 64.18 / kg						Rs 16755.67		
4	85.103								

Supply of MS chequered plates including cost of conveyance charges							
CHEQUERED PLATE for HOISTING BRIDGE							
Hoisting platform-1-6mm Chequered Sheet	2*4	3.150	1.900		49.2	2355.696	
Hoisting platform-2-6mm Chequered Sheet	4*4	1.600	0.850		49.2	1070.592	
Hoisting platform-3-6mm Chequered Sheet	2*4	0.850	0.630		49.2	210.773	
Hoisting platform-4-6mm Chequered Sheet	1*4	1.900	0.990		49.2	370.181	
Hoisting platform-5-6mm Chequered Sheet	1*4	1.900	0.760		49.2	284.180	
Hoisting extension platform - 6 mm Chequered Sheet	1*4	14.000	0.385		49.2	1060.753	
CHEQUERED PLATE for LADDER							
Landing Platform- Bottom - 6 mm Chequered Sheet	1	3.000	1.000		49.2	147.601	
Landing Platform-Top - 6mm Chequered Sheet	1	2.200	1.500		49.2	162.360	
Step-6mm Chequered Sheet	25	1.350	0.300		49.2	498.151	
Gate-6mm Chequered Sheet	1	1.390	1.060		49.2	72.492	
Total Quantity						6232.779 kg	
Total Deducted Quantity						0.000 kg	
Net Total Quantity						6232.779 kg	
Say 6232.779 kg @ Rs 73.33 / kg						Rs 457049.68	
5	od81439/2019_2020 Supply of G.I. pipes 32 mm dia						
HAND RAILS for LADDER							

	Hand rails (top)-32mm NB GI Pipe	1	23.600				23.600	
HAND RAILS for HOIST BRIDGE								
	Hand rails -32mm NB GI Pipe	2*4	15.050				120.400	
	Hand rails - (side)32mm NB GI Pipe	1	4.150				4.150	
Total Quantity							148.150 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							148.150 metre	
Say 148.150 metre @ Rs 220.73 / metre							Rs 32701.15	
6	od81440/2019_2020 Supply of MS Bolts and Nuts							
Bolt and nut for Hoist Bridge								
	M 1 6 X 3 5 l e n t h Hexagonal Bolt with nut and washer(Pulley Lock plate)	4*32				0.12	14.720	
	M 1 6 X 3 5 l e n t h Hexagonal Bolt with nut and washer(Hand rail fixing)	4*90				0.12	41.400	
	M 1 6 X 5 0 l e n t h Hexagonal Bolt with n u t a n d washer(Hoisting girder web joint)	4*4				0.14	2.176	
	M 1 0 X 6 0 l e n t h Hexagonal Bolt with nut and washer(For Motor and EM brake)	4*8				0.06	1.824	
	M24X160 length Hexagonal Bolt with nut and washer(For Reduction gear box)	4*4				0.77	12.320	

M 1 2 X 6 5 l e n g t h Hexagonal Bolt with nut and washer(For manual operation plummer block)	4*6				0.86	20.640	
M20X100 length Hexagonal Bolt with nut and washer(For drive unit main frame)	4*12				0.36	17.136	
M 2 5 N u t (F o r f o u n d a t i o n r o d)	32*3*4				0.13	48.000	
Bolt and Nut for Drive Unit cover							
M 1 2 X 6 0 l e n g t h Hexagonal Bolt with nut and washer(For cover)	4*20				0.08	6.561	
Bolt and Nut for Rope Drum Assy							
M 1 6 X 3 5 l e n g t h Hexagonal Screw with washer(For Rope drum shaft lock plate)	32*4				0.12	14.720	
M16X100 length Hexagonal Bolt with nut and washer(For plummer block for pinion gear)	16*4				0.22	13.760	
M20X100 length Hexagonal Bolt with nut and washer(For rope drum frame)	20*4				0.36	28.560	
Bolt and Nut for Rope drum Cover							
M 8 X 2 0 l e n g t h Hexagonal Screw (For Inspection window cover)	16*4				0.02	1.088	
M 1 2 X 4 0 l e n g t h Hexagonal Bolt with nut and washer (For rope drum cover frame)	32*4				0.06	8.192	
Bolt and Nut for Bottom Block							

	M16X35 Hexogonal Screw with washer (Lock plate)	48*4				0.12	22.081	
Bolt & Nut for Line shaft plummer block								
	M16x100mm length Hexogonal Bolt with nut and washer	4*8				0.22	6.880	
Total Quantity							260.058 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							260.058 kg	
Say 260.058 kg @ Rs 77.77 / kg							Rs 20224.71	
7	85.124 Fabrication and supply of Hoisting bridge unit in structural steel confirming to IS2062Gr including ladder, covers for hoisting unit etc as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, incidental and handling charges for fixing handrails and allied works etc complete but excluding material already supplied and weight of pipes for hand rails etc							
PLATES for LADDER								
	Foundation plate - landing leg	4	0.300	0.200	0.012	7850.0	22.608	
	Foundation plate - ladder rail	2	0.400	0.200	0.012	7850.0	15.073	
	Stiffner for leg	4	0.150	0.100	0.008	7850.0	3.769	
	Top plate of landing leg	4	0.200	0.100	0.012	7850.0	7.537	
	Joint plate for top landing to hoisting girder	4	0.200	0.180	0.012	7850.0	13.565	
	Anchoring plate for wall support	2	0.400	0.400	0.012	7850.0	30.145	
	Top plate for diagonal support	2	0.400	0.100	0.012	7850.0	7.537	
PLATES for DIAL & DIAL ASSEMBLY								
	Worm reducer seat	1*4	0.450	0.300	0.008	7850.0	33.912	
	Stiffner-1 for worm reducer seat	2*4	0.185	0.150	0.008	7850.0	13.942	
	Stiffner-2 for worm reducer seat	1*4	0.170	0.150	0.008	7850.0	6.406	
	Shim	1*4	0.165	0.050	0.002	7850.0	0.519	

	Plummer block seat	1*4	0.260	0.090	0.010	7850.0	7.348	
	Stiffner for bottom of plummer block	2*4	0.100	0.090	0.010	7850.0	5.652	
	Sheet	1*4	0.170	0.040	0.00315	7850.0	0.673	
	Connecting plate for column to girder	2*4	0.286	0.210	0.010	7850.0	37.718	
	PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT							
	Seat and base for Plummer block	8*4	0.300	0.150	0.012	7850.0	135.648	
	Side plate	4*4	0.356	0.300	0.012	7850.0	160.969	
	Stiffner for seat and base	4*4	0.356	0.128	0.012	7850.0	68.681	
	PLATES for HOISTING BRIDGE							
	Hoisting girder fab ISMB - flange	4*4	14.220	0.200	0.016	7850.0	5715.303	
	Hoisting girder fab ISMB - web	2*4	14.220	1.200	0.010	7850.0	10716.192	
	End ribs on hoisting girder	16*4	1.216	0.220	0.010	7850.0	1344.021	
	Bearing plate	4*4	0.450	0.450	0.020	7850.0	508.681	
	Temp plate	4*4	0.450	0.450	0.010	7850.0	254.341	
	Base plate	4*4	0.450	0.220	0.020	7850.0	248.688	
	Ribs -1 for Cross girder ISMC400x100 bott. of hoisting girder inner side	4*4	0.808	0.090	0.010	7850.0	91.337	
	Ribs -2 for Cross girder ISMC300x90 bott. of hoisting girder inner side	8*4	0.908	0.090	0.010	7850.0	205.281	
	Ribs -3 for Cross girder ISMC200x75 bott. of hoisting girder inner side	2*4	1.008	0.090	0.010	7850.0	56.973	
	Ribs -4 for Cross girder ISMC150x75 bott. of hoisting girder inner side	20*4	1.058	0.090	0.010	7850.0	597.982	

