

TS Register No: 1189/2019-2020

AS Register No:1241/2019-2020

**KLIFB Project- Tranche 14: Construction of Regulator Cum Bridge Across
Thoothapuzha at Keezhmurikadavu Moothikkayam in Moorkanad Panchayath in
Malappuram District.**

Detailed Estimate

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

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1 Appendix A- Construction of Regulator Cum Bridge								
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							
	Upstrem	1	150.000	50.000		0.0	0.750	
	Downstream	1	150.000	30.000		0.0	0.450	
	Total Quantity						1.200 Hecter	
	Total Deducted Quantity						0.000 Hecter	
	Net Total Quantity						1.200 Hecter	
	Say 1.200 Hecter @ Rs 133923.87 / Hecter						Rs 160708.64	
2	od135557/2019_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. 							
	main bunds U/s and D/s	2	160.000				320.000	
	Cross bund	2	60.000				120.000	
	Total Quantity						440.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						440.000 metre	
	Say 440.000 metre @ Rs 2186.49 / metre						Rs 962055.60	
3	od135549/2019_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							
	6*120*8	5760					5760.000	

						Total Quantity	5760.000 hour
						Total Deducted Quantity	0.000 hour
						Net Total Quantity	5760.000 hour
						Say 5760.000 hour @ Rs 232.74 / hour	Rs 1340582.40
4	od161042/2019_2020 Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete						
	3*120*8	1	2880.000				2880.000
						Total Quantity	2880.000 hour
						Total Deducted Quantity	0.000 hour
						Net Total Quantity	2880.000 hour
						Say 2880.000 hour @ Rs 317.74 / hour	Rs 915091.20
5	od135553/2019_2020 Bailing out water using pump above 10 HP and up to 20 HP -Bailing out water with engine and pump set above 10 hp and up to 20hp ,including conveyance to site and erection, cost of fuel ,lubrication oil and other stores,pay of staff etc complete. 						
	2*90*8	1440					1440.000
						Total Quantity	1440.000 hour
						Total Deducted Quantity	0.000 hour
						Net Total Quantity	1440.000 hour
						Say 1440.000 hour @ Rs 439.92 / hour	Rs 633484.80
6	od135565/2019_2020 Bailing out water using pump above 30 HP and up to 40 HP -Bailing out water with engine and pump set above 30 hp and up to 40hp ,including conveyance to site and erection, cost of fuel ,lubrication oil and other stores,pay of staff etc complete.						
	1*30*8	240					240.000
						Total Quantity	240.000 hour
						Total Deducted Quantity	0.000 hour
						Net Total Quantity	240.000 hour
						Say 240.000 hour @ Rs 952.07 / hour	Rs 228496.80
7	od137777/2019_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 						
	Gabbion Us	1	156.000	6.000	1.000		936.000

	Solid Apron	1	156.000	5.000	1.000		780.000	
	Do centre	1	156.000	7.000	2.200		2402.400	
	Do	1	156.000	4.000	1.800		1123.200	
	Do	1	156.000	4.000	1.600		998.401	
	Gabbion ds	1	156.000	12.000	1.000		1872.000	
	DR apron us	1	156.000	5.000	0.400		312.000	
	Dr Apron Ds	1	156.000	5.000	0.400		312.000	
	Lt abutment bund cutting	1	19.000	9.300	7.180		1268.707	
	Rt Abutment bund cutting	1	19.000	9.300	6.120		1081.405	
	Abutment pile cap	2	13.600	6.700	1.800		328.033	
	Do	2	4.000	2.000	0.200		3.200	
	pile cap pier	11	0.400	3.900	0.100		1.717	
	Levelling course below pier pile cap	11	4.400	3.900	0.100		18.876	
	Do Abutment	2	8.000	2.000	0.100		3.200	
	Do	2	13.600	6.700	0.100		18.224	
	Levelling upto bed level	1	156.000	50.000	1.520		11856.000	
						Total Quantity	23315.363 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	23315.363 cum	
						Say 23315.363 cum @ Rs 175.14 / cum	Rs 4083452.68	
8	12.22 Providing Steel Liner 10mm thick for Curbs and 6 mm thick for Steining of Wells including Fabricating and Setting out as per Detailed Drawing.							
	Lt and Rt abut	2*24	3.14*1.2		3.000	0.05	25.557	
	pier	11*8	3.14*1.2		3.000	0.05	46.853	
						Total Quantity	72.410 MT	
						Total Deducted Quantity	0.000 MT	
						Net Total Quantity	72.410 MT	
						Say 72.410 MT @ Rs 92559.33 / MT	Rs 6702221.09	
9	od135568/2019_2020 Bored cast-in-situ M30 grade R.C.C. Pile excluding Reinforcement complete as per Drawing and							

	Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m.Using Concrete Mixer - Pile diameter-1200 mm - as per 12.25.6 MORTH specification						
	Left and Right Abutments	2*24	8.000				384.000
	Pier	11*8	8.000				704.000
	Total Quantity						1088.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						1088.000 metre
	Say 1088.000 metre @ Rs 15942.77 / metre						Rs 17345733.76
10	od135570/2019_2020 Integrity testing of pile using low strain / sonic intergrity test/sonic eco test method in accordance with IS 14893 including surface preparation of pile top by removing soil,mud, dust and chipping lean concrete lumps etc and use of computerised equipment and high skill trained personal for conducting the test and submission of results,all complete as per direction of engineering in charge						
		136					136.000
	Total Quantity						136.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						136.000 no
	Say 136.000 no @ Rs 1157.60 / no						Rs 157433.60
11	12.39 Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap <i>Other Engineering Organisations</i>						
	below pier pile cap	11	11.400	3.900	0.100		48.907
	below abutment pile cap	2	13.600	8.700	0.100		23.664
		136	3.14*.6*.6		0.100		-15.373
	Total Quantity						72.571 cum
	Total Deducted Quantity						-15.373 cum
	Net Total Quantity						57.198 cum
	Say 57.198 cum @ Rs 7209.09 / cum						Rs 412345.53
12	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						
	solid apron us	1	156.000	5.000	1.000		780.000
	do central portion	1	156.000	7.000	2.200		2402.400
	do	1	156.000	4.000	1.800		1123.200

	solid apron ds	1	156.000	4.000	1.600		998.401	
	Weir	2	7.000	$(2.5+1.5)/2$	0.500		14.000	
	Do	10	12.000	$(2.5+1.5)/2$	0.500		120.000	
	Abutment toe	2	9.600	2.000	1.800		-69.120	
	do	2	4.000	2.000	1.600		-25.600	
	pier cap	11	11.000	3.900	1.800		-849.420	
	do	11	0.400	3.900	1.600		-27.456	
						Total Quantity	5438.001 cum	
						Total Deducted Quantity	-971.596 cum	
						Net Total Quantity	4466.405 cum	
						Say 4466.405 cum @ Rs 7509.93 / cum	Rs 33542388.90	
13	12.38.B.2 Cement Concrete for Reinforced Concrete in Pile Cap complete as per Drawing and Technical Specification R C C Grade M-25 - Using Batching Plant, Transit Mixer and Concrete Pump							
	Lt and Rt abutment	2	13.600	8.700	1.800		425.952	
	Pier	11	11.400	3.900	1.800		880.309	
						Total Quantity	1306.261 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	1306.261 cum	
						Say 1306.261 cum @ Rs 8120.67 / cum	Rs 10607714.51	
14	13.5.F.P.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m							
	Abutment Lt and Rt CF	2*6	$(5.5+1.929)/2$	0.600	5.000		133.722	
	Do Stem	2	13.600	1.200	5.000		163.200	
	Pier square portion	11	2.000	2.000	5.000		220.000	
	Pier Semi circle portion	11	2.000	$(3.14*1*1)/2$	5.000		172.701	
	Circular col	11	3.140	$(1.5*1.5)/4$	5.000		97.144	
	Bracing beam	11	5.500	0.400	0.400		9.681	
	Grooves	24	0.500	0.500	5.000		-30.000	
						Total Quantity	796.448 cum	

	Total Deducted Quantity						-30.000 cum	
	Net Total Quantity						766.448 cum	
	Say 766.448 cum @ Rs 8560.45 / cum						Rs 6561139.78	
15	13.5.F.q.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height 5m to 10m							
	Lt and Rt abutments CF	2*6	$(1.929+0)/2$	0.600	2.700		18.750	
	Do stem	2	13.600	1.200	2.700		88.129	
	Dirt wall Rt and Lt abutments	2	11.600	1.200	0.300		8.352	
	Do	2	11.600	1.650	0.400		15.312	
	Abutment Extended portion Lt and Rt	2	1.200	0.750	4.800		8.640	
	Do	2	0.700	1.250	4.800		8.400	
	Pier square part	11	2.000	2.000	1.800		79.200	
	Semi Circle portion	11	2.000	$(3.14*1*1)/2$	1.800		62.173	
	Circular Col	11	3.140	$(1.5*1.5)/4$	1.800		34.972	
	Pier tapered portion	11	0.500	$(3.14*1*1)/3$	1.200		6.908	
	Do	11	2.000	2.000	1.200		52.800	
	Pier cap	11	9.500	2.000	1.200		250.800	
	pier extension	11	2.000	0.750	4.500		74.250	
	Do	11	1.250	1.000	4.500		61.875	
	Grooves	24	0.500	0.500	3.000		-18.000	
	Total Quantity						770.561 cum	
	Total Deducted Quantity						-18.000 cum	
	Net Total Quantity						752.561 cum	
	Say 752.561 cum @ Rs 8840.60 / cum						Rs 6653090.78	
16	14.1A.2.2.B Furnishing and Placing Reinforced Cement Concrete Grade M20 Using Batching Plant, Transit Mixer and Concrete Pump as per drawing and Technical Specification. For T-beam & slab - Height 5m to 10m							
	For 12 spans	12	67.300				807.600	
	Total Quantity						807.600 cum	

		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					807.600 cum	
		Say 807.600 cum @ Rs 9307.07 / cum					Rs 7516389.73	
17	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	pile M30	1	1088.000	3.140	(1.2*1.2)/4	0.18	221.378	
	Soli Apron , weir etc M20	1	4466.405			0.06	267.985	
	Pile cap M25	1	1306.261			0.18	235.127	
		Total Quantity					724.490 MT	
		Total Deducted Quantity					0.000 MT	
		Net Total Quantity					724.490 MT	
		Say 724.490 MT @ Rs 74208.34 / MT					Rs 53763200.25	
18	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
	M25	1	(766.448+752.561)			0.18	265.827	
		Total Quantity					265.827 MT	
		Total Deducted Quantity					0.000 MT	
		Net Total Quantity					265.827 MT	
		Say 265.827 MT @ Rs 74484.41 / MT					Rs 19799967.26	
19	od135576/2019_2020 Construction of RCC railing of M20 Grade in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical RCC post not to exceed 1 in 500, center to center spacing between vertical post not to exceed 2000 mm, leaving adequate space between vertical post for expansion, complete as per approved drawings and technical specifications.							
	Hand Rails	2	158.400				316.800	
		Total Quantity					316.800 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					316.800 metre	
		Say 316.800 metre @ Rs 2053.72 / metre					Rs 650618.50	
20	14.2 Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications							

	T Beam and slab M20	1	807.600			0.18	145.368	
	Total Quantity						145.368 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						145.368 MT	
	Say 145.368 MT @ Rs 76518.67 / MT						Rs 11123366.02	
21	14.4 Providing and laying Cement concrete wearing coat M-30 grade including reinforcement complete as per drawing and Technical Specifications.							
	wearing coat	1	157.600	7.500	0.050		59.100	
		1	157.600	7.500*2/3	0.050		39.401	
	Total Quantity						98.501 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						98.501 cum	
	Say 98.501 cum @ Rs 14448.87 / cum						Rs 1423228.14	
22	13.10 Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.							
	Lt anf Rt abutment	2	(13.6-6*.6)	0.600	7.700		92.400	
	Total Quantity						92.400 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						92.400 cum	
	Say 92.400 cum @ Rs 3117.99 / cum						Rs 288102.28	
23	od135582/2019_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 ± 2%) Zinic+PVC coated, Mesh wire diameter 2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.							
	US	1	156.000	6.000	1.000		936.000	
		1	156.000	12.000	1.000		1872.000	
	Total Quantity						2808.000 cum	
	Total Deducted Quantity						0.000 cum	

		Net Total Quantity					2808.000 cum	
		Say 2808.000 cum @ Rs 4010.73 / cum					Rs 11262129.84	
24	od135583/2019_2020 Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorised representative ensuring compliance to the manufacturer's instructions for installation (14.22) 							
		13	11.050				143.650	
		Total Quantity					143.650 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					143.650 metre	
		Say 143.650 metre @ Rs 9970.65 / metre					Rs 1432283.87	
25	13.14 Supplying, fitting and fixing in position true to line and level elastomeric bearing conforming to IRC: 83 (Part-II) section IX and clause 2005 of MoRTH specifications complete including all accessories as per drawing and Technical Specifications.							
	Over Pier	11*2*3	71.000	20.000	4.800		449856.000	
	Abutment	2*3	71.000	20.000	4.800		40896.000	
		Total Quantity					490752.000 Cum cm	
		Total Deducted Quantity					0.000 Cum cm	
		Net Total Quantity					490752.000 Cum cm	
		Say 490752.000 Cum cm @ Rs 0.88 / Cum cm					Rs 431861.76	
26	od135586/2019_2020 Providing Z steel sheet pile of size 400x185x7.5/8.5 driving down vertically in lines and levels interlocking with adjacent piles with suitable pile driving unit and all accessories including all labour hire charges etc. complete and as per the directions of departmental officers at site.							
	us	1	184.000		7.000		1288.000	
	ds	1	184.000		7.000		1288.000	
		Total Quantity					2576.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					2576.000 sqm	
		Say 2576.000 sqm @ Rs 15772.41 / sqm					Rs 40629728.16	
27	od147345/2019_2020 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
	abutment Lt and Rt	2	40.000	1.200			96.000	

	drainage spout	2	12.000	0.500			12.000	
	Total Quantity						108.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						108.000 metre	
	Say 108.000 metre @ Rs 127.44 / metre						Rs 13763.52	
28	od135588/2019_2020 Cathodic protection to sheet piles including all cost, conveyance etc. complete 							
		1	2576.000			0.12	309.120	
	Total Quantity						309.120 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						309.120 MT	
	Say 309.120 MT @ Rs 495.00 / MT						Rs 153014.40	
29	14.16 Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 sqm.							
	Abutments	2	16.600		8.000		265.600	
	Circular Col	11	3.14*1.5		6.800		352.308	
	Piers P1 o P11	11	10.280		6.800		768.944	
	Pier cap bottom	11	8.500	2.000			187.000	
	pier cap side	11	21.000		1.200		277.200	
	Shutter piers	13	8.000		5.700		592.801	
	main girders	3*10	13.950		3.020		1263.870	
		3*2	9.200		3.020		166.704	
	cross girders	12*3*2	2.700		2.370		460.729	
		12*3*2	0.825		2.370		140.778	
	deck slab	10*2	13.200	2.700			712.800	
		10*2	13.200	2.375			627.000	
		2*2	8.450	2.700			91.260	
		2*2	8.450	2.375			80.275	
	kerb	10*2	13.950		0.325		90.675	
		2*2	9.200		0.325		11.960	
	end handrails	12*2*2	1.200		1.200		69.120	
	middlle hand rail posts	10*2*9	0.800		1.200		172.800	
		2*2*6	0.800		1.200		23.040	

	end hand rails	4*3*7	1.200	0.600	1.200		72.576	
	middle hand rail	20*3*10	1.300	0.600	1.200		561.600	
	Total Quantity						6989.040 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						6989.040 sqm	
	Say 6989.040 sqm @ Rs 210.68 / sqm						Rs 1472450.95	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 Appendix B- Side Protection Works of river								
1	<p>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</p>							
	Us	2	500.000	20.000		0.0	2.000	
	Ds	2	250.000	20.000		0.0	1.000	
	Total Quantity						3.000 Hecter	
	Total Deducted Quantity						0.000 Hecter	
	Net Total Quantity						3.000 Hecter	
	Say 3.000 Hecter @ Rs 133923.87 / Hecter						Rs 401771.61	
2	<p>od137777/2019_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
</p>							
	Bund Cutting us	2	500.000	$(7.7+4.7)/2$	6.000		37200.000	
	Bund cutting ds	2	250.000	$(7.7+4.7)/2$	6.000		18600.000	
	Foundation CF Ret wall us	2	500.000	4.300	1.000		4300.000	
	Foundation CF ret wall ds	2	250.000	4.300	1.000		2150.000	
	Total Quantity						62250.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						62250.000 cum	
	Say 62250.000 cum @ Rs 175.14 / cum						Rs 10902465.00	

3	od150570/2019_2020 RING BUND Type II Putting up ring bund with earth fille gunny bags of top width 1.0m bottom width 2.0m height 2.0 m side and filling in between with earth to form ring bund and maintaining the same leak proof till the completion of the work and clearing the site by dismantling the bund after completion of the work.etc.complete.							
	us protection	2	505.000				1010.000	
	DS protection	2	255.000				510.000	
	Total Quantity						1520.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1520.000 metre	
	Say 1520.000 metre @ Rs 981.55 / metre						Rs 1491956.00	
4	od135549/2019_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							
	4*80*8	2560					2560.000	
	Total Quantity						2560.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						2560.000 hour	
	Say 2560.000 hour @ Rs 232.74 / hour						Rs 595814.40	
5	od149988/2019_2020 Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
	2*60*8	960					960.000	
	Total Quantity						960.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						960.000 hour	
	Say 960.000 hour @ Rs 317.74 / hour						Rs 305030.40	
6	od154747/2019_2020 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications PCC Grade M10 specification as per 12.8.A MORTH specification							
	levelling course for CF retwall us	2	500.000	4.300	0.100		430.000	
	Do ds	2	250.000	4.300	0.100		215.000	
	Total Quantity						645.000 cum	
	Total Deducted Quantity						0.000 cum	

	Net Total Quantity						645.000 cum	
	Say 645.000 cum @ Rs 6364.81 / cum						Rs 4105302.45	
7	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							
	CF base slab us	2	500.000	4.100	0.800		3280.000	
	base slab CF ds	2	250.000	4.100	0.800		1640.000	
	Total Quantity						4920.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						4920.000 cum	
	Say 4920.000 cum @ Rs 7509.93 / cum						Rs 36948855.60	
8	13.5.E.p.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M20 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m							
	stem CF us	2	500.000	0.400	6.000		2400.000	
	CF US	2*152	(2.7+0)/2	0.300	6.000		738.720	
	CF for joints US	2*10	(2.7+0)/2	0.300	6.000		48.600	
	Stem CF ds	2	250.000	0.400	6.000		1200.000	
	CF DS	2*76	(2.7+0)/2	0.300	6.000		369.360	
	CF for joints DS	2*5	(2.7+0)/2	0.300	6.000		24.300	
	Total Quantity						4780.980 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						4780.980 cum	
	Say 4780.980 cum @ Rs 7943.19 / cum						Rs 37976232.53	
9	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	CF base slab us	2	500.000	4.100	0.800	0.18	590.400	
	base slab CF ds	2	250.000	4.100	0.800	0.18	295.200	
	Total Quantity						885.600 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						885.600 MT	
	Say 885.600 MT @ Rs 74208.34 / MT						Rs 65718905.90	
10	13.6							

Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications								
	stem CF us	2	500.000	0.400	6.000	0.18	432.000	
	CF US	2*152	(2.7+0)/2	0.300	6.000	0.18	132.970	
	CF for joints US	2*10	(2.7+0)/2	0.300	6.000	0.18	8.748	
	Stem CF ds	2	250.000	0.400	6.000	0.18	216.000	
	CF DS	2*76	(2.7+0)/2	0.300	6.000	0.18	66.485	
	CF for joints DS	2*5	(2.7+0)/2	0.300	6.000	0.18	4.374	
Total Quantity							860.577 MT	
Total Deducted Quantity							0.000 MT	
Net Total Quantity							860.577 MT	
Say 860.577 MT @ Rs 74484.41 / MT							Rs 64099570.10	
11	od147345/2019_2020 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
	retaining wall us	2*200	0.750				300.000	
	Ret wall ds	2*2*100	0.750				300.000	
Total Quantity							600.000 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							600.000 metre	
Say 600.000 metre @ Rs 127.44 / metre							Rs 76464.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 Appendix C Construction of Head Regulator and Side Protecion of Thodu								
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							
	banks of thodu	2	200.000	2.000		0.0	0.080	
	Inside of thodu	1	50.000	10.000		0.0	0.050	
Total Quantity							0.130 Hecter	
Total Deducted Quantity							0.000 Hecter	
Net Total Quantity							0.130 Hecter	
Say 0.130 Hecter @ Rs 133923.87 / Hecter							Rs 17410.10	

2	od150570/2019_2020 RING BUND Type II Putting up ring bund with earth fille gunny bags of top width 1.0m bottom width 2.0m height 2.0 m side and filling in between with earth to form ring bund and maintaining the same leak proof till the completion of the work and clearing the site by dismantling the bund after completion of the work.etc.complete.							
	across thodu us	2	10.000				20.000	
	across thodu ds	2	10.000				20.000	
	Total Quantity						40.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						40.000 metre	
	Say 40.000 metre @ Rs 981.55 / metre						Rs 39262.00	
3	od149988/2019_2020 Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
		1	800.000				800.000	
	Total Quantity						800.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						800.000 hour	
	Say 800.000 hour @ Rs 317.74 / hour						Rs 254192.00	
4	od137777/2019_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 							
	bed levelling	1	50.000	10.000	1.500		750.000	
	Lt abutment bund cutting	1	$(11.4+5.4)/2$	$(8.1+5.1)/2$	6.000		332.640	
	Rt abutment bund cutting	1	$(11.4+5.4)/2$	$(8.1+5.1)/2$	6.000		332.640	
	CF Us Lt and Rt	2	10.200	$(7.7+4.7)/2$	6.000		758.880	
	DS RR Ret wall Lt and Rt	2	100.000	$(5.1+2.1)/2$	6.000		4320.000	
	Lt and Rt abutment toe	2	4.200	1.800	0.400		-6.048	
	solid apron central portion	1	10.000	6.000	1.500		90.000	

	Do DS	1	10.000	4.000	1.100		44.000		
	solid apron US	1	10.000	4.000	0.750		30.000		
	cut off us	1	10.000	0.500	1.750		8.750		
	cut off ds	1	10.000	0.500	1.400		7.000		
	gabbion ds	1	10.000	6.000	0.500		30.000		
	gabbion us	1	10.000	3.000	0.500		15.000		
	DR packing below apron ds	1	10.000	4.000	0.400		16.000		
	do US	1	10.000	4.000	0.400		16.000		
	Do middle portion	1	10.000	6.000	0.400		24.000		
	Lt abutment pile cap	1	4.400	(6.5-1.9)	1.200		24.288		
	Rt abutment pile cap	1	4.400	(6.5-1.9)	1.200		24.288		
	base slab CF ret wall	2	10.200	4.300	0.800		70.176		
	Foundation RR wall ds	2	100.000	2.200	0.600		264.000		
	Total Quantity						7157.662 cum		
	Total Deducted Quantity						-6.048 cum		
	Net Total Quantity						7151.614 cum		
	Say 7151.614 cum @ Rs 175.14 / cum						Rs 1252533.68		
5	od150571/2019_2020 Bored cast-in-situ M25 grade R.C.C. Pile excluding Reinforcement complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. Using Concrete Mixer - Pile diameter-600 mm as per 55.17.4 MORTH OD								
	piles under pier	1*6	8.000				48.000		
	under Lt abutment	3*4	8.000				96.000		
	piles under Rt abutment	3*4	8.000				96.000		
	Total Quantity						240.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						240.000 metre		
	Say 240.000 metre @ Rs 5805.09 / metre						Rs 1393221.60		
6	12.22 Providing Steel Liner 10mm thick for Curbs and 6 mm thick for Steining of Wells including Fabricating and Setting out as per Detailed Drawing.								
	piles under pier	1*6	3.000			0.05	0.900		

	piles under Lt abutment	3*4	3.000			0.05	1.800	
	piles under Rt abutment	3*4	3.000			0.05	1.800	
	Total Quantity						4.500 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						4.500 MT	
	Say 4.500 MT @ Rs 92559.33 / MT						Rs 416516.99	
7	12.39 Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap							
	pier piles	6	3.140	.3*.3	0.100		-0.169	
	abutment piles	24	3.140	.3*.3	0.100		-0.678	
	levelling concrete pier pile cap	1	4.700	2.900	0.100		1.364	
	left abutment pile cap	1	4.400	6.500	0.100		2.861	
	Rt abutment pile cap	1	4.400	6.500	0.100		2.861	
	Total Quantity						7.086 cum	
	Total Deducted Quantity						-0.847 cum	
	Net Total Quantity						6.239 cum	
	Say 6.239 cum @ Rs 7209.09 / cum						Rs 44977.51	
8	12.38.B.2 Cement Concrete for Reinforced Concrete in Pile Cap complete as per Drawing and Technical Specification R C C Grade M-25 - Using Batching Plant, Transit Mixer and Concrete Pump							
	pile cap pier	1	4.500	2.700	1.200		14.580	
	pile cap left and right abutments	2	4.200	6.300	1.200		63.504	
	Total Quantity						78.084 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						78.084 cum	
	Say 78.084 cum @ Rs 8120.67 / cum						Rs 634094.40	
9	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							

	US CF Lt and Rt base slab	2	10.200	4.100	0.800		66.912		
	Total Quantity						66.912 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						66.912 cum		
	Say 66.912 cum @ Rs 8074.06 / cum							Rs 540251.50	
10	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								
	solid apron centre	1	10.000	6.000	1.500		90.000		
	solid apron ds	1	10.000	4.000	1.100		44.000		
	solid apron us	1	10.000	4.000	0.750		30.000		
	cut off wall us	1	10.000	0.500	1.250		6.250		
	cut of ds	1	10.000	0.500	1.400		7.000		
	pier pile cap	1	4.500	2.700	1.200		-14.580		
	Lt abutment toe overlap	1	4.200	1.800	1.200		-9.072		
	Rt abutment toe overlap	1	4.200	1.800	1.200		-9.072		
	Total Quantity						177.250 cum		
	Total Deducted Quantity						-32.724 cum		
	Net Total Quantity						144.526 cum		
	Say 144.526 cum @ Rs 7509.93 / cum							Rs 1085380.14	
11	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications								
	RCC M25	1	(78.084+6 6.912)		0.175		25.375		
	PCC M20	1	144.526		0.060		8.672		
	Total Quantity						34.047 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						34.047 MT		
	Say 34.047 MT @ Rs 74208.34 / MT							Rs 2526571.35	
12	13.5.F.P.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications								

	RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m								
	Lt and Rt abutment CF	2*3	(3.5+0)/2	0.300	6.000		18.901		
	Do stem	2	4.200	1.000	6.000		50.401		
	Pier rectangle portion	1	2.700	1.500	6.000		24.301		
	Do semicircle part	2	3.140	(.75*.75)/2	6.000		10.598		
	CF Ret wall US Lt and Rt CF	2*4	(2.7+0)/2	0.300	6.000		19.440		
	Do stem	2	10.200	0.400	6.000		48.960		
	groove	4	0.600	0.600	6.000		-8.640		
	Total Quantity						172.601 cum		
	Total Deducted Quantity						-8.640 cum		
	Net Total Quantity						163.961 cum		
	Say 163.961 cum @ Rs 8560.45 / cum						Rs 1403579.94		
13	13.5.F.q.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height 5m to 10m								
	pier extension	1	1.500	1.500	4.000		9.000		
	Lt and Rt abutment	2	1.500	1.500	4.000		18.000		
	grooves	4	0.600	0.600	4.000		-5.760		
	Total Quantity						27.000 cum		
	Total Deducted Quantity						-5.760 cum		
	Net Total Quantity						21.240 cum		
	Say 21.240 cum @ Rs 8840.60 / cum						Rs 187774.34		
14	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications								
	RCC M25	1	163.961+2 1.24			0.18	33.337		
	PCC 1:3:6	1	1040.000			0.06	59.280		
	Total Quantity						92.617 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						92.617 MT		
	Say 92.617 MT @ Rs 74484.41 / MT						Rs 6898522.60		
15	od135582/2019_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.							
us	1	10.000	3.000	0.500		15.000		
ds	1	10.000	6.000	0.500		30.000		
	Total Quantity						45.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						45.000 cum	
	Say 45.000 cum @ Rs 4010.73 / cum						Rs 180482.85	
16	od154747/2019_2020 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications PCC Grade M10 specification as per 12.8.A MORTH specification							
Foundation DS ret. wall Lt and Rt	2	100.000	2.200	0.600		264.000		
	Total Quantity						264.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						264.000 cum	
	Say 264.000 cum @ Rs 6364.81 / cum						Rs 1680309.84	
17	od165381/2019_2020 Plain Cement Concrete 1:3:6 (1 cement : 3 Course sand: 6 graded stone aggregate 40mm metal size) nominal mix in sub structure , mechanically mixed, placed in sub structure and compacted by vibration including curing for 14 days etc. complete as per specification.							
Ds ret wall super structure Lt and Rt	2	100.000	(2+.6)/2	4.000		1040.000		
	Total Quantity						1040.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1040.000 cum	
	Say 1040.000 cum @ Rs 7003.09 / cum						Rs 7283213.60	
18	od147345/2019_2020 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
side wall	2*120	1.200				288.000		
	Total Quantity						288.000 metre	

							Total Deducted Quantity	0.000 metre
							Net Total Quantity	288.000 metre
							Say 288.000 metre @ Rs 127.44 / metre	Rs 36702.72
19	14.16 Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 sqm.							
	Abutment Lt and Rt	2	6.200		6.000		74.400	
	pier	1	10.110		6.000		60.660	
	shutter pier extension	1	6.000		4.000		24.000	
	abutment extension	2	5.000		4.000		40.000	
							Total Quantity	199.060 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	199.060 sqm
							Say 199.060 sqm @ Rs 210.68 / sqm	Rs 41937.96
SI No	Description	No	L	B	D	CF	Quantity	Remark
4 Appendix D Approach Road and Bank Connection								
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							
		2	120.000	2.000		0.0	0.048	
		2	100.000	2.500		0.0	0.050	
							Total Quantity	0.098 Hecter
							Total Deducted Quantity	0.000 Hecter
							Net Total Quantity	0.098 Hecter
							Say 0.098 Hecter @ Rs 133923.87 / Hecter	Rs 13124.54
2	od137777/2019_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 							
	bund cutting vengad side	2	110.000	3.000	2.500		1650.000	
	do Nedungottur side	2	80.000	3.000	3.000		1440.000	

	foundation side wall Nedungottur	2	80.000	2.500	1.000		400.000	
	do vengad	2	110.000	2.500	1.000		550.000	
	Total Quantity						4040.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						4040.000 cum	
	Say 4040.000 cum @ Rs 175.14 / cum						Rs 707565.60	
3	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15							
	Foundation side wall Vengad side	2	110.000	2.450	1.000		539.000	
	Do Nedungottur side	2	80.000	2.450	1.000		392.000	
	Total Quantity						931.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						931.000 cum	
	Say 931.000 cum @ Rs 7504.48 / cum						Rs 6986670.88	
4	13.5.A Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M15 - Height upto 5m							
	super structure side wall Vengad	2	110.000	$(2.25+.6)/2$	4.500		1410.750	
	Do Nedungottur side	2	80.000	$(2.25+.6)/2$	4.500		1026.000	
	Total Quantity						2436.750 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2436.750 cum	
	Say 2436.750 cum @ Rs 7937.43 / cum						Rs 19341532.55	
5	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
		1	931.000			0.04	37.240	
	Total Quantity						37.240 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						37.240 MT	

	Say 37.240 MT @ Rs 74208.34 / MT						Rs 2763518.58	
6	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
		1	2436.750			0.04	97.470	
	Total Quantity						97.470 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						97.470 MT	
	Say 97.470 MT @ Rs 74484.41 / MT						Rs 7259995.44	
7	od147345/2019_2020 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
	side wall Vengad	2*50	1.000				100.000	
	Do Nedungattoor	2*40	1.000				80.000	
	Total Quantity						180.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						180.000 metre	
	Say 180.000 metre @ Rs 127.44 / metre						Rs 22939.20	
8	3.17 Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2.							
	road filling Vengad side	1	110.000	5.700	3.000		1881.000	
	road filling Nedungattur side	1	80.000	5.700	3.000		1368.000	
	Total Quantity						3249.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						3249.000 cum	
	Say 3249.000 cum @ Rs 97.73 / cum						Rs 317524.77	
SI No	Description	No	L	B	D	CF	Quantity	Remark
5 Appendix E Approach Road -MORTH								
1	3.15 Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead upto 1000 metres by Mechanical Means							
	Vengad side	1	25.000	3.800			95.000	

	Say 1045.000 sqm @ Rs 49.46 / sqm						Rs 51685.70	
5	<p>5.2.a Providing and applying tack coat with bitumen emulsion(RS) using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.</p>							
	Vengad side	1	110.000	5.500			605.000	
	Nedungottur side	1	80.000	5.500			440.000	
	Total Quantity						1045.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1045.000 sqm	
	Say 1045.000 sqm @ Rs 9.66 / sqm						Rs 10094.70	
6	<p>5.3.2.a Providing and laying bituminous macadam with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder (VG 30), transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction. For Grading II - (19 mm nominal size)</p>							
	Vengad side	1	110.000	5.500	0.050		30.250	
	Nedungottur side	1	80.000	5.500	0.050		22.000	
	Total Quantity						52.250 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						52.250 cum	
	Say 52.250 cum @ Rs 7147.46 / cum						Rs 373454.79	
7	<p>5.6.2.a Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder(NRMB) @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects Grading - II (13.2 mm Nominal Size)</p>							
	Vengad side	1	110.000	5.500	0.030		18.150	
	Nedungottur side	1	80.000	5.500	0.030		13.200	
	Total Quantity						31.350 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						31.350 cum	
	Say 31.350 cum @ Rs 10716.09 / cum						Rs 335949.42	

8	8.13 Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads on Bituminous Surface @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.							
	Vengad side	1	110.000	0.150			16.500	
	Nedungottur side	1	80.000	0.150			12.000	
							Total Quantity	28.500 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	28.500 sqm
							Say 28.500 sqm @ Rs 502.53 / sqm	Rs 14322.11
9	8.5 Providing and fixing of direction and place identification retro-reflectorised sign with 7 years warranty manufactured as per IRC :67 made of Type IV micro prismatic grade sheeting fixed over aluminium sheeting, 2 mm thick/ aluminium composit material sheeting 4 mm thick with area not exceeding 0.9 sqm, with suitable back supporting frame of MS angle 40x40x6 and supported on GI pipe pole 50mm NB confirming to IS 1239 firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete min size 45 cm x 45 cm x 60 cm, 60 cm below ground level including painting all exposed surface with 2 coats of epoxy painting over epoxy primer and as per approved drawing and clause 801 including lettering symbols etc.							
		2	1.200	0.900			2.160	
							Total Quantity	2.160 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	2.160 sqm
							Say 2.160 sqm @ Rs 7884.99 / sqm	Rs 17031.58
Sl No	Description	No	L	B	D	CF	Quantity	Remark
6 Appendix F Electrical (Generator) Building								
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							
		8	1.800	2.000	1.500		43.200	
	leach pit	1	2.800	1.800	1.500		7.561	
	Below plinth beam	2	1.150	0.350	0.250		0.202	
	do	4	2.250	0.350	0.250		0.788	
	do	4	3.950	0.350	0.250		1.383	
							Total Quantity	53.134 cum

		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					53.134 cum	
		Say 53.134 cum @ Rs 165.07 / cum					Rs 8770.83	
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)							
	passage	1	3.500	2.500	0.100		0.875	
	Free space	1	3.600	2.050	0.100		0.738	
	Room	1	3.600	3.730	0.100		1.343	
	watchman room	1	3.600	3.500	0.100		1.260	
	toilet	1	2.000	1.800	0.100		0.361	
	toilet below landing	1	2.500	1.800	0.100		0.450	
	Col	8	1.800	2.000	0.150		4.320	
		Total Quantity					9.347 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					9.347 cum	
		Say 9.347 cum @ Rs 5869.06 / cum					Rs 54858.10	
3	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)							
		plinth beam						
		3	2.500	0.230	0.600		1.036	
		6	3.600	0.230	0.600		2.981	
		4	5.300	0.230	0.600		2.926	
		1	1.800	0.230	0.600		0.249	
		col footing						
	Rect. portion	8	1.800	1.600	0.300		6.913	
	trapezoidal	8	$(.23*.45+1.6*1.8)/2$	0.150			1.791	
		leach pit slab						
		1	2.800	1.800	0.100		0.504	
		col upto plinth beam bottom						
		8	0.230	0.450	0.900		0.746	

						Total Quantity	17.146 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	17.146 cum	
						Say 17.146 cum @ Rs 8145.84 / cum	Rs 139668.57	
4	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)							
	FF col upto beam bottom	8	0.230	0.450	3.600		2.981	
	GF col upto beam bottom	8	0.230	0.450	3.600		2.981	
						Total Quantity	5.962 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	5.962 cum	
						Say 5.962 cum @ Rs 9365.29 / cum	Rs 55835.86	
5	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, with1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).							
	beam under landing	1	2.500	0.230	0.300		0.173	
	FF mail slab	1	11.000	6.600	0.150		10.890	
	FF beams	4	3.600	0.230	0.600		1.988	
		2	2.500	0.230	0.600		0.691	
		4	5.300	0.230	0.600		2.926	
	FF lintel	5	3.600	0.230	0.150		0.621	
		2	2.500	0.230	0.150		0.173	
		4	5.300	0.230	0.150		0.732	
	GF beams	5	3.600	0.230	0.600		2.484	
		2	2.500	0.230	0.600		0.691	
		4	5.300	0.230	0.600		2.926	
	sunshade GF and FF	2*2	10.620	0.600	0.100		2.549	
	sides	2*2	6.200	0.600	0.100		1.488	
	lintel gf	1	1.800	0.230	0.150		0.063	