Ribs on hoisting girder outer side	30*4	1.200	0.090	0.010	7850.0	1017.360	
Bracket for hoisting pulley	4*4	1.591	0.550	0.016	7850.0	1758.501	
Pulley shaft fixing plate	8*4	0.200	0.200	0.010	7850.0	100.481	
Lock plate	16*4	0.120	0.050	0.010	7850.0	30.145	
Spacer pulley	8*4	0.200	0.200	0.008	7850.0	80.385	
Bolting plate hoisting girder web	2*4	0.150	0.150	0.010	7850.0	14.130	
Anchoring plate for foundation rod	24*4	0.100	0.100	0.010	7850.0	75.361	
Handrail fixing plate	14*4	0.250	0.180	0.010	7850.0	197.820	
Splice plate on web for hoisting girder	8*4	1.200	0.600	0.010	7850.0	1808.640	
Splice plate on flange for hoisting girder	4*4	0.500	0.180	0.012	7850.0	135.648	
Strengthening plate on cross girder for reeving wire rope	2*4	0.280	0.250	0.012	7850.0	52.753	
Other Engineering Organisations PLATES for ELECTROMAGNETIC BRAKE FRAME							
EM brake seat	1*4	0.350	0.140	0.010	7850.0	15.386	
Stiffner for EM brake seat - outer	4*4	0.065	0.065	0.010	7850.0	5.307	
PLATES for MOTOR FRAME							
Motor seat	1*4	0.240	0.190	0.010	7850.0	14.319	
Stiffner for Motor seat - outer	2*4	0.065	0.065	0.010	7850.0	2.654	
Stiffner for Motor seat - inner	1*4	0.075	0.050	0.010	7850.0	1.178	
PLATES for REDUCTION GEAR BOX FRAME							
Reduction gear box seat	1*4	0.400	0.360	0.010	7850.0	45.216	
Stiffner for Reduction gear box seat - outer	4*4	0.090	0.090	0.010	7850.0	10.174	
Stiffner for Reduction gear box seat - inner	2*4	0.147	0.100	0.010	7850.0	9.232	

PLATES for DRIVE UNIT COVER								
Side cover for -1	2*4	1.567	0.970	0.00315	7850.0	300.685		
Side cover for -2	1*4	0.970	0.820	0.00315	7850.0	78.674		
Side cover for -3	1*4	0.820	0.670	0.00315	7850.0	54.342		
Strengthening plate on cover for manual operation shaft	1*4	0.150	0.150	0.005	7850.0	3.533		
Top cover	1*4	1.735	0.820	0.00315	7850.0	140.720		
Inspection window	1*4	0.300	0.300	0.00315	7850.0	8.902		
PLATES for ROPE DRUM FRAME								
Bracket for rope drum shaft	4*4	0.525	0.400	0.020	7850.0	527.521		
lock plate for drum shaft	4*4	0.290	0.100	0.010	7850.0	36.424		
Extension plate -1	2*4	1.620	0.060	0.010	7850.0	61.042		
Extension plate -2	2*4	0.680	0.060	0.010	7850.0	25.623		
Stiffner-1 Main frame	14*4	0.290	0.140	0.010	7850.0	178.478		
Stiffner-2 Main frame	6*4	0.290	0.080	0.010	7850.0	43.709		
Plate for plummer block base-1	8*4	0.080	0.080	0.010	7850.0	16.077		
Plate for plummer block base-1	8*4	0.080	0.070	0.010	7850.0	14.068		
Spacer for drum shaft	4*4	0.160	0.160	0.008	7850.0	25.723		
Middle stiffner for Bracket	4*4	0.110	0.090	0.010	7850.0	12.435		
Side stiffner for Bracket	8*4	0.160	0.090	0.010	7850.0	36.173		
PLATES for ROPE DRUM COVER								
Cover -1	2*4	2.460	0.500	0.00315	7850.0	243.319		
Cover -2	4*4	1.530	0.720	0.00315	7850.0	435.838		
Inspection window	2*4	0.310	0.210	0.00315	7850.0	12.879		
CHEQUERED PLATE for LADDER								
Landing Platform- Bottom - 6 m m Chequered Sheet	1	3.000	1.000		49.2	147.601		

Landing Platform-Top - 6mm Chequered Sheet	1	2.200	1.500		49.2	162.360	
Step-6mm Chequered Sheet	25	1.350	0.300		49.2	498.151	
Gate-6mm Chequered Sheet	1	1.390	1.060		49.2	72.492	
CHEQUERED PLATE for HOISTING BRIDGE							
Hoisting platform-1- 6mm Chequered S h e e t	2*4	3.150	1.900		49.2	2355.696	
Hoisting platform-2- 6mm Chequered S h e e t	4*4	1.600	0.850		49.2	1070.592	
Hoisting platform-3- 6mm Chequered S h e e t	2*4	0.850	0.630		49.2	210.773	
Hoisting platform-4- 6mm Chequered S h e e t	1*4	1.900	0.990		49.2	370.181	
Hoisting platform-5- 6mm Chequered S h e e t	1*4	1.900	0.760		49.2	284.180	
Hoisting extension pl a t f o r m - 6 m m Chequered Sheet	1*4	14.000	0.385		49.2	1060.753	
MS ROUND BARS for HOISTING BRIDGE							
Foundation Rod- 25mm MS rod	24*4	0.750			3.85	277.200	
MS ROUND BARS for DRIVE UNIT							
Lifting Hook-12mm MS rod	2*4	0.300			0.89	2.136	
MS ROUND BARS for ROPE DRUM COVER							
Lifting Hook-1-16mm MS rod	4*4	0.300			1.58	7.584	
Lifting Hook-2-16mm MS rod	2*4	0.400			1.58	5.057	
Lifting Hook-3-16mm MS rod	2*4	0.280			1.58	3.540	