		4	5.300	0.230	0.150		0.732		
		6	3.600	0.230	0.150		0.746		
		3	2.500	0.230	0.150		0.259		
	stair waist slab	1	6.090	1.250	0.150		1.142		
	landing slab	1	2.960	2.260	0.150		1.004		
	steps	18	1/2	0.300	0.175	1.25	0.591		
	main slab gf	10.62	6.200	0.200			13.169		
	stair	1	3.470	2.500	0.200		-1.735		
	Total Quantity						46.038 cum		
	Total Deducted Quantity						-1.735 cum		
	Net Total Quantity						44.303 cum		
	Say 44.303 cum @ Rs 9686.38 / cum						Rs 429135.69		
6	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete								
	vertical sides	8*2	1.800	0.300			8.640		
		8*2	1.600	0.300			7.680		
	leach pit cover slab								
		1	9.200	0.100			0.920		
	Total Quantity						17.240 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						17.240 sqm		
	Say 17.240 sqm @ Rs 254.19 / sqm						Rs 4382.24		
7	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform								
	gen room	1	3.600	5.740			20.664		
	store	1	3.600	3.500			12.600		
	free sp	1	3.600	2.050			7.380		
	stair	1	2.500	5.300			13.250		
	stair								
	waist slab	1	6.090	1.250			7.613		
		1	6.090		0.150		0.914		
	steps vertical	18	1.250		0.175		3.938		

		18	1/2	0.300	0.175		0.473	
		1	2.400	1.250			-3.000	
		1	1.200	1.250			-1.500	
	landing slab							
		1	2.500	1.800			4.500	
	GF slab							
	room	1	3.600	5.300			19.080	
	watchman room	1	3.600	3.500			12.600	
	free sp	1	3.600	2.050			7.380	
	nearstair	1	2.500	2.050			5.125	
	sun shade gf and ff							
		2*2	6.200	0.600			14.880	
	bottom	2*2	11.820	0.600			28.368	
	Total Quantity						158.765 sqm	
	Total Deducted Quantity						-4.500 sqm	
	Net Total Quantity						154.265 sqm	
	Say 154.265 sqm @ Rs 553.47 / sqm						Rs 85381.05	
8	5.9.5 Other Engineering Organisations Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers							
	plinth beam							
		4*2	5.300	0.600			25.440	
		6*2	3.600	0.600			25.920	
		3*2	2.500	0.600			9.000	
		1*2	1.800	0.600			2.160	
	gf							
	beams around	4	5.300	1.430			30.316	
		5	3.600	1.430			25.740	
		2	2.500	1.430			7.150	
	landing beab	1	2.500	0.830			2.075	
	lintel	2	48.000	0.150			14.400	
	ff							
	beams	4	3.600	1.430			20.592	

		4	5.300	1.430			30.316		
		2	2.500	1.430			7.150		
	lintel	2	46.600	0.150			13.980		
		Total Quantity					214.239 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					214.239 sqm		
		Say 214.239 sqm @ Rs 449.40 / sqm					Rs 96279.01		
9	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts								
	col GF to FF	8	1.360	3.600			39.169		
	col footing GF beam bottom	8	1.360	4.500			48.960		
		Total Quantity					88.129 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					88.129 sqm		
		Say 88.129 sqm @ Rs 613.16 / sqm					Rs 54037.18		
10	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more								
		1	(17.146+5.962+44.303)	150.0			10111.650		
		Total Quantity					10111.650 kilogram		
		Total Deducted Quantity					0.000 kilogram		
		Net Total Quantity					10111.650 kilogram		
		Say 10111.650 kilogram @ Rs 74.18 / kilogram					Rs 750082.20		
11	50.6.7.1 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.								
		below plinth beam							
	toilet	1	2.000	0.350	0.220		0.154		
		3	2.500	0.350	0.220		0.578		
		5	3.600	0.350	0.220		1.387		
		1	1.800	0.350	0.220		0.139		

		4	5.300	0.350	0.220		1.633		
	leach pit	2	2.800	0.230	1.500		1.932		
		2	1.340	0.230	1.500		0.925		
		Total Quantity					6.748 cum		
		Total Deducted Quantity					0.000 cum		
		Net Total Quantity					6.748 cum		
		Say 6.748 cum @ Rs 6215.33 / cum					Rs 41941.05		
12	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.								
	gf longitudinal	5	3.600	0.230	2.250		9.316		
		1	2.500	0.230	2.250		1.294		
	vertical	4	5.300	0.230	2.250		10.971		
	landing	1	2.500	0.230	2.000		1.151		
	toilet	1	2.000	0.230	2.250		1.036		
		1	1.800	0.230	2.250		0.932		
	step foundation	1	2.500	0.600	0.220		0.330		
		3	2.500	0.300	0.220		0.495		
	win w3	7	1.500	0.230	1.500		-3.622		
	w2	5	1.000	0.230	1.500		-1.725		
	vent v	2	0.750	0.230	0.450		-0.155		
	door D	5	1.000	0.230	2.100		-2.415		
	d1	2	0.800	0.230	2.100		-0.772		
		FF							
	Longitudinal	5	3.600	0.230	2.850		11.800		
	transverse	4	5.300	0.230	2.850		13.897		
	store room	2	2.500	0.230	2.850		3.278		
		Total Quantity					54.500 cum		
		Total Deducted Quantity					-8.689 cum		
		Net Total Quantity					45.811 cum		
		Say 45.811 cum @ Rs 6705.70 / cum					Rs 307194.82		
13	50.9.1.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed								

	and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood						
w3 hor	7*2	1.800	0.100	0.070		0.177	
vert	7*4	1.500	0.100	0.070		0.295	
w2 hor	5*2	1.300	0.100	0.070		0.091	
vert	5*3	1.000	0.100	0.070		0.106	
Vent v hor	2*2	1.050	0.100	0.070		0.030	
do vert	2*2	0.450	0.100	0.070		0.013	
D hor	5	1.300	0.100	0.070		0.046	
vert	5*2	2.100	0.100	0.070		0.148	
D1 hor	2	1.100	0.100	0.070		0.016	
vert	2*2	2.100	0.100	0.070		0.059	
	Total Quantity					0.981 cum	
	Total Deducted Quantity					0.000 cum	
	Net Total Quantity					0.981 cum	
	Say 0.981 cum @ Rs 101129.03 / cum					Rs 99207.58	
14	50.9.2.1 Providing and fixing paneled and glazed shutters for doors, windows and clerestory windows, 35 mm thick shutters including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineerin - charge.using Anjili/ Jack wood						
door D	5	0.900	2.050			9.225	
	Total Quantity					9.225 sqm	
	Total Deducted Quantity					0.000 sqm	
	Net Total Quantity					9.225 sqm	
	Say 9.225 sqm @ Rs 2828.93 / sqm					Rs 26096.88	
15	50.9.6.1 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. Using Anjili wood / jack wood 30 mm thick shutters						
w3	7*3	0.430	1.350			12.191	
w2	5*2	0.430	1.350			5.805	
V	2	0.700	0.450			0.630	
	Total Quantity					18.626 sqm	
	Total Deducted Quantity					0.000 sqm	

	Net Total Quantity						18.626 sqm	
	Say 18.626 sqm @ Rs 3282.63 / sqm						Rs 61142.27	
16	9.48.2 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc							
	W3	7*3	0.430	1.350		17.16	209.189	
	w2	5*2	0.430	1.350		17.16	99.614	
	V	2	0.700	0.400		17.16	9.610	
	grill main entrance	1	2.500	2.100		17.16	90.090	
	Total Quantity						408.503 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						408.503 kg	
	Say 408.503 kg @ Rs 147.38 / kg						Rs 60205.17	
17	9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on th inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters							
	D1	2	0.750	2.050			3.075	
	Total Quantity						3.075 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						3.075 sqm	
	Say 3.075 sqm @ Rs 3627.87 / sqm						Rs 11155.70	
18	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)							
	outside	2	6.200	(3.6+3.6)			89.280	
	back	2	10.620	(3.6+3.6)			152.928	

	inside gf	6	5.740	3.000			103.320		
		6	3.600	3.000			64.801		
	below landing	1	2.500	3.000			7.500		
	toilet all around	1	3.800	3.000			11.400		
	do landing	2	2.500	2.000			10.000		
	steps	2	2.500	0.520			2.600		
	FF								
	near stair	1	15.080	3.600			54.289		
	gen room	1	18.680	3.600			67.248		
	store	1	14.200	3.600			51.120		
	free space	1	11.200	3.600			40.320		
	w3	7	1.500	1.500			-15.750		
	w2	5	1.000	1.500			-7.500		
	v	2	0.750	0.450			-0.675		
	d	5	1.000	2.100			-10.500		
	d1	2	0.800	2.100			-3.360		
	grill	1	2.500	2.100			-5.250		
	Other Engineering Organisation						Total Quantity	654.806 sqm	
	PRICE						Total Deducted Quantity	-43.035 sqm	
	PRICE						Net Total Quantity	611.771 sqm	
	Say 611.771 sqm @ Rs 226.67 / sqm							Rs 138670.13	
19	5.23 Smooth finishing of the exposed surface of RCC work with 6mm thick cement mortar 1:3 (cement : 3 fine sand).								
	sun shade								
	GF and FF	2*2	6.200	0.700			17.360		
		2*2	11.820	0.700			33.096		
	waist slab								
	steps	18	1.250	0.475			10.688		
	side	18	1/2	0.300	0.175		0.473		
	waist slab ceiling	4	6.090	1.250			30.450		
	GF								
	room and toilet	1	3.600	5.740			20.664		

	watch man	1	3.600	3.500			12.600		
	free space	1	2.020	3.500			7.070		
	stair room	1	2.400	1.250			3.000		
	landing	1	2.500	1.800			4.500		
	generator room	1	3.600	5.740			20.664		
		1	2.020	3.500			7.070		
	store	1	3.500	3.500			12.250		
	stair	1	2.500	5.740			14.351		
	Total Quantity						194.236 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						194.236 sqm		
	Say 194.236 sqm @ Rs 188.46 / sqm						Rs 36605.72		
20	<p>11.36 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer -in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.</p>								
	Landing toilet	2	2.500	1.500			7.500		
		2	1.800	1.500			5.400		
	Room toilet	2	2.000	1.500			6.000		
		2	1.800	1.500			5.400		
	Door sides	4	0.230	1.500			1.381		
		2	0.800	1.500			-2.400		
	Total Quantity						25.681 sqm		
	Total Deducted Quantity						-2.400 sqm		
	Net Total Quantity						23.281 sqm		
	Say 23.281 sqm @ Rs 976.13 / sqm						Rs 22725.28		
21	<p>11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.</p>								
	Landing toilet	1	2.500	1.800			4.500		
	Room toilet	1	2.000	1.800			3.600		

		FF					
	Gen Room	1	3.600	5.740			20.664
		1	2.020	3.500			7.070
	Store	1	3.600	3.500			12.600
	stair room	1	1.540	2.500			3.850
		1	1.200	1.250			1.500
	skirting add 10%	1	10.390				10.390
		GF					
	Room	1	1.670	2.030			3.391
	toilet passage	1	2.000	1.400			2.800
		1	3.600	3.730			13.428
		1	3.600	3.500			12.600
		1	2.020	3.500			7.070
	watchman room	1	3.740	2.500			9.351
		1	1.540	2.500			3.850
	front step	2	2.500	0.520			2.600
	stair step	18	1.250	0.475			10.688
	stair step	18	1/2	0.175	0.300		0.473
	landing	1	2.500	1.800			4.500
Total Quantity							134.925 sqm
Total Deducted Quantity							0.000 sqm
Net Total Quantity							134.925 sqm
Say 134.925 sqm @ Rs 902.15 / sqm							Rs 121722.59
22	9.55.2 Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc, complete:100x58x1.90mm.						
	windows	102					102.000
	Vent	8					8.000
Total Quantity							110.000 no
Total Deducted Quantity							0.000 no
Net Total Quantity							110.000 no
Say 110.000 no @ Rs 35.91 / no							Rs 3950.10
23	9.63.1 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws						

	etc. complete:250x10 mm						
	Door	5	2.000				10.000
	Total Quantity						10.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						10.000 no
	Say 10.000 no @ Rs 83.88 / no						Rs 838.80
24	9.66.2 Providing and fixing ISI marked oxidised M.S. handles conforming to IS : 4992 with necessary screws etc. complete:100 mm						
	door	2	1.000				2.000
	Total Quantity						2.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						2.000 no
	Say 2.000 no @ Rs 29.69 / no						Rs 59.38
25	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer						
	vide item 18	1	611.770				611.770
	vide item 19	1	194.236				194.236
	Total Quantity						806.006 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						806.006 sqm
	Say 806.006 sqm @ Rs 48.43 / sqm						Rs 39034.87
26	13.60.1 Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work						
	vide item 25	1	806.007				806.007
	Total Quantity						806.007 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						806.007 sqm
	Say 806.007 sqm @ Rs 110.68 / sqm						Rs 89208.85
27	13.48.2 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture						

	w3	7	1.500	1.500		1.3	20.475		
	w2	5	1.000	1.500		1.3	9.750		
	v	2	0.750	0.450		1.3	0.878		
	D	5	1.000	2.100		1.3	13.650		
	Total Quantity						44.753 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						44.753 sqm		
	Say 44.753 sqm @ Rs 116.12 / sqm						Rs 5196.72		
28	13.61.1 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work								
	grill work								
	grill	1	2.500	2.100			5.250		
	window	7*3	0.430	1.350			12.191		
		5*2	0.430	1.350			5.805		
	v	2	0.550	0.400			0.441		
	Total Quantity						23.687 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						23.687 sqm		
	Say 23.687 sqm @ Rs 102.75 / sqm						Rs 2433.84		
29	17.3.1 Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid								
		1	2.000				2.000		
	Total Quantity						2.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						2.000 each		
	Say 2.000 each @ Rs 6020.57 / each						Rs 12041.14		
30	17.7.3 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps								

		1	2.000				2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 2746.10 / each						Rs 5492.20	
31	50.18.7.2.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer -in-Charge 20 mm dia 10 Kg/cm ² - Internal work - Exposed on wall							
		1	50.000				50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 169.07 / metre						Rs 8453.50	
32	50.18.7.4.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 32 mm dia 10Kg/cm ² - Internal work - Exposed on wall							
		1	50.000				50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 234.11 / metre						Rs 11705.50	
33	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend							
		1	15.000				15.000	
	Total Quantity						15.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						15.000 no	
	Say 15.000 no @ Rs 154.09 / no						Rs 2311.35	
34	18.48 Providing and placing on terrace (at all floor levels) polyethylene water storage tank :ISI 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.							
		1	1000.000				1000.000	

	Total Quantity						1000.000 Litre	
	Total Deducted Quantity						0.000 Litre	
	Net Total Quantity						1000.000 Litre	
	Say 1000.000 Litre @ Rs 9.50 / Litre						Rs 9500.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
7 Appendix G Electrical Works								
1	<p>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)</p>							
	90.14.1.2	26					26.000	
	Total Quantity						26.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						26.000 sqm	
	Say 26.000 sqm @ Rs 2377.26 / sqm						Rs 61808.76	
2	<p>90.14.4 Supply and fabrication conveyance and installation of base frame of panel board using 75 x 40 mm rolled steel channel (ISMC)</p>							
	90.14.4	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 953.58 / metre						Rs 11442.96	
3	<p>90.14.6 Supply and providing copper bus bars including finger type SMC bus bar supports in the bus chamber, suitable size nut & bolt, providng heat shrink sleeves etc. as required.</p>							
	90.14.6	7000					7000.000	
	Total Quantity						7000.000 Cum cm	
	Total Deducted Quantity						0.000 Cum cm	

	Net Total Quantity						7000.000	Cum cm
	Say 7000.000 Cum cm @ Rs 6.00 / Cum cm						Rs 42000.00	
4	90.14.7 Supply and providing copper earth bus in the panel board							
	90.14.7	1100					1100.000	
	Total Quantity						1100.000	Cum cm
	Total Deducted Quantity						0.000	Cum cm
	Net Total Quantity						1100.000	Cum cm
	Say 1100.000 Cum cm @ Rs 6.00 / Cum cm						Rs 6600.00	
5	90.14.2.1 Supply and providing 2mm SMC sheet as shrouding for bus interconnection / terminations etc. including required nut & bolt etc.							
	90.14.2.1	2					2.000	
	Total Quantity						2.000	sqm
	Total Deducted Quantity						0.000	sqm
	Net Total Quantity						2.000	sqm
	Say 2.000 sqm @ Rs 3091.77 / sqm						Rs 6183.54	
6	90.14.3.1 Supply and providing heavy duty 'A' section neoprene gasket in the panel board 'A' section neoprene bedding suitable for 1.60/ 2.00 mm sheet							
	90.14.3.1	40					40.000	
	Total Quantity						40.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						40.000	metre
	Say 40.000 metre @ Rs 46.31 / metre						Rs 1852.40	
7	od136031/2019_2020 Supply and installation of digital multi function meter (V,A,F) in the existing panel board and giving connection							
	od136031/2019_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 1797.32 / each						Rs 3594.64	
8	od136050/2019_2020 Supply and installation of LED indicator (R,Y,B) in the existing panel board and giving connection							

	od136050/2019_2020	12					12.000	
	Total Quantity						12.000 Day	
	Total Deducted Quantity						0.000 Day	
	Net Total Quantity						12.000 Day	
	Say 12.000 Day @ Rs 194.23 / Day						Rs 2330.76	
9	od136061/2019_2020 Supply and fixing 100/5A, 5VA , resin cast metering CT of 0.5 class accuracy.							
	od136061/2019_2020	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 889.72 / each						Rs 5338.32	
10	od152099/2019_2020 Supply and fixing 2A 'C' curve SPMCB in the existing panel board and giving connection.							
	od152099/2019_2020	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 262.85 / each						Rs 3154.20	
11	90.14.10.11 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.125A, 35/36 kA (Ics=100%Icu), 4 pole, current limiting type MCCB with microprocessor based release with overload setting of 50 - 100% having adjustable OL & SC							
	90.14.10.11	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 17713.50 / no						Rs 70854.00	
12	90.14.10.3 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, 16 kA (Ics=100%Icu), 4 pole, current limiting type MCCB having thermal setting range of 80 - 100% with thermal magnetic release having adjustable OL							
	90.14.10.3	3					3.000	
	Total Quantity						3.000 no	

	Total Deducted Quantity						0.000 no
	Net Total Quantity						3.000 no
	Say 3.000 no @ Rs 4615.50 / no						Rs 13846.50
13	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	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 1167.74 / each						Rs 14012.88
14	90.14.11.17 MCCB Accessories Supply and fixing kastel interlock kit up to 250A.						
	90.14.11.17	2					2.000
	Total Quantity						2.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						2.000 no
	Say 2.000 no @ Rs 3020.65 / no						Rs 6041.30
15	90.14.11.13 MCCB Accessories Supply and fixing rotary handle, External type (including BUC handle with door interlock) in the existing MCCB of rating up to 250 A						
	90.14.11.13	7					7.000
	Total Quantity						7.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						7.000 no
	Say 7.000 no @ Rs 1855.20 / no						Rs 12986.40
16	90.14.11.2 MCCB Accessories Supply and fixing one number earth fault Relay up to 125A to 200A with CBCT.						
	90.14.11.2	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 3503.52 / no						Rs 3503.52
17	90.14.11.5						