MS ROUND BARS for LADDER								
J type Anchor rod - 16mm MS rod	24	0.310			1.58	11.756		
MS SECTIONS for MANUAL OPERATING MECHANISM								
Sleeve bearing seat ISMC 150x75	1*4	0.700			16.4	45.920		
Column ISA 75x75x8	4*4	0.900			8.9	128.160		
Sprocket base top-1 ISA 75x75x8	2*4	0.400			8.9	28.481		
Sprocket base top-2 ISA 75x75x8	2*4	0.500			8.9	35.600		
Plummer block base bottom ISMC 150x75	1*4	0.250			16.4	16.400		
MS SECTIONS for DRIVE UNIT FRAME								
Main frame-1 ISMC 150x75	2*4	1.665			16.4	218.448		
Main frame-2 ISMC 150x75	2*4	0.700			16.4	91.840		
MS SECTIONS for ROPE DRUM COVER								
Top frame ISA 35x35x5	4*4	2.440			2.6	101.504		
Bottom frame-1 ISA 35x35x5	4*4	0.550			2.6	22.881		
Bottom frame-2 ISA 35x35x5	2*4	0.883			2.6	18.367		
Bottom frame-3 ISA 35x35x5	4*4	0.0730			2.6	3.037		
Bottom frame-4 ISA 35x35x5	2*4	0.245			2.6	5.096		
Bottom frame-5 ISA 35x35x5	2*4	0.128			2.6	2.663		
Top frame inner ISA 35x35x5	14*4	0.480			2.6	69.888		
Round edge frame-1 5mm flat	4*4	1.060	0.050	0.005	7850.0	33.285		
Round edge frame-2 5mm flat	2*4	1.110	0.050	0.005	7850.0	17.428		

MS SECTION for ROPE DRUM FRAME								
Main frame-1 ISMC 300x90	2*4	1.620				35.8	463.968	
Main frame-2 ISMC 300x90	2*4	0.920				35.8	263.488	
Main frame-3 ISMC 300x90	2*4	0.940				35.8	269.216	
Main frame-4 ISMC 300x90	2*4	0.670				35.8	191.888	
Main frame-5 ISMC 300x90	2*4	0.762				35.8	218.237	
Main frame-6 ISMC 300x90	2*4	0.250				35.8	71.600	
Plummer block base-1 ISA 90x90x10	4*4	0.300				13.4	64.320	
Plummer block base-2 ISA 90x90x10	4*4	0.280				13.4	60.033	
MS SECTIONS for DRIVE UNIT COVER								
Bottom frame-1 ISA 35x35x6	2*4	0.840				3.0	20.160	
Bottom frame-2 ISA 35x35x6	2*4	1.000				3.0	24.000	
Bottom frame-3 ISA 35x35x6	2*4	0.275				3.0	6.601	
Side frame-1 ISA 35x35x6	2*4	0.994				3.0	23.856	
Top frame outer-1 ISA 35x35x6	2*4	2.400				3.0	57.600	
Top frame outer-2 ISA 35x35x6	2*4	0.840				3.0	20.160	
Top frame inner ISA 35x35x6	3*4	0.770				3.0	27.720	
Side frame-2 ISA 35x35x6	2*4	0.700				3.0	16.800	
Inspection window hinge frame ISA 35x35x6	1*4	0.800				3.0	9.601	
MS SECTIONS for REDUCTION GEAR BOX FRAME								

Support for reduction gear box seat ISA 100x100x8	2*4	0.700			12.1	67.760	
MS SECTIONS for MOTOR FRAME							
Support for Motor seat ISA 75x75x8	2*4	0.700			8.9	49.840	
MS SECTIONS for ELECTROMAGNETIC BRAKE FRAME							
Support for EM brake seat ISA75x75x8	2*4	0.700			8.9	49.840	
MS SECTIONS for DIAL & DIAL ASSEMBLY							
Column ISMC 100x50	2*4	0.950			9.2	69.920	
Dial holding ISA 50x50x6	2*4	0.050			4.5	1.800	
MS SECTIONS for LADDER							
Ladder rail bottom ISMC 200x75	2	3.610			22.1	159.562	
Bottom landing frame-1 ISMC 200x75	5	1.000			22.1	110.500	
Bottom landing frame-2 ISMC 200x75	2	3.000			22.1	132.601	
Leg for bottom landing ISMC 150x75	4	2.350			16.4	154.160	
Bracing - 1 ISA 75 x 75 x 8	2	2.000			8.9	35.600	
Bracing - 2 ISA 75 x 75 x 8	2	0.700			8.9	12.460	
Cleat ISA 75x75x8	8	0.180			8.9	12.816	
Ladder rail top ISMC 200x75	2	3.450			22.1	152.490	
Top landing frame-1 ISMC 200x75	2	1.500			22.1	66.301	
Top landing frame-2 ISMC 200x75	2	2.200			22.1	97.241	
Wall support ISMC 150x75	2	2.120			16.4	69.536	
Step frame-1 ISA 40x40x6	50	1.350			3.5	236.250	

Step frame-2 ISA 40x40x6	50	0.300			3.5	52.500	
Hand rail post-1 ISA 65x65x6	19	1.100			5.8	121.221	
Hand rail post-2 ISA 65x65x6	3	1.150			5.8	20.010	
Handrail bottom MS flat 50x8	1	23.600	0.050	0.008	7850.0	74.105	
Gate frame vertical ISA 40x40x6	2	0.390			3.5	2.730	
Gate frame horizontal ISA 40x40x6	2	1.060			3.5	7.420	
MS SECTIONS for HOISTING BRIDGE							
Cross girder-1 ISMC 400x100	2*4	1.990			49.4	786.448	
Cross girder-2 ISMC 300x90	4*4	1.990			35.8	1139.872	
Cross girder-3 ISMC 200x75	4*4	0.920			22.1	325.312	
Cross girder-4 ISMC 200x75	2*4	0.929			22.1	164.248	
Cross girder-5 ISMC 150x75	8*4	1.990			16.4	1044.352	
Cross girder-6 ISMC 150x75	4*4	0.924			16.4	242.458	
Cleat-Cross girder bottom of hoisting girder inner side ISA100x100x8	34*4	0.150			12.1	246.840	
Cross girder - Extension platform iSMC 150x75	14*4	0.595			16.4	546.448	
Toe guard ISA 6 5 x 6 5 x 6	2*4	14.000			5.8	649.600	
Toe guard side ISA 65x65x6	1*4	2.200			5.8	51.040	
Hand rail post ISA 50x50x6	31*4	1.250			4.5	697.500	

	Hand rail bottom 50x8mm flat	2*4	13.500	0.050	0.008	7850.0	339.120		
	Hand rail bottom side 50x8mm flat	1	1.550	0.050	0.008	7850.0	4.868		
	Hand rail fixing extension platform ISA 75x75x8	17*4	0.150			8.9	90.780		
	Inclined support - extension platform ISA 75x75x8	14*4	0.720			8.9	358.848		
	Cross girder bottom ISMC 150x75	5*4	1.990			16.4	652.720		
	Total Quantity						46226.771 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						46226.771 kg		
	Say 46226.771 kg @ Rs 58.93 / kg						Rs 2724143.62		
8	od81443/2019_2020 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. Enamel Paint with Grit Blasting								
	PLATES for ROPE DRUM COVER								
	Cover -1	2*4	2.460	0.500		2.0	19.680		
	Cover -2	4*4	1.530	0.720		2.0	35.252		
	Inspection window	2*4	0.310	0.210		2.0	1.042		
	PLATES for ROPE DRUM FRAME								
	Bracket for rope drum shaft	4*4	0.525	0.400		2.0	6.721		
	lock plate for drum shaft	4*4	0.290	0.100		2.0	0.928		
	Extension plate -1	2*4	1.620	0.060		2.0	1.556		
	Extension plate -2	2*4	0.680	0.060		2.0	0.653		
	Stiffner-1 Main frame	14*4	0.290	0.140		2.0	4.548		
	Stiffner-2 Main frame	6*4	0.290	0.080		2.0	1.114		
	Plate for plummer block base-1	8*4	0.080	0.080		2.0	0.410		