	MCCB Accessories Supply and fixing 100 - 200A earth fault module of MCCB with builtin CBCT.						
	90.14.11.5	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 4685.52 / no						Rs 4685.52
18	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
19	2.13.2 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 amps						
	2.13.2	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 888.59 / each						Rs 888.59
20	2.15.3 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliampere in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 amps						
	2.15.3	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 3017.00 / each						Rs 3017.00
21	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
22	90.12.41.33 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured copper power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp						
	90.12.41.33	1200					1200.000
	Total Quantity						1200.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						1200.000 metre
	Say 1200.000 metre @ Rs 626.32 / metre						Rs 751584.00
23	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	15					15.000
	Total Quantity						15.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						15.000 metre
	Say 15.000 metre @ Rs 363.45 / metre						Rs 5451.75
24	90.12.41.23 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured copper power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3.5 core 70 sq mm						
	90.12.41.23	5					5.000
	Total Quantity						5.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						5.000 metre
	Say 5.000 metre @ Rs 3073.21 / metre						Rs 15366.05

25	9.1.21	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 35 sq. mm (32mm)					
	9.1.21	4					4.000
	Total Quantity						4.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						4.000 set
	Say 4.000 set @ Rs 369.59 / set						Rs 1478.36
26	9.1.23	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 70 sq. mm (38mm)					
	9.1.23	2					2.000
	Total Quantity						2.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						2.000 set
	Say 2.000 set @ Rs 516.38 / set						Rs 1032.76
27	9.1.32	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)					
	9.1.32	30					30.000
	Total Quantity						30.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						30.000 set
	Say 30.000 set @ Rs 266.05 / set						Rs 7981.50
28	4.1.2	Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.150 mm width X 50 mm depth X 1.6 mm thickness					
	4.1.2	75					75.000
	Total Quantity						75.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						75.000 metre
	Say 75.000 metre @ Rs 515.07 / metre						Rs 38630.25

29	4.1.4	Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 300 mm width X 50 mm depth X 1.6 mm thickness					
	4.1.4	75					75.000
	Total Quantity						75.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						75.000 metre
	Say 75.000 metre @ Rs 689.38 / metre						Rs 51703.50
30	5.3	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt) as required.					
	5.3	5					5.000
	Total Quantity						5.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						5.000 set
	Say 5.000 set @ Rs 4695.88 / set						Rs 23479.40
31	5.13	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.					
	5.13	75					75.000
	Total Quantity						75.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						75.000 metre
	Say 75.000 metre @ Rs 238.53 / metre						Rs 17889.75
32	5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.					
	5.17	200					200.000
	Total Quantity						200.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						200.000 metre
	Say 200.000 metre @ Rs 114.02 / metre						Rs 22804.00
33	5.15						

	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.						
5.15	300						300.000
	Total Quantity						300.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						300.000 metre
	Say 300.000 metre @ Rs 169.07 / metre						Rs 50721.00
34	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group C						
1.10.3	5						5.000
	Total Quantity						5.000 point
	Total Deducted Quantity						0.000 point
	Net Total Quantity						5.000 point
	Say 5.000 point @ Rs 992.12 / point						Rs 4960.60
35	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2x1.5 sq.mm + 1x1.5 sq.mm earth wire						
1.14.1	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 146.79 / metre						Rs 1467.90
36	1.31 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or inrecess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 ampsmodular switch, connection etc. as required. (For light plugs to be used in non residentialbuildings).						
1.31	1						1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 410.22 / each						Rs 410.22
37	1.32 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess,						

	including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.						
	1.32	1					0.000
	Total Quantity						0.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						0.000 each
	Say 0.000 each @ Rs 532.10 / each						Rs 0.00
38	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
39	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
40	90.15.3.1 Supply installation testing commissioning of Octogaonal Pole made of hot dip galvanised GI sheet 70mm top diameter, 130mm bottom diameter thickness 3mm base plate dimensions of 200x200x12mm suitable for wind speed as per IS 875 Part III single arm bracket 0.5mt including connector foundation bolt 4 nos fixed in existing RCC foundation and junctions box etc. complete 5 Meters						
	90.15.3.1	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 18133.70 / each						Rs 217604.40

41	90.15.3.5 Supply installation testing and commissioning of Octogaonal Pole made of hot dip galvanised GI sheet 70 mm top diameter, 130 mm bottom diameter thickness 3mm base plate dimensions of 200x200x12 mm suitable for wind speed as per IS 875 Part III single arm bracket 0.5mt including connector foundation bolt 4 nos fixed in existing RCC foundation and junction box etc. complete 7 Meters						
	90.15.3.5	16					16.000
	Total Quantity						16.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						16.000 each
	Say 16.000 each @ Rs 23200.70 / each						Rs 371211.20
42	90.15.4.2 Supply Conveyance, installation, testing and commissioning of 36/40W LED street light output greater than 105lumen/W 4000-6000 K with IP 66 protection LED Chip make Cree/Lumiled/Nichea with power factor greater than 0.95 at full load, internal surge protection up to 8 KV, and Aluminium pressure die-cast Powder coated housing, acrylic cover complete with THD less than 10%, power factor greater than 0.98, RoHS compliant, duly wired up for use on 230 V AC supply. Driver compartment should be seperatly accessible for maintenance (LM 79&80 certificates from NABL accredited Third party lab to be produced mentioning chip manufacturer)						
	90.15.4.2	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 4519.17 / each						Rs 54230.04
43	od160112/2019_2020 Supply, installation, testing and commissioning of Solar LED lighting System with following accessories. (a) luminaire :- 1No 45W LED IP 65 street light luminaire with epoxy powder coated pressure die cast alu. housing with weather proof gasket and heat resistant toughened glass cover, 100ah lithium battery, 250W solar panel, battery box, charge controller with auto switch built in for dusk to dawn operation having protection against short circuit & lightning with mounting bracket suitable to fix on tubular pole						
	od160112/2019_2020	16					16.000
	Total Quantity						16.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						16.000 each
	Say 16.000 each @ Rs 54087.63 / each						Rs 865402.08
44	od160113/2019_2020 Supply and fixing 100A TPN SDF in sheet steel enclosure on wall using suitable steel fastners.						
	od160113/2019_2020	1					1.000
	Total Quantity						1.000 each

	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 5430.36 / each						Rs 5430.36	
45	od160213/2019_2020 100A HRC fuse fuse base with fuse link 							
	od160213/2019_2020	3					3.000	
	Total Quantity						3.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						3.000	each
	Say 3.000 each @ Rs 543.24 / each						Rs 1629.72	
46	od160229/2019_2020 100 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.							
	od160229/2019_2020	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 340.82 / each						Rs 340.82	
47	od160246/2019_2020 Supply & installation of dust and vermin proof, 3 Phase Syntex Meter Board GS-MB-6535(size 760x450x260x) and to fix KSEB meters, fuse units, CT etc as required including fixing it on wall, making good the damages colour washing etc. as required.							
	od160246/2019_2020	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 4773.93 / each						Rs 4773.93	
48	od161047/2019_2020 Supply, conveyance, installation, testing and commissioning of 40KVA/32KW D.G. set incorporating "CUMINS" Model X3.TAA-G2 Diesel Engine developing 56BHP at 1500rpm, Water cooled, 4cylinders, Coupled, ALternator rated at 32kw/40KVA, 415V, 50Hz, 0.8 P, mounted on a chanel iron base frame complete with fuel tank, Battery, Manuel control panel and other standard accessories with suitable CPCB approved factory assembled Acoustic enclosure. 							
	od161047/2019_2020	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each

	Say 1.000 each @ Rs 495075.00 / each						Rs 495075.00	
49	od161049/2019_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							
	od161049/2019_2020	5					5.000	
	Total Quantity						5.000 per metre	
	Total Deducted Quantity						0.000 per metre	
	Net Total Quantity						5.000 per metre	
	Say 5.000 per metre @ Rs 1169.65 / per metre						Rs 5848.25	
50	od161050/2019_2020 Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required							
	od161050/2019_2020	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 181.19 / each						Rs 362.38	
51	od165395/2019_2020 Supply and providing 2.5mm thick, 11KV grade, synthetic elastometric fire retardant insulating sheet							
	od165395/2019_2020	6					6.000	
	Total Quantity						6.000 sqm of door area	
	Total Deducted Quantity						0.000 sqm of door area	
	Net Total Quantity						6.000 sqm of door area	
	Say 6.000 sqm of door area @ Rs 1669.07 / sqm of door area						Rs 10014.42	
52	od165396/2019_2020 Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hose and clamps including fixing it to wall as required							
	od165396/2019_2020	2					2.000	
	Total Quantity						2.000 each	

							Total Deducted Quantity	0.000 each
							Net Total Quantity	2.000 each
							Say 2.000 each @ Rs 2727.80 / each	Rs 5455.60
53	od165397/2019_2020 Supply of 11KV electrical gloves (Vidyut)							
	od165397/2019_2020	2					2.000	
							Total Quantity	2.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	2.000 each
							Say 2.000 each @ Rs 579.59 / each	Rs 1159.18
54	od165398/2019_2020 Supply of Bosch professional tool kit (GSB550)							
	od165398/2019_2020	1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 5517.13 / each	Rs 5517.13
SI No	Description	No	L	B	D	CF	Quantity	Remark
8 Appendix - H Mechanical works - PART A-Regular gates								
1	85.101 Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges							
Type - 1 (12.69 x 3.5) 10 nos primary embedded parts								
	Plate for side guide and roller track	60*10	0.150	0.100	10.000	7.85	706.500	
	Plate for sill beam	26*10	0.230	0.100	10.000	7.85	469.431	
	Plate for side seal and roller track	74*10	0.100	0.100	10.000	7.85	580.901	
Type - 2 (7.69 x 3.65) 2 nos primary embedded parts								
	Plate for side guide and roller track	60*2	0.150	0.100	10.000	7.85	141.300	
	Plate for sill beam	16*2	0.230	0.100	10.000	7.85	57.776	
	Plate for side seal and roller track	74*2	0.100	0.100	10.000	7.85	116.181	
Dogging beam Type - 2(7.69 x 3.65)								

	Dogging beam base plate 12mm plate	4*2	0.400	0.400	12.000	7.85	120.577		
	Dogging beam type - 1(12.69 x 3.65)								
	Dogging beam base plate 12mm plate	4*10	0.400	0.400	12.000	7.85	602.881		
	Type - 2 (7.69 x 3.65) 2 nos secondary embedded parts								
	Sill base plate	16*2	0.230	0.100	10.000	7.85	57.776		
	Rib plate sill beam	30*2	0.200	0.047	8.000	7.85	35.420		
	End plate sill beam	4*2	0.140	0.200	8.000	7.85	14.068		
	End plate seal end - 1	2*2	0.500	0.100	8.000	7.85	12.560		
	End plate seal end - 2	2*2	0.150	0.100	8.000	7.85	3.768		
	Roller track flange	4*2	7.500	0.200	16.000	7.85	1507.200		
	Roller track web	2*2	7.500	0.200	16.000	7.85	753.600		
	Rib roller track web - 1	14*2	0.200	0.090	8.000	7.85	31.652		
	Rib roller track web - 1	14*2	0.200	0.090	8.000	7.85	31.652		
	Side guide plate	2*2	7.500	0.120	20.000	7.85	565.200		
	Side guide base plate	30*2	0.150	0.100	8.000	7.85	56.520		
	Side seal seat plate	30*2	0.475	0.100	8.000	7.85	178.980		
	Type - 1 (12.69 x 3.5) 10 nos secondary embedded parts								
	Sill base plate	26*10	0.230	0.100	10.000	7.85	469.431		
	Rib plate sill beam	50*10	0.200	0.047	8.000	7.85	295.160		
	End plate sill beam	4*10	0.140	0.200	8.000	7.85	70.336		
	End plate seal end - 1	2*10	0.500	0.100	8.000	7.85	62.800		
	End plate seal end - 2	2*10	0.150	0.100	8.000	7.85	18.840		
	Roller track flange	4*10	7.500	0.200	20.000	7.85	9420.000		
	Roller track web	2*10	7.500	0.200	20.000	7.85	4710.000		
	Rib roller I track web - 1	14*10	0.200	0.090	8.000	7.85	158.256		
	Rib roller track web - 2	14*10	0.200	0.090	8.000	7.85	158.256		
	Side guide plate	2*10	7.500	0.120	20.000	7.85	2826.000		
	Side guide base plate	30*10	0.150	0.100	8.000	7.85	282.600		
	Side seal seat plate	30*10	0.475	0.100	8.000	7.85	894.900		
	Total Quantity						25410.522 kg		
	Total Deducted Quantity						0.000 kg		

	Net Total Quantity						25410.522 kg	
	Say 25410.522 kg @ Rs 64.18 / kg						Rs 1630847.30	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	Type - 1(12.69 x 3.65) primary and secondary embedded parts							
	Sill beam ISMB - 200 X 100	1*10	12.900			25.4	3276.600	
	ISA for sill ISA 75 X 75 X 8	2*10	0.115			8.9	20.471	
	ISA for roller track ISA 75 X 75 X 8	14*10	0.080			8.9	99.680	
	ISA for side seal 130 X 130 X 10	2*10	7.500			19.7	2955.000	
	Sill beam ISMB - 200 X 100	1*2	7.900			25.4	401.320	
	ISA for sill ISA 75 X 75 X 8	2*2	0.115			8.9	4.095	
	ISA for roller track ISA 75 X 75 X 8	14*2	0.080			8.9	19.937	
	ISA for side seal 130 X 130 X 10	2*2	7.500			19.7	591.000	
	Total Quantity						7368.103 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						7368.103 kg	
	Say 7368.103 kg @ Rs 66.13 / kg						Rs 487252.65	
3	85.107 Supply of MS round bar including cost of conveyance charges							
	Type - 2 (7.69 x 3.65M) primary and secondary embedded parts							
	Anchoring rods - sill beam ISRO 16mm	32*2	0.295			1.58	29.831	
	Anchoring rods - Roller track ISRO - 16mm	74*2	0.295			1.58	68.983	
	Anchoring rods - side guide ISRO 16mm	60*2	0.295			1.58	55.932	

	Anchoring rods - side seal seat ISRO 16mm	60*2	0.295			1.58	55.932		
	Type - 1 (12.69 x 3.65M) primary and secondary embedded parts								
	Anchoring rods - sill beam ISRO 16mm	52*10	0.295			1.58	242.372		
	Anchoring rods - roller track ISRO 16mm	74*10	0.295			1.58	344.914		
	Anchoring rods - side guide ISRO 16mm	60*10	0.295			1.58	279.660		
	Anchoring rods - side seal seat ISRO 16mm	60*10	0.295			1.58	279.660		
	Dogging beam type - 1 (12.69 x 3.65)								
	16mm MS Rod	16*10	0.350			1.58	88.480		
	16mm MS Rod	4*10	0.305			1.58	19.276		
	Dogging beam type - 2 (7.69 x 3.65)								
	16mm MS Rod	16*2	0.350			1.58	17.696		
	16mm MS Rod	4*2	0.305			1.58	3.856		
	Total Quantity						1486.592 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						1486.592 kg		
	Say 1486.592 kg @ Rs 64.18 / kg						Rs 95409.47		
4	od150585/2019_2020 Supply of MS Bolts and Nuts								
	Type - 2 (7.69 x 3.65) Nuts and Bolts								
	Nut and bolt M16 x 60mm W/2 nuts	4*2				0.15	1.216		
	Nut and bolt M16 x 130mm W/2 nuts	32*2				0.26	16.832		
	Nut and bolt M16 x 145mm W/2 nuts	14*2				0.28	7.813		
	Nut and bolt M16 x 160mm W/2 nuts	60*2				0.31	37.200		
	Nut and bolt M16 x 110mm W/2 nuts	60*2				0.23	27.600		
	Nut and bolt M16 x 330mm W/2 nuts	30*2				0.57	34.080		

	Nut and bolt M16 x 125mm W/2 nuts	30*2				0.25	14.760		
	M16 Washer	460*2				0.01	9.201		
	Type - 1 (12.69 x 3.65) nuts and bolts								
	Nut and bolt M16 x 60mm W/2 nuts	4*10				0.15	6.080		
	Nut and bolt M16 x 130mm W/2 nuts	52*10				0.26	136.761		
	Nut and bolt M16 x 145mm W/2 nuts	14*10				0.28	39.060		
	Nut and bolt M16 x 160mm W/2 nuts	60*10				0.31	186.000		
	Nut and bolt M16 x 110mm W/2 nuts	60*10				0.23	138.000		
	Nut and bolt M16 x 330mm W/2 nuts	30*10				0.57	170.400		
	Nut and bolt M16 x 125mm W/2 nuts	30*10				0.25	73.800		
	M16 Washer	500*10				0.01	50.000		
	Total Quantity						948.803 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						948.803 kg		
	Say 948.803 kg @ Rs 77.77 / kg						Rs 73788.41		
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't officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied								
	Dogging beam Type - 2(7.69 x 3.65)								
	16mm MS Rod	16*2	0.350			1.58	17.696		
	16mm MS Rod	4*2	0.305			1.58	3.856		
	Dogging beam Type - 1 (12.69 x 3.65)								
	16mm MS Rod	16*10	0.350			1.58	88.480		
	16mm MS Rod	4*10	0.305			1.58	19.276		
	Type - 1 (12.69 x 3.65M) primary and secondary embedded parts								
	Anchoring rods - sill beam ISRO 16 mm	52*10	0.295			1.58	242.372		

Anchoring rods - roller track ISRO 16 mm	74*10	0.295			1.58	344.914	
Anchoring rods - side guide ISRO 16mm	60*10	0.295			1.58	279.660	
Anchoring rods - side seal seat ISRO 16mm	60*10	0.295			1.58	279.660	
Type - 2(7.69 x 3.65M) primary and secondary embedded parts							
Anchoring rods - sill beam ISRO 16mm	32*2	0.295			1.58	29.831	
Anchoring rods - roller track ISRO 16mm	74*2	0.295			1.58	68.983	
Anchoring rods - side guide ISRO 16mm	60*2	0.295			1.58	55.932	
Anchoring rods - side seal seat ISRO 16mm	60*2	0.295			1.58	55.932	
Type - 2 (7.69 x 3.65) primary and secondary embedded parts							
Sill beam ISMB - 200 X 100	1*2	7.900			25.4	401.320	
ISA for sill ISA 75 X 75 X 8	2*2	0.115			8.9	4.095	
ISA for roller track - ISA 75 X 75 X 8	14*2	0.080			8.9	19.937	
ISA for side seal 130 X 130 X 10	2*2	7.500			19.7	591.000	
Type - 1 (12.69 x 3.65) primary and secondary embedded parts							
Sill beam ISMB - 200 X 100	1*10	12.900			25.4	3276.600	
ISA for sill ISA 75 X 75 X 8	2*10	0.115			8.9	20.471	
ISA for roller track ISA 75 X 75 X 8	14*10	0.080			8.9	99.680	
ISA for side seal 130 X 130 X 10	2*10	7.500			19.7	2955.000	
Type - 1 (12.69 x 3.5) 10 nos secondary embedded parts							
Sill base plate	26*10	0.230	0.100	10.000	7.85	469.431	
Rib plate sill beam	50*10	0.200	0.047	8.000	7.85	295.160	
End plate sill beam	4*10	0.140	0.200	8.000	7.85	70.336	

End plate seal end - 1	2*10	0.500	0.100	8.000	7.85	62.800	
End plate seal end - 2	2*10	0.150	0.100	8.000	7.85	18.840	
Roller track flange	4*10	7.500	0.200	20.000	7.85	9420.000	
Roller track web	2*10	7.500	0.200	20.000	7.85	4710.000	
Rib roller I track web - 1	14*10	0.200	0.090	8.000	7.85	158.256	
Rib roller track web - 2	14*10	0.200	0.090	8.000	7.85	158.256	
Side guide plate	2*10	7.500	0.120	20.000	7.85	2826.000	
Side guide base plate	30*10	0.150	0.100	8.000	7.85	282.600	
Side seal seat plate	30*10	0.475	0.100	8.000	7.85	894.900	
Type - 2 (7.69 x 3.65) 2 nos secondary embedded parts							
Sill base plate	16*2	0.230	0.100	10.000	7.85	57.776	
Rib plate sill beam	30*2	0.200	0.047	8.000	7.85	35.420	
End plate sill beam	4*2	0.140	0.200	8.000	7.85	14.068	
End plate seal end - 1	2*2	0.500	0.100	8.000	7.85	12.560	
End plate seal end - 2	2*2	0.150	0.100	8.000	7.85	3.768	
Roller track flange	4*2	7.500	0.200	16.000	7.85	1507.200	
Roller track web	2*2	7.500	0.200	16.000	7.85	753.600	
Rib roller track web - 1	14*2	0.200	0.090	8.000	7.85	31.652	
Rib roller track web - 2	14*2	0.200	0.090	8.000	7.85	31.652	
Side guide plate	2*2	7.500	0.120	20.000	7.85	565.200	
Side guide base plate	30*2	0.150	0.100	8.000	7.85	56.520	
Side seal seat plate	30*2	0.475	0.100	8.000	7.85	178.980	
Dogging beam Type - 1 (12.69 x 3.65)							
Dogging beam base plate 12mm plate	4*10	0.400	0.400	12.000	7.85	602.881	
Dogging beam Type - 2 (7.69 x 3.65)							
Dogging beam base plate 12mm plate	4*2	0.400	0.400	12.000	7.85	120.577	
Type - 2 (7.69 x 3.65) 2 nos primary embedded parts							
Plate for side guide and roller track	60*2	0.150	0.100	10.000	7.85	141.300	
Plate for sill beam	16*2	0.230	0.100	10.000	7.85	57.776	

	Plate for side seal and roller track	74*2	0.100	0.100	10.000	7.85	116.181		
	Type - 1 (12.69 x 3.5) 10 nos primary embedded parts								
	Plate for side guide and roller track	60*10	0.150	0.100	10.000	7.85	706.500		
	Plate for sill beam	26*10	0.230	0.100	10.000	7.85	469.431		
	Plate for side seal and roller track	74*10	0.100	0.100	10.000	7.85	580.901		
	Total Quantity						34265.217 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						34265.217 kg		
	Say 34265.217 kg @ Rs 75.59 / kg						Rs 2590107.75		
6	od150589/2019_2020 Fabrication, supply, erection and assembling in correct position and alignment by welding SS Embedded parts in 304L Grade like roller track, seal track, seal seat etc as per approved specifications, drawings and directions of deptl officer at site including cost of all materials, labour, machinery for planing, welding, shearing, grinding etc, lead and lift, conveyance, incidental and handling etc complete Rate analysis SS Embedded parts 2.6Qtl								
	Type - 2 (7.69 x 3.65) SS Embedded parts								
	Sill beam pad SS plate 120 X 8mm	1*2	7.800	0.120	8.000	7.9	118.311		
	Roller track SS plate 120 X 12mm	2*2	7.400	0.120	12.000	7.9	336.730		
	Side seal seat SS plate 80 X 8mm	2*2	7.400	0.080	8.000	7.9	149.658		
	Type - 1 (12.69 x 3.65) SS Embedded parts								
	Sill beam pad SS plate 120 X 8mm	1*10	12.800	0.120	8.000	7.9	970.752		
	Roller track SS pad 120 X 12mm	2*10	7.400	0.120	12.000	7.9	1683.649		
	Side seal seat SS plate 80 X 8mm	2*10	7.400	0.080	8.000	7.9	748.289		
	Total Quantity						4007.389 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						4007.389 kg		
	Say 4007.389 kg @ Rs 502.09 / kg						Rs 2012069.94		
SI No	Description	No	L	B	D	CF	Quantity	Remark	

9 H1 -Supply of materials, fabrication, painting and erection of 12 No of MS shutter.									
1	85.101	Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
		Dogging beam Type - 2 (7.69 x 3.65)							
	Cross plate - 16mm plate	4*2	1.450	0.120	16.000	7.85	174.836		
	Longitudinal plate - 16mm plate	4*2	1.450	0.200	16.000	7.85	291.392		
	Side plate - 16mm plate	4*2	0.220	0.100	16.000	7.85	22.106		
	Stiffener plate - 12mm plate	12*2	0.200	0.088	12.000	7.85	39.791		
		Dogging beam Type - 1 (12.69 x 3.65)							
	Cross plate - 16mm plate	4*10	1.450	0.120	16.000	7.85	874.176		
	Longitudinal plate - 16mm plate	4*10	1.450	0.200	16.000	7.85	1456.960		
	Side plate - 16mm plate	4*10	0.220	0.100	16.000	7.85	110.528		
	Stiffener plate - 12mm plate	12*10	0.200	0.088	12.000	7.85	198.951		
		Type - 2 (7.69 x 3.65 M) shutter							
	Skin plate 10mm plate	1*2	7.690	3.650	10.000	7.85	4406.755		
	End box plate 12mm plate	4*2	3.650	0.510	12.000	7.85	1402.827		
	Stiffener plate roller 8mm plate	4*2	0.210	0.140	8.000	7.85	14.771		
	Roller support plate - 1, 8mm plate	4*2	0.200	0.200	8.000	7.85	20.097		
	Roller index plate -2 Dia 180 X 20mm plate	4*2	0.180	0.180	20.000	7.85	40.695		
	Roller support plate - 3, 8mm plate	4*2	0.200	0.200	8.000	7.85	20.097		
	Roller locking plate - 1, 10mm plate	4*2	0.200	0.100	10.000	7.85	12.561		
	End box stiffener plate 8mm plate	14*2	0.510	0.140	8.000	7.85	125.550		

Horizontal girder web 10mm plate	2*2	7.336	0.750	10.000	7.85	1727.629	
Horizontal girder flange 12mm plate	2*2	7.452	0.200	12.000	7.85	561.583	
Full depth stiffener web - 1, 8mm plate	1*2	1.419	0.750	8.000	7.85	133.670	
Full depth stiffener web - 2, 8mm plate	1*2	1.690	0.750	8.000	7.85	159.198	
Full depth stiffener web - 3, 8mm plate	3*2	0.495	0.750	8.000	7.85	139.887	
Full depth stiffener flange - 4, 8mm plate	2*2	1.680	0.750	8.000	7.85	316.512	
Vertical stiffener - 1, 10mm plate	14*2	1.419	0.150	10.000	7.85	467.845	
Vertical stiffener - 2, 10mm plate	14*2	1.690	0.150	10.000	7.85	557.193	
Vertical stiffener - 3, 10mm plate	14*2	0.495	0.150	10.000	7.85	163.202	
Vertical stiffener flange middle - 10mm plate	3*2	1.500	0.150	10.000	7.85	105.975	
Vertical seal seat - 20mm plate	2*2	3.565	0.150	20.000	7.85	335.823	
Seal seat vertical bottom 10mm plate	2*2	0.105	0.090	10.000	7.85	2.968	
Seal clamp Horizontal 10mm plate	1*2	6.746	0.080	10.000	7.85	84.730	
Seal guard 20mm plate	1*2	6.746	0.020	20.000	7.85	42.365	
Side guide plate - 1, 12mm plate	4*2	0.200	0.200	12.000	7.85	30.145	
Side guide shoe 10mm plate	8*2	0.210	0.075	10.000	7.85	19.782	
Side guide plate - 2, 30mm plate	4*2	0.116	0.053	30.000	7.85	11.583	
Guide shoe - 2 - 40mm plate	4*2	0.150	0.040	40.000	7.85	15.072	
Lifting bracket base	2*2	0.750	0.500	10.000	7.85	117.750	

Lifting bracket cover	2*2	0.325	0.110	3.000	7.85	3.368	
Lifting bracket - 1 - 10mm plate	8*2	0.160	0.050	10.000	7.85	10.048	
Spacer OD - 185, ID92 thk - 8mm	4*2	0.185	0.185	8.000	7.85	17.195	
Lifting bracket - 2 - 16mm plate	4*2	1.725	0.300	16.000	7.85	519.984	
Lifting bracket - 3 - 8mm plate	4*2	1.419	0.130	8.000	7.85	92.678	
Lifting bracket - 4 - 10mm plate	4*2	1.419	0.480	8.000	7.85	342.195	
Type - 1 (12.69 x 3.65M) shutter							
Skin plate 10mm plate	1*10	12.690	3.650	10.000	7.85	36360.023	
End box plate 12mm plate	4*10	3.650	0.510	12.000	7.85	7014.132	
Stiffener plate roller 8mm plate	4*10	0.210	0.140	8.000	7.85	73.853	
Roller support plate - 1 - 8mm plate	4*10	0.200	0.200	8.000	7.85	100.481	
Roller support plate - 2, Dia 180 X 20mm plate	4*10	0.180	0.180	20.000	7.85	203.472	
Roller support plate - 3 - 8mm plate	4*10	0.200	0.200	8.000	7.85	100.481	
Roller support plate - 1 - 10mm plate	4*10	0.200	0.100	10.000	7.85	62.801	
End box stiffener plate - 8mm plate	14*10	0.510	0.140	8.000	7.85	627.749	
Horizontal girder web 10mm plate	2*10	12.336	1.050	10.000	7.85	20335.896	
Horizontal girder flange 12mm plate	2*10	9.000	0.180	12.000	7.85	3052.080	
Horizontal girder flange 1 - 12mm plate	2*10	12.632	0.200	12.000	7.85	4759.738	
Horizontal girder flange 2 - 12mm plate	2*10	12.336	0.200	12.000	7.85	4648.205	
Web stiffener 8mm plate	18*10	0.912	0.090	8.000	7.85	927.833	

	Pad plate web 8mm plate	6*10	0.912	0.175	8.000	7.85	601.373		
	Full depth stiffener web 1 - 8mm plate	3*10	1.062	1.419	8.000	7.85	2839.147		
	Full depth stiffener web 2 - 8mm plate	3*10	1.062	1.690	8.000	7.85	3381.366		
	Full depth stiffener web 3 - 8mm plate	5*10	1.062	0.495	8.000	7.85	1650.667		
	Full depth stiffener web 4 - 8mm plate	2*10	1.062	1.680	8.000	7.85	2240.905		
	Vertical stiffener 1 - 10mm plate	22*10	1.419	0.150	10.000	7.85	3675.920		
	Vertical stiffener 2 - 10mm plate	22*10	1.690	0.150	10.000	7.85	4377.945		
	Vertical stiffener 3 - 10mm plate	22*10	0.495	0.150	10.000	7.85	1282.298		
	Full depth stiffener flange 10mm plate	3*10	1.415	0.150	10.000	7.85	499.849		
	Vertical seal seat - 20mm plate	2*10	3.545	0.105	20.000	7.85	1168.787		
	Seal seat vertical bottom 10mm plate	2*10	0.105	0.090	10.000	7.85	14.837		
	Seal clamp Horizontal 10mm plate	1*10	11.746	0.080	10.000	7.85	737.649		
	Seal guard 20mm plate	1*10	11.746	0.020	20.000	7.85	368.825		
	Side guide plate 1 - 12mm plate	4*10	0.200	0.200	12.000	7.85	150.721		
	Side guide shoe 10mm plate	8*10	0.210	0.075	10.000	7.85	98.910		
	Side guide plate - 2, 30mm plate	4*10	0.116	0.053	30.000	7.85	57.915		
	Guide shoe - 2 - 40mm plate	4*10	0.150	0.040	40.000	7.85	75.360		
	Total Quantity						116679.691 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						116679.691 kg		
	Say 116679.691 kg @ Rs 64.18 / kg						Rs 7488502.57		

2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Type - 1 shutter (12.69 x 3.5)								
	Bracing top ISMC 150 X 75	1*10	12.336			16.4	2023.104		
	Bracing angle top ISA 75 X 75 X 8	4*10	1.613			8.9	574.228		
	Bracing angle middle ISA 75 X 75 X 8	4*10	1.690			8.9	601.640		
	Side seal clamp ISA 75 X 75 X 8	2*10	3.650			8.9	649.700		
	Type - 2 shutter (7.69 x 3.5)								
	Bracing top ISMC 150 X 75	1*2	7.336			16.4	240.621		
	Side seal clamp ISA 75 X 75 X 8	2*2	3.650			8.9	129.940		
	Dogging beam Type - 1 (12.69 x 3.65)								
	Locking angle ISA 75 X 75 X 8	8*10	0.232			8.9	165.185		
	Dogging beam Type - 2 (7.69 x 3.65)								
	Locking angle ISA 75 X 75 X 8	8*2	0.232			8.9	33.037		
	Total Quantity						4417.455 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						4417.455 kg		
	Say 4417.455 kg @ Rs 66.13 / kg						Rs 292126.30		
3	od150593/2019_2020 Cost of MS Bolts & Nuts								
	Type - 2 (7.69 x 3.65M) shutter								
	M 16 X 50 hex.bolt	28*2				0.11	6.048		
	M 16 X 40 hex.bolt	16*2				0.09	2.976		
	M 16 X 80 hex.bolt with nut	86*2				0.18	31.304		
	M 16 X 90 hex.bolt with nut	100*2				0.2	39.600		

	M 16 X 40 hex.bolt with nut	16*2				0.09	2.976		
	Washer	246*2				0.01	4.920		
	Type - 1 (12.69 x 3.65M) shutter								
	M 16 X 50 hex.bolt	28*10				0.11	30.240		
	M 16 X 40 hex.bolt	16*10				0.09	14.880		
	M 16 X 80 hex.bolt with nut	86*10				0.18	156.520		
	M 16 X 90 hex.bolt with nut	156*10				0.2	308.880		
	M 16 X 40 hex.bolt	16*10				0.09	14.880		
	Washer	302*10				0.01	30.200		
	Total Quantity						643.424 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						643.424 kg		
	Say 643.424 kg @ Rs 77.77 / kg						Rs 50039.08		
4	od150595/2019_2020 Supply and stacking of dia 8 mm SS-304 chain, including cost of materials, conveyance etc. complete 								
	Other Engineering Organisations Dogging beam chain								
	Type - 1 - 8mm SS chain	2*10	2.000				40.000		
	Type - 2 - 8mm SS chain	2*2	2.000				8.000		
	Total Quantity						48.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						48.000 metre		
	Say 48.000 metre @ Rs 764.27 / metre						Rs 36684.96		
5	85.110 Fabrication and supply of Structural steel wheel gate and accessories as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied								
	Dogging beam Type - 2(7.69 x 3.65)								
	Locking angle ISA 75 X 75 X 8	8*2	0.232			8.9	33.037		
	Dogging beam Type - 1 (12.69 x 3.65)								

Locking angle ISA 75 X 75 X 8	8*10	0.232			8.9	165.185	
Type - 2 shutter (7.69 x 3.5)							
Bracing top ISMC 150 X 75	1*2	7.336			16.4	240.621	
Side seal clamp ISA 75 X 75 X 8	2*2	3.650			8.9	129.940	
Type - 1 shutter (12.69 x 3.5)							
Bracing top ISMC 150 X 75	1*10	12.336			16.4	2023.104	
Bracing angle top ISA 75 X 75 X 8	4*10	1.613			8.9	574.228	
Bracing angle middle ISA 75 X 75 X 8	4*10	1.690			8.9	601.640	
Side seal clamp ISA 75 X 75 X 8	2*10	3.650			8.9	649.700	
Type - 2 (7.69 x 3.65M) shutter							
Skin plate 10mm plate	1*2	7.690	3.650	10.000	7.85	4406.755	
End box plate 12mm plate	4*2	3.650	0.510	12.000	7.85	1402.827	
Stiffener plate roller 8mm plate	4*2	0.210	0.140	8.000	7.85	14.771	
Roller support plate - 1- 8mm plate	4*2	0.200	0.200	8.000	7.85	20.097	
Roller index plate - 2 - Dia 180 x 20mm plate	4*2	0.180	0.180	20.000	7.85	40.695	
Roller support plate - 3 - 8mm plate	4*2	0.200	0.200	8.000	7.85	20.097	
Roller locking plate - 1 - 10mm plate	4*2	0.200	0.100	10.000	7.85	12.561	
End box stiffener plate 8mm plate	14*2	0.510	0.140	8.000	7.85	125.550	
Horizontal girder web 10mm plate	2*2	7.336	0.750	10.000	7.85	1727.629	
Horizontal girder flange 12mm plate	2*2	7.452	0.200	12.000	7.85	561.583	
Full depth stiffener web - 1 - 8mm plate	1*2	1.419	0.750	8.000	7.85	133.670	

Full depth stiffener web - 2 - 8mm plate	1*2	1.690	0.750	8.000	7.85	159.198	
Full depth stiffener web - 3 - 8mm plate	3*2	0.495	0.750	8.000	7.85	139.887	
Full depth stiffener flange - 4 - 8mm plate	2*2	1.680	0.750	8.000	7.85	316.512	
Vertical stiffener - 1 - 10mm plate	14*2	1.419	0.150	10.000	7.85	467.845	
Vertical stiffener - 2 - 10mm plate	14*2	1.690	0.150	10.000	7.85	557.193	
Vertical stiffener - 3 - 10mm plate	14*2	0.495	0.150	10.000	7.85	163.202	
Vertical stiffener flange middle - 10mm plate	3*2	1.500	0.150	10.000	7.85	105.975	
Vertical seal seat - 20mm plate	2*2	3.565	0.150	20.000	7.85	335.823	
Seal seat vertical bottom 10mm plate	2*2	0.105	0.090	10.000	7.85	2.968	
Seal clamp Horizontal 10mm plate	1*2	6.746	0.080	10.000	7.85	84.730	
Seal guard 20mm plate	1*2	6.746	0.020	20.000	7.85	42.365	
Side guide plate - 1 - 12mm plate	4*2	0.200	0.200	12.000	7.85	30.145	
Side guide shoe 10mm plate	8*2	0.210	0.075	10.000	7.85	19.782	
Side guide plate - 2 - 30mm plate	4*2	0.116	0.053	30.000	7.85	11.583	
Guide shoe - 2 - 40mm plate	4*2	0.150	0.040	40.000	7.85	15.072	
Lifting bracket base	2*2	0.750	0.500	10.000	7.85	117.750	
Lifting bracket cover	2*2	0.325	0.110	3.000	7.85	3.368	
Lifting bracket - 1 - 10mm plate	8*2	0.160	0.050	10.000	7.85	10.048	
Spacer OD - 185, ID92 thk-8mm	4*2	0.185	0.185	8.000	7.85	17.195	