	Plate for plummer block base-1	8*4	0.080	0.070		2.0	0.359	
	Spacer for drum shaft	4*4	0.160	0.160		2.0	0.820	
	Middle stiffner for Bracket	4*4	0.110	0.090		2.0	0.317	
	Side stiffner for Bracket	8*4	0.160	0.090		2.0	0.922	
	PLATES for DRIVE UNIT COVER							
	Side cover for -1	2*4	1.567	0.970		2.0	24.320	
	Side cover for -2	1*4	0.970	0.820		2.0	6.364	
	Side cover for -3	1*4	0.820	0.670		2.0	4.396	
	Strengthening plate on cover for manual operation shaft	1*4	0.150	0.150		2.0	0.180	
	Top cover	1*4	1.735	0.820		2.0	11.382	
	Inspection window	1*4	0.300	0.300		2.0	0.720	
	PLATES for MOTOR FRAME							
	Motor seat	1*4	0.240	0.190		2.0	0.365	
	Stiffner for Motor seat - outer	2*4	0.065	0.065		2.0	0.068	
	Stiffner for Motor seat - inner	1*4	0.075	0.050		2.0	0.030	
	PLATES for ELECTROMAGNETIC BRAKE FRAME							
	EM brake seat	1*4	0.360	0.140		2.0	0.404	
	Stiffner for EM brake seat - outer	4*4	0.065	0.065		2.0	0.136	
	PLATES for HOISTING BRIDGE							
	Hoisting girder fab ISMB - flange	4*4	14.220	0.200		2.0	91.009	
	Hoisting girder fab ISMB - web	2*4	14.220	1.200		2.0	273.024	
	End ribs on hoisting girder	16*4	1.216	0.220		2.0	34.243	
	Bearing plate	4*4	0.450	0.450		2.0	6.480	
	Temp plate	4*4	0.450	0.450		2.0	6.480	
	Base plate	4*4	0.450	0.220		2.0	3.168	

Ribs -1 for Cross girder ISMC400x100 bott. of hoisting girder inner side	4*4	0.808	0.090		2.0	2.328	
Ribs -2 for Cross girder ISMC300x90 bott. of hoisting girder inner side	8*4	0.908	0.090		2.0	5.231	
Ribs -3 for Cross girder ISMC200x75 bott. of hoisting girder inner side	2*4	1.008	0.090		2.0	1.452	
Ribs -4 for Cross girder ISMC150x75 bott. of hoisting girder inner side	20*4	1.058	0.090		2.0	15.236	
Ribs on hoisting girder outer side	30*4	1.200	0.090		2.0	25.920	
Bracket for hoisting pulley	4*4	1.591	0.550		2.0	28.002	
Pulley shaft fixing plate	8*4	0.200	0.200		2.0	2.561	
Lock plate	16*4	0.120	0.050		2.0	0.768	
Spacer pulley	8*4	0.200	0.200		2.0	2.561	
Bolting plate hoisting girder web	2*4	0.150	0.150		2.0	0.360	
Anchoring plate for foundation rod	24*4	0.100	0.100		2.0	1.921	
Handrail fixing plate	14*4	0.250	0.180		2.0	5.040	
Splice plate on web for hoisting girder	8*4	1.200	0.600		2.0	46.080	
Splice plate on flange for hoisting girder	4*4	0.500	0.180		2.0	2.880	
Strengthening plate on cross girder for reeving wire rope	2*4	0.280	0.250		2.0	1.120	
PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT							
Seat and base for Plummer block	8*4	0.300	0.150		2.0	2.880	

	Side plate	4*4	0.356	0.300		2.0	3.418	
	Stiffner for seat and base	4*4	0.356	0.128		2.0	1.459	
	PLATES for DIAL & DIAL ASSEMBLY							
	Worm reducer seat	1*4	0.450	0.300		2.0	1.080	
	Stiffner-1 for worm reducer seat	2*4	0.185	0.150		2.0	0.444	
	Stiffner-2 for worm reducer seat	1*4	0.170	0.150		2.0	0.205	
	Shim	1*4	0.165	0.050		2.0	0.066	
	Plummer block seat	1*4	0.260	0.090		2.0	0.188	
	Stiffner for bottom of plummer block	2*4	0.100	0.090		2.0	0.144	
	Sheet	1*4	0.170	0.040		2.0	0.055	
	Connecting plate for column to girder	2*4	0.286	0.210		2.0	0.961	
	CHEQUERED PLATE for HOISTING BRIDGE							
	Hoisting platform-1-6mm Chequered Sheet	2*4	3.150	1.900		2.0	95.760	
	Hoisting platform-2-6mm Chequered Sheet	4*4	1.600	0.850		2.0	43.520	
	Hoisting platform-3-6mm Chequered Sheet	2*4	0.850	0.630		2.0	8.568	
	Hoisting platform-4-6mm Chequered Sheet	1*4	1.900	0.990		2.0	15.048	
	Hoisting platform-5-6mm Chequered Sheet	1*4	1.900	0.760		2.0	11.552	
	Hoisting extension platform - 6 m m Chequered Sheet	1*4	14.000	0.385		2.0	43.121	
	CHEQUERED PLATE for LADDER							

Landing Platform- Bottom - 6mm Chequered Sheet	1	3.000	1.000		2.0	6.000	
Landing Platform-Top - 6mm Chequered Sheet	1	2.200	1.500		2.0	6.601	
Step-6mm Chequered Sheet	25	1.350	0.300		2.0	20.250	
Gate-6mm Chequered Sheet	1	1.390	1.060		2.0	2.947	
MS ROUND BARS for DRIVE UNIT							
Lifting Hook-12mm MS rod	2*4	0.300			0.04	0.089	
MS ROUND BARS for ROPE DRUM COVER							
MS ROUND BARS for ROPE DRUM COVER Lifting Hook-1-16mm MS rod	4*4	0.300			0.05	0.240	
Lifting Hook-2-16mm MS rod	2*4	0.400			0.05	0.161	
Lifting Hook-3-16mm MS rod	2*4	0.280			0.05	0.113	
MS ROUND BARS for LADDER							
J type Anchor rod - 16mm MS rod	24	0.310			0.05	0.372	
MS SECTIONS for MANUAL OPERATING MECHANISM							
Sleeve bearing seat ISMC 150x75	1*4	0.700			0.6	1.680	
Column ISA 75x75x8	4*4	0.900			0.3	4.320	
Sprocket base top-1 ISA 75x75x8	2*4	0.400			0.3	0.960	
Sprocket base top-2 ISA 75x75x8	2*4	0.500			0.3	1.200	
Plummer block base bottom ISMC 150x75	1*4	0.250			0.6	0.600	
MS SECTIONS for DRIVE UNIT FRAME							
Main frame-1 ISMC 150x75	2*4	1.665			0.6	7.992	