Lifting bracket - 2 - 16mm plate	4*2	1.725	0.300	16.000	7.85	519.984	
Lifting bracket - 3 - 8mm	4*2	1.419	0.130	8.000	7.85	92.678	
Lifting bracket - 4 - 10mm plate	4*2	1.419	0.480	8.000	7.85	342.195	
Dogging beam Type - 1 (12.69 x 3.65)							
Cross plate - 16mm plate	4*10	1.450	0.120	16.000	7.85	874.176	
Longitudinal plate - 16mm plate	4*10	1.450	0.200	16.000	7.85	1456.960	
Side plate - 16mm plate	4*10	0.220	0.100	16.000	7.85	110.528	
Stiffener plate - 12mm plate	12*10	0.200	0.088	12.000	7.85	198.951	
Dogging beam Type - 2(7.69 x 3.65)							
Cross plate - 16mm plate	4*2	1.450	0.120	16.000	7.85	174.836	
Longitudinal plate - 16mm plate	4*2	1.450	0.200	16.000	7.85	291.392	
Side plate - 16mm plate	4*2	0.220	0.100	16.000	7.85	22.106	
Stiffener plate - 12mm plate	12*2	0.200	0.088	12.000	7.85	39.791	
Type - 1(12.69 x 3.65M) shutter							
Skin plate 10mm plate	1*10	12.690	3.650	10.000	7.85	36360.023	
End box plate 12mm plate	4*10	3.650	0.510	12.000	7.85	7014.132	
Stiffener plate roller 8mm plate	4*10	0.210	0.140	8.000	7.85	73.853	
Roller support plate - 1 - 8mm plate	4*10	0.200	0.200	8.000	7.85	100.481	
Roller support plate - 2Dia 180 x 20mm plate	4*10	0.180	0.180	20.000	7.85	203.472	
Roller support plate - 3 - 8mm plate	4*10	0.200	0.200	8.000	7.85	100.481	

Roller support plate - 1 - 10mm plate	4*10	0.200	0.100	10.000	7.85	62.801	
End box stiffener plate 8mm plate	14*10	0.510	0.140	8.000	7.85	627.749	
Horizontal girder web 10mm plate	2*10	12.336	1.050	10.000	7.85	20335.896	
Horizontal girder flange 12mm plate	2*10	9.000	0.180	12.000	7.85	3052.080	
Horizontal girder flange - 1 - 12mm plate	2*10	12.632	0.200	12.000	7.85	4759.738	
Horizontal girder flange - 2 - 12mm plate	2*10	12.336	0.200	12.000	7.85	4648.205	
Web stiffener 8mm plate	18*10	0.912	0.090	8.000	7.85	927.833	
Pad plate web 8mm plate	6*10	0.912	0.175	8.000	7.85	601.373	
Full depth stiffener web - 1 - 8mm plate	3*10	1.062	1.419	8.000	7.85	2839.147	
Full depth stiffener web - 2 - 8mm plate	3*10	1.062	1.690	8.000	7.85	3381.366	
Full depth stiffener web - 3 - 8mm plate	5*10	1.062	0.495	8.000	7.85	1650.667	
Full depth stiffener web - 4 - 8mm plate	2*10	1.062	1.680	8.000	7.85	2240.905	
Vertical stiffener - 1 - 10mm plate	22*10	1.419	0.150	10.000	7.85	3675.920	
Vertical stiffener - 2 - 10mm plate	22*10	1.690	0.150	10.000	7.85	4377.945	
Vertical stiffener - 3 - 10mm plate	22*10	0.495	0.150	10.000	7.85	1282.298	
Full depth stiffener flange 10mm plate	3*10	1.415	0.150	10.000	7.85	499.849	
Vertical seal seat - 20mm plate	2*10	3.650	0.105	20.000	7.85	1203.405	
Seal seat vertical bottom 10mm plate	2*10	0.105	0.090	10.000	7.85	14.837	

	Seal clamp horizontal 10mm plate	1*10	11.746	0.080	10.000	7.85	737.649		
	Seal guard 20mm plate	1*10	11.746	0.020	20.000	7.85	368.825		
	Side guide plate - 1 - 12mm plate	4*10	0.200	0.200	12.000	7.85	150.721		
	Side guide shoe 10mm plate	8*10	0.210	0.075	10.000	7.85	98.910		
	Side guide plate - 2 - 30mm plate	4*10	0.116	0.053	30.000	7.85	57.915		
	Guide shoe - 2 - 40mm plate	4*10	0.150	0.040	40.000	7.85	75.360		
	Total Quantity						121131.764 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						121131.764 kg		
	Say 121131.764 kg @ Rs 62.86 / kg						Rs 7614342.69		
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								
	Type - 1 (12.69 x 3.65M) shutter								
	Skin plate 10mm plate	1*10	12.690	3.650		2.0	926.370		
	End box plate 12mm plate	4*10	3.650	0.510		2.0	148.920		
	Stiffener plate roller 8mm plate	4*10	0.210	0.140		2.0	2.353		
	Roller support plate - 1 - 8mm plate	4*10	0.200	0.200		2.0	3.201		
	Roller support plate - 2 - Dia 180 x 20mm plate	4*10	0.180	0.180		2.0	2.592		
	Roller support plate - 3 - 8mm plate	4*10	0.200	0.200		2.0	3.201		
	Roller support plate - 1 - 10mm plate	4*10	0.200	0.100		2.0	1.601		

End box stiffener plate 8mm plate	14*10	0.510	0.140		2.0	19.992	
Horizontal girder web 10mm plate	2*10	12.336	1.050		2.0	518.113	
Horizontal girder flange 12mm plate	2*10	9.000	0.180		2.0	64.800	
Horizontal girder flange - 1 - 12mm plate	2*10	12.632	0.200		2.0	101.057	
Horizontal girder flange - 2 - 12mm plate	2*10	12.336	0.200		2.0	98.688	
Web stiffener 8mm plate	18*10	0.912	0.090		2.0	29.549	
Pad plate web 8mm plate	6*10	0.912	0.175		2.0	19.152	
Full depth vertical stiffener web - 1 - 8mm plate	3*10	1.062	1.419		2.0	90.419	
Full depth vertical stiffener web - 2 - 8mm plate	3*10	1.062	1.690		2.0	107.687	
Full depth vertical stiffener web - 3 - 8mm plate	5*10	1.062	0.495		2.0	52.569	
Full depth vertical stiffener web - 4 - 8mm plate	2*10	1.062	1.680		2.0	71.367	
Vertical stiffener - 1 - 10mm plate	22*10	1.419	0.150		2.0	93.655	
Vertical stiffener - 2- 10mm plate	22*10	1.690	0.150		2.0	111.540	
Vertical stiffener - 3 - 10mm plate	22*10	0.495	0.150		2.0	32.670	
Full depth stiffener flange 10mm plate	3*10	1.415	0.150		2.0	12.735	
Vertical seal seat 20mm plate	2*10	3.650	0.105		2.0	15.330	

Seal seat vertical bottom 10mm plate	2*10	0.105	0.090		2.0	0.378	
Seal clamp horizontal 10mm plate	1*10	11.746	0.080		2.0	18.794	
Seal guard 20mm plate	1*10	11.746	0.020		2.0	4.699	
Side guide plate - 1 - 12mm plate	4*10	0.200	0.200		2.0	3.201	
Side guide shoe 10mm plate	8*10	0.210	0.075		2.0	2.520	
Side guide plate - 2 - 30mm plate	4*10	0.116	0.053		2.0	0.492	
Guide shoe - 2 - 40mm plate	4*10	0.150	0.040		2.0	0.480	
Type - 2 (7.69 x 3.65M) shutter							
Skin plate 10mm plate	1*2	7.690	3.650		2.0	112.274	
End box plate 12mm plate	4*2	3.650	0.510		2.0	29.784	
Stiffener plate roller 8mm plate	4*2	0.210	0.140		2.0	0.471	
Roller support plate - 1 - 8mm plate	4*2	0.200	0.200		2.0	0.641	
Roller index plate - 2 - Dia 180 x 20mm plate	4*2	0.180	0.180		2.0	0.519	
Roller support plate - 3 - 8mm plate	4*2	0.200	0.200		2.0	0.641	
Roller locking plate - 1 - 10mm plate	4*2	0.200	0.100		2.0	0.321	
End box stiffener plate - 8mm plate	14*2	0.510	0.140		2.0	3.999	
Horizontal girder web 10mm plate	2*2	7.336	0.750		2.0	44.017	
Horizontal girder flange 12mm plate	2*2	7.452	0.200		2.0	11.924	
Full depth stiffener web - 1 - 8mm plate	1*2	1.419	0.750		2.0	4.257	
Full depth stiffener web - 2 - 8mm plate	1*2	1.690	0.750		2.0	5.070	

Full depth stiffener web - 3 - 8mm plate	3*2	0.495	0.750		2.0	4.455	
Full depth stiffener web - 4 - 8mm plate	2*2	1.680	0.750		2.0	10.080	
Vertical stiffener - 1 - 10mm plate	14*2	1.419	0.150		2.0	11.920	
Vertical stiffener - 2 - 10mm plate	14*2	1.690	0.150		2.0	14.196	
Vertical stiffener - 3 - 10mm plate	14*2	0.495	0.150		2.0	4.158	
Vertical stiffener flange middle - 10mm plate	3*2	1.500	0.150		2.0	2.700	
Vertical seal seat - 20mm plate	2*2	3.565	0.150		2.0	4.278	
Seal seat vertical bottom 10mm plate	2*2	0.105	0.090		2.0	0.076	
Seal clamp horizontal 10mm plate	1*2	6.746	0.080		2.0	2.159	
Seal guard 20mm plate	1*2	6.746	0.020		2.0	0.540	
Side guide plate - 1 - 12mm plate	4*2	0.200	0.200		2.0	0.641	
Side guide shoe - 10mm plate	8*2	0.210	0.075		2.0	0.504	
Side guide plate - 2 - 30mm plate	4*2	0.116	0.053		2.0	0.099	
Guide shoe - 2 - 40mm plate	4*2	0.150	0.040		2.0	0.096	
Lifting bracket base	2*2	0.750	0.500		2.0	3.000	
Lifting bracket cover	2*2	0.325	0.110		2.0	0.287	
Lifting bracke - 1 - 10mm plate	8*2	0.160	0.050		2.0	0.256	
Spacer OD-185, ID92 thk-8mm	4*2	0.185	0.185		2.0	0.548	
Lifting bracket - 2 - 16mm plate	4*2	1.725	0.300		2.0	8.280	

Lifting bracket - 3 - 8mm plate	4*2	1.419	0.130		2.0	2.952	
Lifting bracket - 4 - 10mm plate	4*2	1.419	0.480		2.0	10.898	
Dogging beam Type - 1 (12.69 x 3.65)							
Cross plate - 16mm plate	4*10	1.450	0.120		2.0	13.920	
Longitudinal plate - 16mm plate	4*10	1.450	0.200		2.0	23.200	
Side plate - 16mm plate	4*10	0.220	0.100		2.0	1.761	
Stiffener plate - 12mm plate	12*10	0.200	0.088		2.0	4.224	
Dogging beam Type - 2 (7.69 x 3.65)							
Cross plate - 16mm plate	4*2	1.450	0.120		2.0	2.784	
Longitudinal plate - 16mm plate	4*2	1.450	0.200		2.0	4.640	
Side plate - 16mm plate	4*2	0.220	0.100		2.0	0.353	
Stiffener plate - 12mm plate	12*2	0.200	0.088		2.0	0.845	
Type - 2 shutter (7.69 x 3.5)							
Bracing top ISMC 150 X 75	1*2	7.336			0.6	8.804	
Side seal clamp ISA 75 X 75 X 8	2*2	3.650			0.3	4.380	
Type - 1 shutter (12.69 x 3.5)							
Bracing top ISMC 150 X 75	1*10	12.336			0.6	74.016	
Bracing angle top ISA 75 X 75 X 8	4*10	1.613			0.3	19.356	
Bracing angle middle ISA 75 X 75 X 8	4*10	1.690			0.3	20.280	
Side seal clamp ISA 75 X 75 X 8	2*10	3.650			0.3	21.900	
Dogging beam Type - 1 (12.69 x 3.65)							

	Dogging beam base plate 12mm plate	4*10	0.400	0.400			6.401		
	Dogging beam Type - 2 (7.69 x 3.65)								
	Dogging beam base plate 12mm plate	4*2	0.400	0.400			1.281		
	Dogging beam Type - 1 (12.69 x 3.65)								
	Locking angle ISA 75 X 75 X 8	8*10	0.232			0.3	5.569		
	Dogging beam Type - 2 (7.69 x 3.65)								
	Locking angle ISA 75 X 75 X 8	8*2	0.232			0.3	1.114		
	Total Quantity						3068.994 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						3068.994 sqm		
	Say 3068.994 sqm @ Rs 809.89 / sqm						Rs 2485547.55		
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								
	Type - 1 (12.69 x 3.65M) shutter								
	Skin plate 10mm plate	1*10	12.690	3.650	10.000	7.85	36360.023		
	End box plate 12mm plate	4*10	3.650	0.510	12.000	7.85	7014.132		
	Stiffener plate roller 8mm plate	4*10	0.210	0.140	8.000	7.85	73.853		
	Roller support plate - 1 - 8m plate	4*10	0.200	0.200	8.000	7.85	100.481		
	Roller support plate - 2 Dia 180 x 20mm plate	4*10	0.180	0.180	20.000	7.85	203.472		
	Roller support plate - 3 - 8mm plate	4*10	0.200	0.200	8.000	7.85	100.481		
	Roller support plate - 1 - 10mm plate	4*10	0.200	0.100	10.000	7.85	62.801		
	End box stiffener plate - 8mm plate	14*10	0.510	0.140	8.000	7.85	627.749		
	Horizontal girder web - 10mm plate	2*10	12.336	1.050	10.000	7.85	20335.896		

Horizontal girder flange 12mm plate	2*10	9.000	0.180	12.000	7.85	3052.080	
Horizontal girder flange - 1 - 12mm plate	2*10	12.632	0.200	12.000	7.85	4759.738	
Horizontal girder flange - 2 - 12mm plate	2*10	12.336	0.200	12.000	7.85	4648.205	
Web stiffener 8mm plate	18*10	0.912	0.090	8.000	7.85	927.833	
Pad plate web 8mm plate	6*10	0.912	0.175	8.000	7.85	601.373	
Full depth stiffener web - 1 - 8mm plate	3*10	1.062	1.419	8.000	7.85	2839.147	
Full depth stiffener web - 2 - 8mm plate	3*10	1.062	1.690	8.000	7.85	3381.366	
Full depth stiffener web - 3 - 8mm plate	5*10	1.062	0.495	8.000	7.85	1650.667	
Full depth stiffener web - 4 - 8mm plate	2*10	1.062	1.680	8.000	7.85	2240.905	
Vertical stiffener - 1 - 10mm plate	22*10	1.419	0.150	10.000	7.85	3675.920	
Vertical stiffener - 2 - 10mm plate	22*10	1.690	0.150	10.000	7.85	4377.945	
Vertical stiffener - 3 - 10mm plate	22*10	0.495	0.150	10.000	7.85	1282.298	
Full depth stiffener flange 10mm plate	3*10	1.415	0.150	10.000	7.85	499.849	
Vertical seal seat - 20mm plate	2*10	3.650	0.105	20.000	7.85	1203.405	
Seal seat vertical bottom 10mm plate	2*10	0.105	0.090	10.000	7.85	14.837	
Seal clamp horizontal 10mm plate	1*10	11.746	0.080	10.000	7.85	737.649	
Seal guard 20mm plate	1*10	11.746	0.020	20.000	7.85	368.825	
Side guide plate - 1 - 12mm plate	4*10	0.200	0.200	12.000	7.85	150.721	

Side guide shoe 10mm plate	8*10	0.210	0.075	10.000	7.85	98.910	
Side guide plate - 2 - 30mm plate	4*10	0.116	0.053	30.000	7.85	57.915	
Guide shoe - 2 - 40mm plate	4*10	0.150	0.040	40.000	7.85	75.360	
Dogging beam Type - 2 (7.69 x 3.65)							
Cross plate - 16mm plate	4*2	1.450	0.120	16.000	7.85	174.836	
Longitudinal plate - 16mm plate	4*2	1.450	0.200	16.000	7.85	291.392	
Side plate - 16mm plate	4*2	0.220	0.100	16.000	7.85	22.106	
Stiffener plate - 12mm plate	12*2	0.200	0.088	12.000	7.85	39.791	
Dogging beam Type - 1 (12.69 x 3.65)							
Cross plate - 16mm plate	4*10	1.450	0.120	16.000	7.85	874.176	
Longitudinal plate - 16mm plate	4*10	1.450	0.200	16.000	7.85	1456.960	
Side plate - 16mm plate	4*10	0.220	0.100	16.000	7.85	110.528	
Stiffener plate - 12mm plate	12*10	0.200	0.088	12.000	7.85	198.951	
Type - 2 (7.69 X 3.65M) shutter							
Skin plate 10mm plate	1*2	7.690	3.650	10.000	7.85	4406.755	
End box plate 12mm plate	4*2	3.650	0.510	12.000	7.85	1402.827	
Stiffener plate roller 8mm plate	4*2	0.210	0.140	8.000	7.85	14.771	
Roller support plate - 1 - 8mm plate	4*2	0.200	0.200	8.000	7.85	20.097	
Roller index plate - 2 Dia 180 x 20mm plate	4*2	0.180	0.180	20.000	7.85	40.695	
Roller support plate - 3 - 8mm plate	4*2	0.200	0.200	8.000	7.85	20.097	
Roller locking plate - 1 - 10mm plate	4*2	0.200	0.100	10.000	7.85	12.561	

End box stiffener plate 8mm plate	14*2	0.510	0.140	8.000	7.85	125.550	
Horizontal girder web 10mm plate	2*2	7.336	0.750	10.000	7.85	1727.629	
Horizontal girder flange 12mm plate	2*2	7.452	0.200	12.000	7.85	561.583	
Full depth stiffener web - 1 - 8mm plate	1*2	1.419	0.750	8.000	7.85	133.670	
Full depth stiffener web - 2 - 8mm plate	1*2	1.690	0.750	8.000	7.85	159.198	
Full depth stiffener web - 3 - 8mm plate	3*2	0.495	0.750	8.000	7.85	139.887	
Full depth stiffener web - 4 - 8mm plate	2*2	1.680	0.750	8.000	7.85	316.512	
Vertical stiffener - 1 - 10mm plate	14*2	1.419	0.150	10.000	7.85	467.845	
Vertical stiffener - 2 - 10mm plate	14*2	1.690	0.150	10.000	7.85	557.193	
Vertical stiffener - 3 - 10mm plate	14*2	0.495	0.150	10.000	7.85	163.202	
Vertical stiffener flange middle - 10mm plate	3*2	1.500	0.150	10.000	7.85	105.975	
Vertical seal seat - 20mm plate	2*2	3.565	0.150	20.000	7.85	335.823	
Seal seat vertical bottom 10mm plate	2*2	0.105	0.090	10.000	7.85	2.968	
Seal clamp horizontal 10mm plate	1*2	6.746	0.080	10.000	7.85	84.730	
Seal guard 20mm plate	1*2	6.746	0.020	20.000	7.85	42.365	
Side guide plate - 1 - 12mm plate	4*2	0.200	0.200	12.000	7.85	30.145	
Side guide shoe 10mm plate	8*2	0.210	0.075	10.000	7.85	19.782	
Side guide plate - 2 - 30mm plate	4*2	0.116	0.053	30.000	7.85	11.583	
Guide shoe - 2 - 40mm plate	4*2	0.150	0.040	40.000	7.85	15.072	