	Main frame-2 ISMC 150x75	2*4	0.700			0.6	3.360	
MS SECTIONS for ROPE DRUM COVER								
	Top frame 1 ISA 35 x 35 x 5	4*4	2.440			0.14	5.466	
	Bottom frame-1 ISA 35x35x5	4*4	0.550			0.14	1.233	
	Bottom frame-2 ISA 35x35x5	2*4	0.883			0.14	0.989	
	Bottom frame-3 ISA 35x35x5	4*4	0.073			0.14	0.164	
	Bottom frame-4 ISA 35x35x5	2*4	0.245			0.14	0.275	
	Bottom frame-5 ISA 35x35x5	2*4	0.128			0.14	0.144	
	Top frame inner ISA 35x35x5	14*4	0.480			0.14	3.764	
	Round edge frame-1 5mm flat	4*4	1.060	0.050		2.0	1.697	
	Round edge frame-2 5mm flat	2*4	1.110	0.050		2.0	0.889	
MS SECTION for ROPE DRUM FRAME								
	Main frame-1 ISMC 300x90	2*4	1.620			0.96	12.442	
	Main frame-2 ISMC 300x90	2*4	0.920			0.96	7.066	
	Main frame-3 ISMC 300x90	2*4	0.940			0.96	7.220	
	Main frame-4 ISMC 300x90	2*4	0.670			0.96	5.146	
	Main frame-5 ISMC 300x90	2*4	0.762			0.96	5.853	
	Main frame-6 ISMC 300x90	2*4	0.250			0.96	1.920	
	Plummer block base-1 ISA 90x90x10	4*4	0.300			0.36	1.728	
	Plummer block base-2 ISA 90x90x10	4*4	0.280			0.36	1.613	

MS SECTIONS for DRIVE UNIT COVER								
Bottom frame-1 ISA 35x35x6	2*4	0.840				0.14	0.941	
Bottom frame-2 ISA 35x35x6	2*4	1.000				0.14	1.120	
Bottom frame-3 ISA 35x35x6	2*4	0.275				0.14	0.309	
Side frame-1 ISA 35x35x6	2*4	0.994				0.14	1.114	
Top frame outer-1 ISA 35x35x6	2*4	2.400				0.14	2.688	
Top frame outer-2 ISA 35x35x6	2*4	0.840				0.14	0.941	
Top frame inner ISA 35x35x6	3*4	0.770				0.14	1.294	
Side frame-2 ISA 35x35x6	2*4	0.700				0.14	0.784	
Inspection window hinge frame ISA 35x35x6	1*4	0.800				0.14	0.449	
MS SECTIONS for REDUCTION GEAR BOX FRAME								
Support for reduction gear box seat ISA A 100 x 100 x 8	2*4	0.700				0.4	2.240	
MS SECTIONS for MOTOR FRAME								
Support for Motor seat ISA 75x75x8	2*4	0.700				0.3	1.680	
MS SECTIONS for ELECTROMAGNETIC BRAKE FRAME								
Support for EM brake seat ISA75x75x8	2*4	0.700				0.3	1.680	
MS SECTIONS for DIAL & DIAL ASSEMBLY								
Column ISMC 100x50	2*4	0.950				0.4	3.040	
Dial holding ISA 50x50x6	2*4	0.050				0.2	0.081	
MS SECTIONS for LADDER								
Ladder rail bottom ISMC 200x75	2	3.610				0.7	5.054	

Bottom landing frame-1 ISMC 200x75	5	1.000			0.7	3.500	
Bottom landing frame-2 ISMC 200x75	2	3.000			0.7	4.200	
Leg for bottom landing ISMC 150x75	4	2.350			0.6	5.640	
Bracing - 1 ISA 75 x 75 x 8	2	2.000			0.3	1.200	
Bracing - 2 ISA 75 x 75 x 8	2	0.700			0.3	0.420	
Cleat ISA 75x75x8	8	0.180			0.3	0.432	
Ladder rail top ISMC 200x75	2	3.450			0.7	4.830	
Top landing frame-1 ISMC 200x75	2	1.500			0.7	2.100	
Top landing frame-2 ISMC 200x75	2	2.200			0.7	3.080	
Wall support ISMC 150x75	2	2.120			0.6	2.544	
Step frame-1 ISA 40x40x6	50	1.350			0.16	10.800	
Step frame-2 ISA 40x40x6	50	0.300			0.16	2.400	
Hand rail post-1 ISA 65x65x6	19	1.100			0.26	5.435	
Hand rail post-2 ISA 65x65x6	3	1.150			0.26	0.897	
Handrail bottom MS flat 50x8	1	23.600	0.050		2.0	2.361	
Gate frame vertical ISA 40x40x6	2	0.390			0.16	0.125	
Gate frame horizontal ISA 40x40x6	2	1.060			0.16	0.340	
MS SECTIONS for HOISTING BRIDGE							
Cross girder-1 ISMC 400x100	2*4	1.990			1.2	19.104	
Cross girder-2 ISMC 300x90	4*4	1.990			0.96	30.567	

Cross girder-3 ISMC 200x75	4*4	0.920			0.7	10.304	
Cross girder-4 ISMC 200x75	2*4	0.929			0.7	5.203	
Cross girder-5 ISMC 150x75	8*4	1.990			0.6	38.208	
Cross girder-6 ISMC 150x75	4*4	0.924			0.6	8.871	
Cleat-Cross girder bottom of hoisting girder inner side ISA100x100x8	34*4	0.924			0.4	50.266	
Cross girder - Extension platform ISMC 150x75	14*4	0.595			0.6	19.992	
Toe guard ISA 6 5 x 6 5 x 6	2*4	14.000			0.26	29.120	
Toe guard side ISA 65x65x6	1*4	2.200			0.26	2.289	
Hand rail post ISA 50x50x6	31*4	1.250			0.2	31.000	
Hand rail bottom 50x8mm flat	2*4	13.500	0.050		2.0	10.800	
Hand rail bottom side 50x8mm flat	1*4	1.550	0.050		2.0	0.621	
Hand rail fixing extension platform ISA 75x75x8	17*4	0.150			0.3	3.060	
Inclined support - extension platform ISA 75x75x8	14*4	0.720			0.3	12.096	
Cross girder bottom ISMC 150x75	5*4	1.990			0.6	23.880	
PLATES for LADDER							
Foundation plate - landing leg	4	0.300	0.200		2.0	0.480	
Foundation plate - ladder rail	2	0.400	0.200		2.0	0.321	
Stiffner for leg	4	0.150	0.100		2.0	0.120	

	Top plate of landing leg	4	0.200	0.100		2.0	0.161		
	Joint plate for top landing to hoisting girder	4	0.200	0.180		2.0	0.288		
	Anchoring plate for wall support	2	0.400	0.400		2.0	0.641		
	Top plate for diagonal support	2	0.400	0.100		2.0	0.161		
	PLATES for REDUCTION GEAR BOX FRAME								
	Reduction gear box seat	1*4	0.400	0.360		2.0	1.152		
	Stiffner for Reduction gear box seat - outer	4*4	0.090	0.090		2.0	0.260		
	Stiffner for Reduction gear box seat - outer	2*4	0.147	0.100		2.0	0.236		
	Total Quantity						1394.434 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						1394.434 sqm		
	Say 1394.434 sqm @ Rs 556.86 / sqm						Rs 776504.52		
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								
	PLATES for LADDER								
	Foundation plate - landing leg	4	0.300	0.200	0.012	7850.0	22.608		
	Foundation plate - ladder rail	2	0.400	0.200	0.012	7850.0	15.073		
	Stiffner for leg	4	0.150	0.100	0.008	7850.0	3.769		
	Top plate of landing leg	4	0.200	0.100	0.012	7850.0	7.537		
	Joint plate for top landing to hoisting girder	4	0.200	0.180	0.012	7850.0	13.565		
	Anchoring plate for wall support	2	0.400	0.400	0.012	7850.0	30.145		