Lifting bracket base	2*2	0.750	0.500	10.000	7.85	117.750	
Lifting bracket cover	2*2	0.325	0.110	3.000	7.85	3.368	
Lifting bracket - 1 - 10mm plate	8*2	0.160	0.050	10.000	7.85	10.048	
Spacer OD-185, ID92 thk-8mm	4*2	0.185	0.185	8.000	7.85	17.195	
Lifting bracket - 2 - 16mm plate	4*2	1.725	0.300	16.000	7.85	519.984	
Lifting bracket - 3 - 8mm plate	4*2	1.419	0.130	8.000	7.85	92.678	
Lifting bracket - 4 - 10mm plate	4*2	1.419	0.480	8.000	7.85	342.195	
Type - 1 shutter (12.69 x 3.5)							
Bracing top ISMC 150 X 75	1*10	12.336			16.4	2023.104	
Bracing angle top ISA 75 X 75 X 8	4*10	1.613			8.9	574.228	
Bracing angle middle ISA 75 X 75 X 8	4*10	1.690			8.9	601.640	
Side seal clamp ISA 75 X 75 X 8	2*10	3.650			8.9	649.700	
Type - 2 shutter (7.69 x 3.5)							
Bracing top ISMC 150 X 75	1*2	7.336			16.4	240.621	
Side seal clamp ISA 75 X 75 X 8	2*2	3.650			8.9	129.940	
Dogging beam Type - 1 (12.6 x 3.65)							
Locking angle ISA 75 X 75 X 8	8*10	0.232			8.9	165.185	
Dogging beam Type - 2 (7.69 x 3.65)							
Locking angle ISA 75 X 75 X 8	8*2	0.232			8.9	33.037	
Type - 1 (12.69 x 3.65M) shutter							
M 16 X 50 hex.bolt	28*10				0.11	30.240	
M 16 X 40 hex.bolt	16*10				0.09	14.880	
M 16 X 80 hex.bolt with nut	86*10				0.18	156.520	

	M 16 X 90 hex.bolt with nut	156*10					0.2	308.880		
	M 16 X 40 hex.bolt	16*10					0.09	14.880		
	Washer	302*10					0.01	30.200		
	Type - 2 (7.69 x 3.65M) shutter									
	M 16 X 50 hex.bolt	28*2					0.11	6.048		
	M 16 X 40 hex.bolt	16*2					0.09	2.976		
	M 16 X 80 hex.bolt with nut	86*2					0.18	31.304		
	M 16 X 90 hex.bolt with nut	100*2					0.2	39.600		
	M 16 X 40 hex.bolt with nut	16*2					0.09	2.976		
	Washer	246*2					0.01	4.920		
	Total Quantity							121775.188 kg		
	Total Deducted Quantity							0.000 kg		
	Net Total Quantity							121775.188 kg		
	Say 121775.188 kg @ Rs 6.09 / kg							Rs 741610.89		
SI No	Description	No	L	B	D	CF	Quantity	Remark		
10 H2 - Supplying and fixing of rubber seals										
1	85.116 Supplying and fixing in correct position with specified initial interface the flat type rubber seal confirming to IS 11855 to the gates including cost of SS bolts and nut all labour and machinery and incidental and conveyance charges complete as per approved specification and drawing									
	Flat rubber seals									
	Flat type rubber seals 90 X 14mm	1*10	11.960					119.601		
	Flat type rubber seals 90 X 14mm	1*2	7.080					14.160		
	Total Quantity							133.761 metre		
	Total Deducted Quantity							0.000 metre		
	Net Total Quantity							133.761 metre		
	Say 133.761 metre @ Rs 1905.10 / metre							Rs 254828.08		
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									

SI No	Description	No	L	B	D	CF	Quantity	Remark
Side seals								
	Z-type rubber seal Dia 30 x 120mm	2*12	3.656				87.744	
Total Quantity							87.744 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							87.744 metre	
Say 87.744 metre @ Rs 2675.20 / metre							Rs 234732.75	
11 H3 -Supplying and fixing of roller assembly								
1	od151718/2019_2020 Supplying and fixing cast steel thrust roller assembly having 300mm Dia, 90mm tread width, SS(304) shaft and 22220E self aligning spherical roller bearing and accessories as per approved specifications and drawings including cost of all materials, machineries, labour, all lift and lead, incidental and conveyance charges etc complete							
Roller wheels								
	Dia 300mm wheels	4*12					48.000	
Total Quantity							48.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							48.000 no	
Say 48.000 no @ Rs 39073.46 / no							Rs 1875526.08	
12 H4 Supply of materials, fabrication, painting and erection of hoisting bridge, covers and frames of driving units and rope drum for shutter								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
Hoisting bridge Type - 1 (12.69 x 3.65M)								
	Longitudinal girder flange 16mm plate	4*10	13.990	0.150	16.000	7.85	10542.864	
	Longitudinal girder web 10mm plate	2*10	13.990	1.200	10.000	7.85	26357.160	
	Base plate main girder 20mm plate	4*10	0.340	0.290	20.000	7.85	619.209	
	Alignment plate for base plate 10mm plate	4*10	0.590	0.340	10.000	7.85	629.884	
	Web stiffener end side 10mm plate	8*10	1.216	0.160	10.000	7.85	1221.837	

Anchoring rod end plate Dia 100 x 10 Thk	16*10	0.100	0.100	10.000	7.85	125.601	
Web stiffener - 1 - 10mm plate	8*10	0.908	0.070	10.000	7.85	399.157	
Web stiffener - 2 - 10mm plate	4*10	1.008	0.070	10.000	7.85	221.559	
Web stiffener - 3 - 10mm plate	22*10	1.058	0.070	10.000	7.85	1279.017	
Web stiffener - 4 - 10mm plate	32*10	1.200	0.070	10.000	7.85	2110.080	
Hand rail base support 10mm plate	14*10	0.250	0.135	10.000	7.85	370.913	
Pulley frame 16mm plate	4*10	1.192	0.525	16.000	7.85	3144.020	
Pulley pin lock plate 10mm	16*10	0.160	0.050	10.000	7.85	100.480	
Pulley spacer OD 180, ID 82, 8mm Thk	8*10	0.180	0.180	8.000	7.85	162.778	
Plate connect hoist bridge, 10mm plate	2*10	0.150	0.150	10.000	7.85	35.325	
Other Engineering Organisations Gear box cover Type - 2 (7.69 x 3.65)							
Cover - 1 3. 15 sheet	2*2	2.400	0.480	3.150	7.85	113.945	
Cover - 1 3. 15 sheet	4*2	1.455	0.675	3.150	7.85	194.284	
Cover - 1 3. 15 sheet	2*2	0.310	0.210	3.150	7.85	6.440	
Gear box cover Type - 1 (12.69 x 3.65)							
Cover - 1 3. 15 sheet	2*10	2.200	0.530	3.150	7.85	576.646	
Cover - 1 3. 15 sheet	4*10	1.415	0.575	3.150	7.85	804.757	
Cover - 1 3. 15 sheet	2*10	0.310	0.210	3.150	7.85	32.196	
Drive unit Type - 1 (12.69 x 3.65M)							
Worm reducer base - 1 - 10mm plate	1*10	0.380	0.360	10.000	7.85	107.388	
Worm reducer angle support - 1 - 10mm plate	4*10	0.090	0.090	10.000	7.85	25.434	
Worm reducer angle support - 2 - 10mm plate	2*10	0.147	0.100	10.000	7.85	23.079	

Brake support - 1 - 10mm plate	1*10	0.360	0.140	10.000	7.85	39.564	
Brake support stiffener - 2 - 10mm plate	4*10	0.065	0.065	10.000	7.85	13.267	
Base plate motor - 10mm plate	1*10	0.240	0.190	10.000	7.85	35.796	
Base plate stiffener motor - 1 - 10mm plate	2*10	0.065	0.065	10.000	7.85	6.634	
Base plate stiffener motor - 2 - 10mm plate	1*10	0.075	0.050	10.000	7.85	2.944	
Drive unit cover Type - 1 (12.69 x 3.65M)							
Side cover - 1 3.15 sheet	2*10	1.472	0.970	3.150	7.85	706.139	
Side cover - 2 3.15 sheet	1*10	0.970	0.820	3.150	7.85	196.683	
Side cover - 3 3.15 sheet	1*10	0.670	0.820	3.150	7.85	135.853	
Top cover - 1 3.15 sheet	1*10	1.640	0.820	3.150	7.85	332.536	
Plate on side plate - 5mm plate	1*10	0.150	0.150	5.000	7.85	8.832	
Plate at the opening of both side - 5mm plate	2*10	1.100	0.050	5.000	7.85	43.175	
Drive unit cover Type - 2 (7.69 x 3.65M)							
Side cover - 1 3.15 sheet	2*2	1.355	0.965	3.150	7.85	129.333	
Side cover - 2 3.15 sheet	2*2	0.965	0.820	3.150	7.85	78.268	
Top cover - 1 3.15 sheet	1*2	1.400	0.820	3.150	7.85	56.775	
Plate for top cover 8mm sheet	1*2	0.100	0.100	8.000	7.85	1.257	
Handle plate 5mm plate	2*2	0.595	0.055	5.000	7.85	5.138	
Plummer block support Type - 2 (7.69 x 3.65M)							

Plummer block base 10mm plate	4*2	0.300	0.150	10.000	7.85	28.260	
Plummer block support-1 - 10mm plate	2*2	0.330	0.300	10.000	7.85	31.086	
Plummer block support-2 - 10mm plate	2*2	0.330	0.130	10.000	7.85	13.471	
Wheels and pinion Type - 2(7.69x3.65)							
Wheel lock plate 12mm plate	12*2	0.025	0.100	12.000	7.85	5.653	
Plummer block support Type - 1 (12.69x3.65M)							
Plummer block base 10mm plate	8*10	0.300	0.150	10.000	7.85	282.600	
Plummer block support-1 - 10mm plate	4*10	0.330	0.300	10.000	7.85	310.860	
Plummer block support-2 - 10mm plate	4*10	0.330	0.130	10.000	7.85	134.706	
Drive unit Type-2 (7.69x3.65M)							
Worm reducer base - 1 - 10mm plate	1*2	0.375	0.300	10.000	7.85	17.663	
Worm reducer angle support-1 - 10mm plate	4*2	0.090	0.090	10.000	7.85	5.087	
Worm reducer angle support-2 - 10mm plate	2*2	0.135	0.100	10.000	7.85	4.239	
Brake support - 1 - 10mm plate	1*2	0.350	0.125	10.000	7.85	6.869	
Brake support stiffener -2 - 10mm plate	4*2	0.065	0.065	10.000	7.85	2.654	
Base plate motor - 10mm plate	1*2	0.220	0.200	10.000	7.85	6.908	
Base plate stiffener motor-1 - 10mm plate	1*2	0.100	0.054	10.000	7.85	0.848	

	Base plate stiffener motor-2 - 10mm plate	2*2	0.065	0.065	10.000	7.85	1.327	
	Gear box assembly Type - 1 (12.69x3.65)							
	Frame extension plate-1 10mm plate	2*10	1.500	0.060	10.000	7.85	141.300	
	Frame extension plate-2 10mm plate	2*10	0.600	0.060	10.000	7.85	56.520	
	Stiffener-1 10mm plate	10*10	0.276	0.140	10.000	7.85	303.325	
	Stiffener-2 10mm plate	2*10	0.273	0.080	10.000	7.85	34.289	
	Drum support plate-1 10mm plate	8*10	0.120	0.090	10.000	7.85	67.824	
	Drum support plate-2 10mm plate	4*10	0.090	0.060	10.000	7.85	16.956	
	Drum shaft support plate-1 20mm plate	4*10	0.525	0.350	20.000	7.85	1153.950	
	Drum shaft support plate-1 20mm plate	4*10	0.280	0.100	20.000	7.85	175.840	
	Spacer OD-160, ID-76, 8mm thk	4*10	0.160	0.160	8.000	7.85	64.308	
	Plummer block frame	8*10	0.260	0.100	50.000	7.85	816.400	
	Hoisting bridge Type-2 (7.69x3.65M)							
	Longitudinal girder flange 16mm plate	4*2	8.990	0.150	16.000	7.85	1354.973	
	Longitudinal girder web 10mm plate	2*2	8.990	1.200	10.000	7.85	3387.432	
	Web stiffener end side 10mm plate	8*2	1.216	0.160	10.000	7.85	244.368	
	Base plate main girder 20mm plate	6*2	0.290	0.340	20.000	7.85	185.763	
	Alignment base plate-1 10mm plate	2*2	0.290	0.340	10.000	7.85	30.961	
	Alignment base plate-2 10mm plate	4*2	0.590	0.340	10.000	7.85	125.977	
	Web stiffener-1 10mm plate	8*2	0.910	0.065	10.000	7.85	74.293	

Web stiffener-2 10mm plate	4*2	1.010	0.065	10.000	7.85	41.229	
Web stiffener-3 10mm plate	16*2	1.060	0.065	10.000	7.85	173.077	
Web stiffener-4 10mm plate	28*2	1.200	0.065	10.000	7.85	342.888	
Pulley frame-1 16mm plate	4*2	0.792	0.550	16.000	7.85	437.691	
Pin lock plate 10mm plate	8*2	0.120	0.050	10.000	7.85	7.536	
Spacer OD-180, ID-92, 8 thk	4*2	0.180	0.180	8.000	7.85	16.278	
Spacer plate 10mm plate	2*2	0.150	0.150	10.000	7.85	7.065	
Anchor rod plate Dia 100x10 Thk	16*2	0.100	0.100	10.000	7.85	25.121	
Dial assembly Type-2 (7.69x3.65)							
Base plate 8mm plate	1*2	0.450	0.300	8.000	7.85	16.956	
Stiffener plate-1 10mm plate	2*2	0.185	0.150	10.000	7.85	8.714	
Stiffener plate-2 10mm plate	1*2	0.170	0.150	10.000	7.85	4.004	
Shim 2mm plate	1*2	0.165	0.050	2.000	7.85	0.260	
Plummer block base plate 10mm plate	1*2	0.260	0.090	10.000	7.85	3.674	
Stiffener plate-1 10mm plate	2*2	0.100	0.090	10.000	7.85	2.826	
Stiffener plate-2 10mm plate	2*2	0.236	0.210	10.000	7.85	15.562	
Gear box assembly Type-2 (7.69x3.65)							
Frame extension plate-1 10mm plate	2*2	1.540	0.060	10.000	7.85	29.014	
Frame extension plate-2 10mm plate	2*2	0.690	0.060	10.000	7.85	13.000	
Drum support plate-1 10mm plate	8*2	0.220	0.080	10.000	7.85	22.106	
Drum support plate-2 10mm plate	4*2	0.150	0.080	10.000	7.85	7.536	

Stiffener-1 10mm plate	10*2	0.226	0.130	10.000	7.85	46.127	
Stiffener-2 10mm plate	2*2	0.222	0.070	10.000	7.85	4.880	
Drum shaft support plate-1 20mm plate	4*2	0.460	0.350	20.000	7.85	202.216	
Drum shaft support plate-1 20mm plate	4*2	0.280	0.100	20.000	7.85	35.168	
Plummer block base-1 20mm plate	4*2	0.275	0.090	20.000	7.85	31.086	
Plummer block base-2 30mm plate	4*2	0.255	0.090	30.000	7.85	43.238	
Spacer OD-200, ID72, 8thk	4*2	0.200	0.200	8.000	7.85	20.097	
Wheels and pinion Type-1(12.69x3.65)							
Wheel lock plate 15mm plate	12*10	0.025	0.070	15.000	7.85	24.728	
Lifting arrangement Type-1(12.69x3.65)							
Lifting bracket Frame-1 12mm plate	4*10	1.030	0.590	12.000	7.85	2289.814	
Lifting bracket side plate-1 10mm plate	4*10	0.300	0.130	10.000	7.85	122.461	
Lifting bracket stiffener-1 10mm plate	6*10	0.100	0.080	10.000	7.85	37.680	
Lifting bracket stiffener-2 10mm plate	2*10	0.140	0.100	10.000	7.85	21.980	
Lifting bracket stiffener-3 10mm plate	4*10	0.100	0.100	10.000	7.85	31.401	
Rope guard 3.15 sheet	4*10	0.650	0.100	3.150	7.85	64.292	
Pin lock plate-1 10mm plate	12*10	0.180	0.180	10.000	7.85	305.208	
Lock plate - 10mm plate	24*10	0.130	0.050	10.000	7.85	122.461	
Spacer OD-150, ID-82, 8thk	8*10	0.150	0.150	8.000	7.85	113.040	
Pin cover-1 10mm plate	4*10	0.080	0.025	10.000	7.85	6.280	

Lifting bracket main frame-1 16mm plate	4*10	1.370	0.250	16.000	7.85	1720.720	
Lifting bracket main frame-2 10mm plate	2*10	1.100	0.128	10.000	7.85	221.056	
Lifting bracket base 10mm plate	2*10	1.050	0.400	10.000	7.85	659.400	
Transverse plate lifting bracket-1 10mm plate	2*10	1.100	0.692	10.000	7.85	1195.084	
Transverse plate lifting bracket-2 10mm plate	2*10	1.419	0.210	10.000	7.85	467.845	
Dial assembly Type-1 (12.69x3.65)							
Base plate 8mm plate	1*10	0.470	0.300	8.000	7.85	88.548	
Stiffener plate-1 10mm plate	2*10	0.185	0.150	10.000	7.85	43.568	
Stiffener plate-2 10mm plate	1*10	0.170	0.150	10.000	7.85	20.018	
Shim 2mm plate	1*10	0.165	0.060	2.000	7.85	1.555	
Plummer block base 10mm plate	1*10	0.280	0.090	10.000	7.85	19.782	
Stiffener plate-1 10mm plate	2*10	0.100	0.090	10.000	7.85	14.130	
Stiffener plate-2 10mm plate	2*10	0.276	0.230	10.000	7.85	99.664	
Plate for ladder							
Foundation plate landing leg	4*2	0.300	0.200	12.000	7.85	45.216	
Foundation plate ladder rail	2*2	0.400	0.200	12.000	7.85	30.145	
Stiffener for leg	4*2	0.150	0.100	8.000	7.85	7.536	
Top plate for landing leg	4*2	0.200	0.100	12.000	7.85	15.073	
Joint plate for top landing to hoisting girder	4*2	0.200	0.180	12.000	7.85	27.130	
Anchoring plate for wall support	2*2	0.400	0.400	12.000	7.85	60.289	
Top plate for diagonal support	2*2	0.400	0.100	12.000	7.85	15.073	