	Top plate for diagonal support	2	0.400	0.100	0.012	7850.0	7.537	
PLATES for DIAL & DIAL ASSEMBLY								
	Worm reducer seat	1*4	0.450	0.300	0.008	7850.0	33.912	
	Stiffner-1 for worm reducer seat	2*4	0.185	0.150	0.008	7850.0	13.942	
	Stiffner-2 for worm reducer seat	1*4	0.170	0.150	0.008	7850.0	6.406	
	Shim	1*4	0.165	0.050	0.002	7850.0	0.519	
	Plummer block seat	1*4	0.260	0.090	0.010	7850.0	7.348	
	Stiffner for bottom of plummer block	2*4	0.100	0.090	0.010	7850.0	5.652	
	Sheet	1*4	0.170	0.040	0.00315	7850.0	0.673	
	Connecting plate for column to girder	2*4	0.286	0.210	0.010	7850.0	37.718	
PLATES for PLUMMER BLOCK SUPPORT LINE SHAFT								
	Seat and base for Plummer block	8*4	0.300	0.150	0.012	7850.0	135.648	
	Side plate	4*4	0.356	0.300	0.012	7850.0	160.969	
	Stiffner for seat and base	4*4	0.356	0.128	0.012	7850.0	68.681	
PLATES for HOISTING BRIDGE								
	Hoisting girder fab ISMB - flange	4*4	14.220	0.200	0.016	7850.0	5715.303	
	Hoisting girder fab ISMB - web	2*4	14.220	1.200	0.010	7850.0	10716.192	
	End ribs on hoisting girder	16*4	1.216	0.220	0.010	7850.0	1344.021	
	Bearing plate	4*4	0.450	0.450	0.020	7850.0	508.681	
	Temp plate	4*4	0.450	0.450	0.010	7850.0	254.341	
	Base plate	4*4	0.450	0.220	0.020	7850.0	248.688	
	Ribs -1 for Cross girder ISMC400x100 bott. of hoisting girder inner side	4*4	0.808	0.090	0.010	7850.0	91.337	

Ribs -2 for Cross girder ISMC300x90 bott. of hoisting girder inner side	8*4	0.908	0.090	0.010	7850.0	205.281	
Ribs -3 for Cross girder ISMC200x75 bott. of hoisting girder inner side	2*4	1.008	0.090	0.010	7850.0	56.973	
Ribs -4 for Cross girder ISMC150x75 bott. of hoisting girder inner side	20*4	1.058	0.090	0.010	7850.0	597.982	
Ribs on hoisting girder outer side	30*4	1.200	0.090	0.010	7850.0	1017.360	
Bracket for hoisting pulley	4*4	1.591	0.550	0.016	7850.0	1758.501	
Pulley shaft fixing plate	8*4	0.200	0.200	0.010	7850.0	100.481	
Lock plate	16*4	0.120	0.050	0.010	7850.0	30.145	
Spacer pulley	8*4	0.200	0.200	0.008	7850.0	80.385	
Bolting plate hoisting girder web	2*4	0.150	0.150	0.010	7850.0	14.130	
Anchoring plate for foundation rod	24*4	0.100	0.100	0.010	7850.0	75.361	
Handrail fixing plate	14*4	0.250	0.180	0.010	7850.0	197.820	
Splice plate on web for hoisting girder	8*4	1.200	0.600	0.010	7850.0	1808.640	
Splice plate on flange for hoisting girder	4*4	0.500	0.180	0.012	7850.0	135.648	
Strengthening plate on cross girder for reeving wire rope	2*4	0.280	0.250	0.012	7850.0	52.753	
PLATES for ELECTROMAGNETIC BRAKE FRAME							
EM brake seat	1*4	0.360	0.140	0.010	7850.0	15.826	
Stiffner for EM brake seat - outer	4*4	0.065	0.065	0.010	7850.0	5.307	
PLATES for MOTOR FRAME							
Motor seat	1*4	0.240	0.190	0.010	7850.0	14.319	

Stiffner for Motor seat - outer	2*4	0.065	0.065	0.010	7850.0	2.654	
Stiffner for Motor seat - inner	1*4	0.075	0.050	0.010	7850.0	1.178	
PLATES for REDUCTION GEAR BOX FRAME							
Reduction gear box seat	1*4	0.400	0.360	0.010	7850.0	45.216	
Stiffner for Reduction gear box seat - outer	4*4	0.090	0.090	0.010	7850.0	10.174	
Stiffner for Reduction gear box seat - inner	2*4	0.147	0.100	0.010	7850.0	9.232	
PLATES for DRIVE UNIT COVER							
Side cover for -1	2*4	1.567	0.970	0.00315	7850.0	300.685	
Side cover for -2	1*4	0.970	0.820	0.00315	7850.0	78.674	
Side cover for -3	1*4	0.820	0.670	0.00315	7850.0	54.342	
Strengthening plate on cover for manual operation shaft	1*4	0.150	0.150	0.005	7850.0	3.533	
Top cover	1*4	1.735	0.820	0.00315	7850.0	140.720	
Inspection window	1*4	0.300	0.300	0.00315	7850.0	8.902	
PLATES for ROPE DRUM FRAME							
Bracket for rope drum shaft	4*4	0.525	0.400	0.020	7850.0	527.521	
lock plate for drum shaft	4*4	0.290	0.100	0.010	7850.0	36.424	
Extension plate -1	2*4	1.620	0.060	0.010	7850.0	61.042	
Extension plate -2	2*4	0.680	0.060	0.010	7850.0	25.623	
Stiffner-1 Main frame	14*4	0.290	0.140	0.010	7850.0	178.478	
Stiffner-2 Main frame	6*4	0.290	0.080	0.010	7850.0	43.709	
Plate for plummer block base-1	8*4	0.080	0.080	0.010	7850.0	16.077	
Plate for plummer block base-1	8*4	0.080	0.070	0.010	7850.0	14.068	
Spacer for drum shaft	4*4	0.160	0.160	0.008	7850.0	25.723	
Middle stiffner for Bracket	4*4	0.110	0.090	0.010	7850.0	12.435	

	Sidestiffner for Bracket	8*4	0.160	0.090	0.010	7850.0	36.173	
PLATES for ROPE DRUM COVER								
	Cover -1	2*4	2.460	0.500	0.00315	7850.0	243.319	
	Cover -2	4*4	1.530	0.720	0.00315	7850.0	435.838	
	Inspection window	2*4	0.310	0.210	0.00315	7850.0	12.879	
MS SECTIONS for MANUAL OPERATING MECHANISM								
	Sleeve bearing seat ISMC 150x75	1*4	0.700			16.4	45.920	
	Column ISA 75x75x8	4*4	0.900			8.9	128.160	
	Sprocket base top-1 ISA 75x75x8	2*4	0.400			8.9	28.481	
	Sprocket base top-2 ISA 75x75x8	2*4	0.500			8.9	35.600	
	Plummer block base bottom ISMC 150x75	1*4	0.250			16.4	16.400	
MS SECTIONS for DRIVE UNIT FRAME								
	Main frame-1 ISMC 150x75	2*4	1.665			16.4	218.448	
	Main frame-2 ISMC 150x75	2*4	0.700			16.4	91.840	
MS SECTIONS for ROPE DRUM COVER								
	Top frame ISA 35 x 35 x 5	4*4	2.440			2.6	101.504	
	Bottom frame-1 ISA 35x35x5	4*4	0.550			2.6	22.881	
	Bottom frame-2 ISA 35x35x5	2*4	0.883			2.6	18.367	
	Bottom frame-3 ISA 35x35x5	4*4	0.073			2.6	3.037	
	Bottom frame-4 ISA 35x35x5	2*4	0.245			2.6	5.096	
	Bottom frame-5 ISA 35x35x5	2*4	0.128			2.6	2.663	
	Top frame inner ISA 35x35x5	14*4	0.480			2.6	69.888	

	Round edge frame-1 5mm flat	4*4	1.060	0.050	0.005	7850.0	33.285	
	Round edge frame-2 5mm flat	2*4	1.110	0.050	0.005	7850.0	17.428	
MS SECTION for ROPE DRUM FRAME								
	Main frame-1 ISMC 300x90	2*4	1.620			35.8	463.968	
	Main frame-2 ISMC 300x90	2*4	0.920			35.8	263.488	
	Main frame-3 ISMC 300x90	2*4	0.940			35.8	269.216	
	Main frame-4 ISMC 300x90	2*4	0.670			35.8	191.888	
	Main frame-5 ISMC 300x90	2*4	0.762			35.8	218.237	
	Main frame-6 ISMC 300x90	2*4	0.250			35.8	71.600	
	Plummer block base-1 ISA 90x90x10	4*4	0.300			13.4	64.320	
	Plummer block base-2 ISA 90x90x10	4*4	0.280			13.4	60.033	
MS SECTIONS for DRIVE UNIT COVER								
	Bottom frame-1 ISA 35x35x6	2*4	0.840			3.0	20.160	
	Bottom frame-2 ISA 35x35x6	2*4	1.000			3.0	24.000	
	Bottom frame-3 ISA 35x35x6	2*4	0.275			3.0	6.601	
	Side frame-1 ISA 35x35x6	2*4	0.994			3.0	23.856	
	Top frame outer-1 ISA 35x35x6	2*4	2.400			3.0	57.600	
	Top frame outer-2 ISA 35x35x6	2*4	0.840			3.0	20.160	
	Top frame inner ISA 35x35x6	3*4	0.770			3.0	27.720	
	Side frame-2 ISA 35x35x6	2*4	0.700			3.0	16.800	

Inspection window hinge frame ISA 35x35x6	1*4	0.800			3.0	9.601	
MS SECTIONS for REDUCTION GEAR BOX FRAME							
Support for reduction gearbox seat ISA 100x100x8	2*4	0.700			12.1	67.760	
MS SECTIONS for MOTOR FRAME							
Support for Motor seat ISA 75x75x8	2*4	0.700			8.9	49.840	
MS SECTIONS for ELECTROMAGNETIC BRAKE FRAME							
Support for EM brake seat ISA75x75x8	2*4	0.700			8.9	49.840	
MS SECTIONS for DIAL & DIAL ASSEMBLY							
Column ISMC 100x50	2*4	0.950			9.2	69.920	
Dial holding ISA 50x50x6	2*4	0.050			4.5	1.800	
MS SECTIONS for LADDER							
Ladder rail bottom ISMC 200x75	2	3.610			22.1	159.562	
Bottom landing frame-1 ISMC 200x75	5	1.000			22.1	110.500	
Bottom landing frame-2 ISMC 200x75	2	3.000			22.1	132.601	
Leg for bottom landing ISMC 150x75	4	2.350			16.4	154.160	
Bracing - 1 ISA 75 x 75 x 8	2	2.000			8.9	35.600	
Bracing - 2 ISA 75 x 75 x 8	2	0.700			8.9	12.460	
Cleat ISA 75x75x8	8	0.180			8.9	12.816	
Ladder rail top ISMC 200x75	2	3.450			22.1	152.490	
Top landing frame-1 ISMC 200x75	2	1.500			22.1	66.301	
Top landing frame-2 ISMC 200x75	2	2.200			22.1	97.241	

Wall support ISMC 150x75	2	2.120			16.4	69.536	
Step frame-1 ISA 40x40x6	50	1.350			3.5	236.250	
Step frame-2 ISA 40x40x6	50	0.300			3.5	52.500	
Hand rail post-1 ISA 65x65x6	19	1.100			5.8	121.221	
Hand rail post-2 ISA 65x65x6	3	1.150			5.8	20.010	
Handrail bottom MS flat 50x8	1	23.600	0.050	0.008	7850.0	74.105	
Gate frame vertical ISA 40x40x6	2	0.390			3.5	2.730	
Gate frame horizontal ISA 40x40x6	2	1.060			3.5	7.420	
MS SECTIONS for HOISTING BRIDGE							
Cross girder-1 ISMC 400x100	2*4	1.990			49.4	786.448	
Cross girder-2 ISMC 300x90	4*4	1.990			35.8	1139.872	
Cross girder-3 ISMC 200x75	4*4	0.920			22.1	325.312	
Cross girder-4 ISMC 200x75	2*4	0.929			22.1	164.248	
Cross girder-5 ISMC 150x75	8*4	1.990			16.4	1044.352	
Cross girder-6 ISMC 150x75	4*4	0.924			16.4	242.458	
Cleat-Cross girder bottom of hoisting girder inner side ISA100x100x8	34*4	0.150			12.1	246.840	
Cross girder - Extension platform ISMC 150x75	14*4	0.595			16.4	546.448	
Toe guard ISA 6 5 x 6 5 x 6	2*4	14.000			5.8	649.600	

Toe guard side ISA 65x65x6	1*4	2.200			5.8	51.040	
Hand rail post ISA 50x50x6	31*4	1.250			4.5	697.500	
Hand rail bottom 50x8mm flat	2*4	13.500	0.050	0.008	7850.0	339.120	
Hand rail bottom side 50x8mm flat	1	1.550	0.050	0.008	7850.0	4.868	
Hand rail fixing extension platform ISA 75x75x8	17*4	0.150			8.9	90.780	
Inclined support - extension platform ISA 75x75x8	14*4	0.720			8.9	358.848	
Cross girder bottom ISMC 150x75	5*4	1.990			16.4	652.720	
MS ROUND BARS for HOISTING BRIDGE							
Foundation Rod- 25mm MS rod	24*4	0.750			3.85	277.200	
MS ROUND BARS for DRIVE UNIT							
Lifting Hook-12mm MS rod	2*4	0.300			0.89	2.136	
MS ROUND BARS for ROPE DRUM COVER							
Lifting Hook-1-16mm MS rod	4*4	0.300			1.58	7.584	
Lifting Hook-2-16mm MS rod	2*4	0.400			1.58	5.057	
Lifting Hook-3-16mm MS rod	2*4	0.280			1.58	3.540	
MS ROUND BARS for LADDER							
J type Anchor rod - 16mm MS rod	24	0.310			1.58	11.756	
CHEQUERED PLATE for LADDER							
Landing Platform- B o t t o m - 6 m m Chequered Sheet	1	3.000	1.000		49.2	147.601	

Landing Platform-Top - 6mm Chequered Sheet	1	2.200	1.500		49.2	162.360	
Step-6mm Chequered Sheet	25	1.350	0.300		49.2	498.151	
Gate-6mm Chequered Sheet	1	1.390	1.060		49.2	72.492	
CHEQUERED PLATE for HOISTING BRIDGE							
Hoisting platform-1- 6mm Chequered S h e e t	2*4	3.150	1.900		49.2	2355.696	
Hoisting platform-2- 6mm Chequered S h e e t	4*4	1.600	0.850		49.2	1070.592	
Hoisting platform-3- 6mm Chequered S h e e t	2*4	0.850	0.630		49.2	210.773	
Hoisting platform-4- 6mm Chequered S h e e t	1*4	1.900	0.990		49.2	370.181	
Hoisting platform-5- 6mm Chequered S h e e t	1*4	1.900	0.760		49.2	284.180	
Hoisting extension pl a t f o r m - 6 m m Chequered Sheet	1*4	14.000	0.385		49.2	1060.753	
Bolt & Nut for Line shaft plummer block							
M16x100mm length Hexagonal Bolt with nut and washer	4*8				0.22	6.880	
Bolt and Nut for Bottom Block							
M16X35 Hexagonal Screw with washer (Lock plate)	48*4				0.12	22.081	
Bolt and Nut for Rope drum Cover							
M 8 X 2 0 l e n g t h Hexagonal Screw (For Inspection window cover)	16*4				0.02	1.088	

M 1 2 X 4 0 l e n g t h Hexagonal Bolt with nut and washer (For rope drum cover frame)	32*4				0.06	8.192	
Bolt and Nut for Rope Drum Assy							
M 1 6 X 3 5 l e n g t h Hexagonal Screw with washer(For Rope drum shaft lock plate)	32*4				0.12	14.720	
M16X100 length Hexagonal Bolt with nut and washer(For plummer block for pinion gear)	16*4				0.22	13.760	
M20X100 length Hexagonal Bolt with nut and washer(For rope drum frame)	20*4				0.36	28.560	
Bolt and Nut for Drive Unit cover							
M 1 2 X 6 0 l e n g t h Hexagonal Bolt with nut and washer(For cover)	4*20				0.08	6.561	
Bolt and nut for Hoist Bridge							
M 1 6 X 3 5 l e n t h Hexagonal Bolt with nut and washer(Pulley Lock plate)	4*32				0.12	14.720	
M 1 6 X 3 5 l e n t h Hexagonal Bolt with nut and washer(Hand rail fixing)	4*90				0.12	41.400	
M 1 6 X 5 0 l e n t h Hexagonal Bolt with n u t a n d washer(Hoisting girder web joint)	4*4				0.14	2.176	

	M 1 0 X 6 0 l e n t h Hexagonal Bolt with nut and washer(For Motor and EM brake)	4*8				0.06	1.824		
	M24X160 length Hexagonal Bolt with nut and washer(For Reduction gear box)	4*4				0.77	12.320		
	M 1 2 X 6 5 l e n g t h Hexagonal Bolt with nut and washer(For manual operation plummer block)	4*6				0.86	20.640		
	M20X100 length Hexagonal Bolt with nut and washer(For drive unit main frame)	4*12				0.36	17.136		
	M 2 5 N u t (F o r f o u n d a t i o n r o d)	32*3*4				0.13	48.000		
	Total Quantity						46487.269 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						46487.269 kg		
	Say 46487.269 kg @ Rs 3.40 / kg						Rs 158056.71		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
10 E6 -Supplying, stacking, erecting and trial run of ROPE DRUM HOISTING UNIT and its ACCESSORIES									
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel								
	PLUMMER BLOCK for LINE SHAFT								
	Plummer Block	2*4					8.000		
	LINE SHAFT								
	Dia 71mm round bar for Dia 65mm Line shaft	2*4	4.614			31.08	1147.225		
	Total Quantity						1155.225 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						1155.225 kg		
	Say 1155.225 kg @ Rs 128.95 / kg						Rs 148966.26		
2	od81481/2019_2020								

	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*4					16.000	
	Total Quantity						16.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						16.000 no	
	Say 16.000 no @ Rs 6417.29 / no						Rs 102676.64	
3	od81447/2019_2020 Cost of SUPPLYING and STACKING of WIRE ROPE Dia 22mm, 6/36 construction R H lay Ungalvanized, Main Fibre Core UTS 180Kg/MM2 Having Breaking Load=28848Kg Conforming to IS:2266- 2002 Wire rope Dia 22mm							
	WIRE ROPE DIA 22MM							
	Wire rope dia22MM	4	120.000				480.000	
	Total Quantity						480.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						480.000 metre	
	Say 480.000 metre @ Rs 363.43 / metre						Rs 174446.40	
4	od81449/2019_2020 SUPPLYING and STACKING of 30 TONNE capacity ROPE DRUM HOIST UNIT having 8m lift at a hoisting speed of about 0.38m/min(+/-10%) through pulley arrangements with 4 numbers of falls on either side with 22mm tested ungalvanized wire rope 6/36 construction, fibre core having breaking capacity 28848Kg 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 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 30T CAPACITY ROPE DRUM HOIST UNIT and its ACCESSORIES							
	30T Rope Drum Hoist	4					4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 950295.17 / set						Rs 3801180.68	
5	od81490/2019_2020 Providing DIAL ASSEMBLY							
	Dial Assy							
	Dial Assembly	1*4					4.000	

								Total Quantity	4.000 set
								Total Deducted Quantity	0.000 set
								Net Total Quantity	4.000 set
								Say 4.000 set @ Rs 26937.86 / set	Rs 107751.44
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*4							4.000
								Total Quantity	4.000 no
								Total Deducted Quantity	0.000 no
								Net Total Quantity	4.000 no
								Say 4.000 no @ Rs 55766.26 / no	Rs 223065.04
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*4							4.000
								Total Quantity	4.000 set
								Total Deducted Quantity	0.000 set
								Net Total Quantity	4.000 set
								Say 4.000 set @ Rs 16889.83 / set	Rs 67559.32
SI No	Description	No	L	B	D	CF	Quantity	Remark	
11 AppendixF- Unforeseen Items									
Lump-Sum Total								Rs 2360100.00	
Provision for GST payments (in %) @								12.0%	
Amount reserved for GST payments								12926776.69	
Total								120649915.69	
Lumpsum for round off								84.31	
TOTAL Rs 120650000.00									
Rounded Total Rs 12,06,50,000									
Rupees Twelve Crore Six Lakh Fifty Thousand Only									

(Cost Index Applied for this estimate is 31.06%)



Other Engineering Organisations

PRICE