	Total Quantity						69531.483 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						69531.483 kg	
	Say 69531.483 kg @ Rs 64.18 / kg						Rs 4462530.58	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	Gear box assy Type-2 (7.69x3.65)							
	Winch unit frame-1 ISMC 250x80	2*2	1.540			30.4	187.264	
	Winch unit frame-2 ISMC 250x80	2*2	0.670			30.4	81.472	
	Winch unit frame-3 ISMC 250x80	2*2	0.850			30.4	103.360	
	Winch unit frame-4 ISMC 250x80	2*2	0.453			30.4	55.085	
	Winch unit frame-5 ISMC 250x80	2*2	0.770			30.4	93.632	
	Winch unit frame-6 ISMC 250x80	2*2	0.210			30.4	25.536	
	Drive unit cover Type-2 (7.69x3.65)							
	Frame-1 ISA 35x35x6	2*2	0.840			3.0	10.080	
	Frame-2 ISA 35x35x6	2*2	0.935			3.0	11.220	
	Frame-3 ISA 35x35x6	2*2	0.250			3.0	3.000	
	Frame-4 ISA 35x35x6	4*2	1.000			3.0	24.000	
	Frame-5 ISA 35x35x6	2*2	0.770			3.0	9.240	
	Frame-6 ISA 35x35x6	2*2	1.400			3.0	16.800	
	Frame-7 ISA 35x35x6	2*2	0.770			3.0	9.240	
	Drive unit Type-2 (7.69x3.65)							
	Motor frame-1 ISMC 150x75	2*2	1.550			16.4	101.680	
	Motor frame-2 ISMC 150x75	2*2	0.700			16.4	45.920	
	Motor frame-3 ISMC 150x75	1*2	0.700			16.4	22.960	

Frame of hand operating mechanism-1 ISA 75x75x8	4*2	0.800			8.9	56.961	
Frame of hand operating mechanism-2 ISA 75x75x8	2*2	0.400			8.9	14.241	
Frame of hand operating mechanism-3 ISA 75x75x8	2*2	0.500			8.9	17.800	
Worm reducer support-1 ISA 100x100x8	2*2	0.700			12.1	33.880	
Brake frame-1 ISA 75x75x8	2*2	0.700			8.9	24.920	
Gear frame-1 ISA 75x75x8	2*2	0.700			8.9	24.920	
Plummer block frame ISA 100x100x8	1*2	0.250			12.1	6.050	
Dial gauge assy Type-1 (12.69x3.65)							
Main frame-1 ISMC 100 X 50	2*10	0.925			9.2	170.200	
Dial gauge support ISA 50 X 50 X 6	2*10	0.050			4.5	4.500	
Dial gauge Type-2 (7.69x3.65)							
Main frame ISMC 100 X 50	2*2	0.880			9.2	32.384	
Dial support ISA 50 X 50 X 6	2*2	0.050			4.5	0.900	
Gear box cover Type-1 (12.69x3.65)							
Frame-1 ISA 35x35x5	4*10	2.200			2.6	228.800	
Frame-2 ISA 35x35x5	4*10	0.540			2.6	56.161	
Frame-3 ISA 35x35x5	2*10	0.828			2.6	43.056	
Frame-4 ISA 35x35x5	4*10	0.132			2.6	13.729	
Frame-5 ISA 35x35x5	2*10	0.175			2.6	9.100	
Frame-6 ISA 35x35x5	2*10	0.073			2.6	3.796	
Frame-7 ISA 35x35x5	8*10	0.470			2.6	97.760	

	Curved frame-1 50x5 flat	4*10	1.074	0.050	5.000	7.85	84.309	
	Curved frame-2 50x5 flat	2*10	1.134	0.050	5.000	7.85	44.510	
	Gear box cover Type-2 (7.69x3.65)							
	Frame-1 ISA 35x35x5	4*2	2.400			2.6	49.920	
	Frame-2 ISA 35x35x5	4*2	0.490			2.6	10.192	
	Frame-3 ISA 35x35x5	2*2	0.836			2.6	8.695	
	Frame-4 ISA 35x35x5	4*2	0.059			2.6	1.228	
	Frame-5 ISA 35x35x5	2*2	0.096			2.6	0.999	
	Frame-6 ISA 35x35x5	2*2	0.230			2.6	2.393	
	Frame-7 ISA 35x35x5	8*2	0.420			2.6	17.472	
	Curved frame-1 50x5 flat	4*2	1.209	0.050	5.000	7.85	18.982	
	Curved frame-2 50x5 flat	2*2	1.245	0.050	5.000	7.85	9.774	
	Hoisting bridge Type-1 (12.69x3.5M)							
	Cross girder-1 (C-6), ISMC 300 x 90	4*10	2.090			35.8	2992.880	
	Cross girder-2 (C-4), ISMC 200 x 75	2*10	2.090			22.1	923.780	
	Cross girder-3 (C-3), ISMC 150 x 75	4*10	0.770			16.4	505.120	
	Cross girder-4 (C-2), 150 x 75	2*10	0.979			16.4	321.112	
	Cross girder-5 (C-7), ISMC 150 x 75	10*10	2.090			16.4	3427.600	
	Cross girder-6 ISMC 150 x 75	4*10	0.979			16.4	642.224	
	Cross support-angle ISA 75 x 75 x 8	38*10	0.100			8.9	338.200	
	Catwalk main frame ISMC 150 x 75	14*10	0.595			16.4	1366.120	
	Catwalk support angle ISA 75 x 75 x 8	14*10	0.150			8.9	186.900	
	Longitudinal support ISA 65 x 65 x 6	2*10	13.990			5.8	1622.840	

	Hand rail post ISA 65 x 65 x 6	28*10	1.250			5.8	2030.000	
	Hand rail middle 50 x 8 flat	2*10	13.990	0.050	8.000	7.85	878.572	
	Inclined support ISA 75 x 75 x 8	14*10	0.720			8.9	897.120	
	Gear box assy Type-1 (12.69x3.65)							
	Winch unit frame-1 ISMC 300 x 90	2*10	0.240			35.8	171.840	
	Winch unit frame-2 ISMC 300 x 90	2*10	1.500			35.8	1074.000	
	Winch unit frame-3 ISMC 300 x 90	2*10	0.770			35.8	551.320	
	Winch unit frame-4 ISMC 300 x 90	2*10	0.900			35.8	644.400	
	Winch unit frame-5 ISMC 300 x 90	2*10	0.620			35.8	443.920	
	Winch unit frame-6 ISMC 300 x 90	2*10	0.690			35.8	494.040	
	Drive unit cover Type-1 (12.69x3.65)							
	Frame-1 ISA 35 x 35 x 6	2*10	0.840			3.0	50.401	
	Frame-2 ISA 35 x 35 x 6	2*10	1.000			3.0	60.000	
	Frame-3 ISA 35 x 35 x 6	2*10	0.180			3.0	10.800	
	Frame-4 ISA 35 x 35 x 6	2*10	0.994			3.0	59.640	
	Frame-5 ISA 35 x 35 x 6	2*10	2.300			3.0	138.000	
	Frame-6 ISA 35 x 35 x 6	2*10	0.840			3.0	50.401	
	Frame-7 ISA 35 x 35 x 6	3*10	0.770			3.0	69.301	
	Inspection window supporting angle ISA 35 x 35 x 6	1*10	0.850			3.0	25.500	
	Drive unit Type-1 (12.69x3.65)							

Motor frame-1 ISMC 150 x 75	2*10	1.570			16.4	514.961	
Motor frame-1 ISMC 150 x 75	2*10	0.700			16.4	229.600	
Motor frame-3 ISMC 150 x 75	1*10	0.700			16.4	114.800	
Frame of hand operating mechanism- 1 ISA 75 x 75 x 8	4*10	0.900			8.9	320.401	
Frame of hand operating mechanism- 2 ISA 75 x 75 x 8	2*10	0.400			8.9	71.200	
Frame of hand operating mechanism- 3 ISA 75 x 75 x 8	2*10	0.500			8.9	89.000	
Worm reducer support-1 ISA 100 x 100 x 8	2*10	0.700			12.1	169.400	
Brake frame-1 ISA 75 x 75 x 8	2*10	0.700			8.9	124.601	
Motor frame-1 ISA 75 x 75 x 8	2*10	0.700			8.9	124.601	
Plummer block frame ISMC 150 x 75	1*10	0.250			16.4	41.000	
MS section for ladder							
Ladder rail bottom ISMC 200 x 75	2*2	3.610			22.1	319.124	
Bottom landing frame- 1 ISMC 200 x 75	5*2	1.000			22.1	221.000	
Bottom landing frame- 2 ISMC 200 x 75	2*2	3.000			22.1	265.201	
Leg for bottom landing ISMC 150 x 75	4*2	2.350			16.4	308.320	
Bracing-1 ISA 75 x 75 x 8	2*2	2.000			8.9	71.200	
Bracing-2 ISA 75 x 75 x 8	2*2	0.700			8.9	24.920	
Cleat ISA 75 x 75 x 8	8*2	0.180			8.9	25.632	

Ladder rail top ISMC 200 x 75	2*2	3.450			22.1	304.980	
Top landing frame-1 ISMC 200 x 75	2*2	1.500			22.1	132.601	
Top landing frame-2 ISMC 200 x 75	2*2	2.200			22.1	194.481	
Wall support ISMC 150 x 75	2*2	2.120			16.4	139.072	
Step frame-1 ISA 40 x 40 x 6	50*2	1.350			3.5	472.500	
Step frame-2 ISA 40 x 40 x 6	50*2	0.300			3.5	105.000	
Hand rail post -1 ISA 65 X 65 X 6	19*2	1.100			5.8	242.441	
Hand rail post -2 ISA 65 X 65 X 6	3*2	1.150			5.8	40.020	
Hand rail bottom MS flat 50 x 8	1*2	23.600	0.050	8.000	7.85	148.209	
Gate frame vertical ISA 40 x 40 x 6	2*2	0.390			3.5	5.460	
Gate frame horizontal ISA 40 x 40 x 6	2*2	1.060			3.5	14.840	
Hoisting bridge Type-2 (7.69x3.5M)							
Cross girder-1 (C-6), ISMC 300 x 90	4*2	2.090			35.8	598.576	
Cross girder-2 (C-4), ISMC 200 x 75	2*2	2.090			22.1	184.756	
Cross girder-3 (C-3), ISMC 150 x 75	4*2	0.670			16.4	87.904	
Cross girder-4 (C-2), ISMC 150 x 75	2*2	1.080			16.4	70.848	
Cross girder-5 (C-7), ISMC 150 x 75	8*2	2.090			16.4	548.416	
Walk way supporting channel ISA 65 x 65 x 6	34*2	0.100			5.8	39.441	
Catwalk main support ISMC 150 X 75	8*2	0.595			16.4	156.128	

	MS chequered plate - 6mm	2*2	0.670	0.230		49.2	30.327		
	MS chequered plate - 6mm	2*2	1.020	0.450		49.2	90.332		
	MS chequered plate - 6mm	1*2	2.030	1.950		49.2	389.517		
	MS chequered plate - 6mm	1*2	2.030	1.950		49.2	389.517		
	MS chequered plate - 6mm	1*2	8.995	0.410		49.2	362.895		
	Hoisting platform Type-1 (12.69x3.65)								
	MS chequered plate - 6mm	2*10	2.050	2.750		49.2	5547.300		
	MS chequered plate - 6mm	4*10	1.150	0.985		49.2	2229.252		
	MS chequered plate - 6mm	2*10	0.495	0.880		49.2	428.631		
	MS chequered plate - 6mm	2*10	0.835	0.280		49.2	230.060		
	MS chequered plate - 6mm	2*10	2.050	1.800		49.2	3630.960		
	MS chequered plate - 6mm	1*10	13.990	0.410		49.2	2822.063		
	Total Quantity						18416.538 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						18416.538 kg		
	Say 18416.538 kg @ Rs 73.33 / kg						Rs 1350484.73		
4	od153259/2019_2020 Supply of NB 32mm GI pipe								
	Hand rails NB 32								
	Hand rails of hoist bridge Type-1	2*10	13.990				279.800		
	Hand rails of hoist bridge Type-2	2*2	9.652				38.608		
	Hand rails of hoist bridge Type-2 side	1*2	4.010				8.020		
	Ladder hand rail	1*2	23.600				47.200		

	Total Quantity						373.628 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						373.628 metre	
	Say 373.628 metre @ Rs 220.96 / metre						Rs 82556.84	
5	od153275/2019_2020 Supply of MS Bolts and Nuts							
	Type-2 (7.69x3.65)							
	M16x35 Bolts W/nuts	16*2				0.13	4.000	
	M16x50 Bolts W/nuts	8*2				0.14	2.176	
	M12x100 Bolts W/nuts	24*2				0.12	5.664	
	M30x135 Bolts W/nuts	4*2				1.13	9.040	
	M16x30 Hexagonal screws	16*2*2				0.11	6.848	
	M16x100 Bolts W/nuts	8*2*2				0.21	6.848	
	M16x65 Bolts W/nuts	6*2*2				0.16	3.840	
	M16x65 screw	4*2*2				0.22	3.440	
	Screw M6x20	6*2*2				0.01	0.140	
	Screw M6x15	8*2*2				0.0	0.135	
	Screw M6x15	8*2*2				0.0	0.135	
	M12x40 Bolts W/nuts	16*2*2				0.06	4.000	
	Washer	304				0.01	3.040	
	Type-1 (12.69x3.65)							
	M16x80 Bolts W/nuts	8*10				0.18	14.720	
	M16x50 Bolts W/nuts	8*10				0.14	114.241	
	M16x60 Bolts W/nuts	8*10				0.15	12.160	
	M16x60 Bolts W/nuts	8*10				0.06	4.561	
	M20x100 Bolts W/nuts	4*10				0.36	14.280	
	M12x65 Bolts W/nuts	6*10				0.09	5.160	
	M20x100 Bolts W/nuts	12*10				0.36	42.840	
	M12x60 Bolts W/nuts	20*10				0.08	16.200	
	M16x120 Bolts W/nuts	8*2*10				0.25	39.360	
	M16x40 Bolts W/nuts	16*2*10				0.12	38.400	
	M8 Hex screw	8*2*10				0.02	2.400	

	M12x40 Bolts W/nuts	16*2*10				0.06	20.000		
	M16x55 Bolts W/nuts	4*10				0.15	5.880		
	M16x70 Bolts W/nuts	6*2*10				0.17	20.160		
	M6x25 screw	8*10				0.01	0.528		
	M16x40 Bolts W/nuts	48*10				0.12	58.080		
	Washer	360				0.01	3.600		
	Total Quantity						461.876 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						461.876 kg		
	Say 461.876 kg @ Rs 77.77 / kg						Rs 35920.10		
6	85.107 Supply of MS round bar including cost of conveyance charges								
	Type-2 (7.69x3.65)								
	Dia 16mm Rod	4*2	0.260			1.58	3.287		
	Handle-1 16mm Rod	2*2*2	0.300			1.58	3.792		
	Handle-2 16mm Rod	1*2*2	0.280			1.58	1.770		
	Handle-3 16mm Rod	1*2*2	0.400			1.58	2.529		
	Type-1 (12.69x3.65)								
	Dia 12mm Rod	2*10	0.300			0.89	5.340		
	Handle-1 16mm Rod	2*2*10	0.300			1.58	18.960		
	Handle-2 16mm Rod	1*2*10	0.280			1.58	8.848		
	Handle-3 16mm Rod	1*2*10	0.400			1.58	12.640		
	Type-1 (12.69x3.65)								
	Rod 25mmx750mm W/2 Nuts	16*10				3.85	616.000		
	Washer	16*10				0.06	9.600		
	Type-2 (7.69x3.65)								
	Rod M25 x 750m with 2 Nuts	16*2				3.85	123.200		
	Washer	16*2				0.06	1.920		
	MS Rod for ladder foundation								
	J Type anchor rod 16mm for ladder	24*2	0.310			1.58	23.511		
	Total Quantity						831.397 kg		

		Total Deducted Quantity					0.000 kg	
		Net Total Quantity					831.397 kg	
		Say 831.397 kg @ Rs 64.18 / kg					Rs 53359.06	
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							
MS Rod for ladder foundation								
	J Type anchor rod 16mm for ladder	24*2	0.310			1.58	23.511	
Anchor Rod - Type-1 (12.69x3.65)								
	Rod 25mm x 750mm W/2 Nuts	16*10				3.85	616.000	
Type-1 (12.69x3.65)								
	Dia 12mm Rod	2*10	0.300			0.89	5.340	
	Handle-1 16mm Rod	2*2*10	0.300			1.58	18.960	
	Handle-2 16mm Rod	1*2*10	0.280			1.58	8.848	
	Handle-3 16mm Rod	1*2*10	0.400			1.58	12.640	
Type-2 (7.69x3.65)								
	Dia 16mm Rod	4*2	0.260			1.58	3.287	
	Handle-1 16mm Rod	2*2*2	0.300			1.58	3.792	
	Handle-2 16mm Rod	1*2*2	0.280			1.58	1.770	
	Handle-3 16mm Rod	1*2*2	0.400			1.58	2.529	
Chequered plate for ladder								
	Landing platform- B o t t o m - 6 m m chequered sheet	1*2	3.000	1.000		49.2	295.201	
	Landing platform-Top- 6mm chequered sheet	1*2	2.200	1.500		49.2	324.720	
	Step-6mm chequered sheet	25*2	1.350	0.300		49.2	996.301	
	Gate-6mm chequered sheet	1*2	1.390	1.060		49.2	144.983	
Hoisting platform Type-1 (12.69x3.65)								

MS chequerd plate 6mm	2*10	2.050	2.750		49.2	5547.300	
MS chequerd plate 6mm	4*10	1.150	0.985		49.2	2229.252	
MS chequerd plate 6mm	2*10	0.495	0.880		49.2	428.631	
MS chequerd plate 6mm	2*10	0.835	0.280		49.2	230.060	
MS chequerd plate 6mm	2*10	2.050	1.800		49.2	3630.960	
MS chequerd plate 6mm	1*10	13.990	0.410		49.2	2822.063	
Hoisting platform Type-2 (7.69x3.65)							
MS chequerd plate 6mm	2*2	2.040	0.570		49.2	228.840	
MS chequerd plate 6mm	2*2	0.745	0.860		49.2	126.090	
MS chequerd plate 6mm	2*2	1.020	0.745		49.2	149.549	
MS chequerd plate 6mm	2*2	0.670	0.230		49.2	30.327	
MS chequerd plate 6mm	2*2	1.020	0.450		49.2	90.332	
MS chequerd plate 6mm	1*2	2.030	1.950		49.2	389.517	
MS chequerd plate 6mm	1*2	2.030	1.950		49.2	389.517	
MS chequerd plate 6mm	1*2	8.995	0.410		49.2	362.895	
MS section for ladder							
Ladder rail bottom ISMC 200x75	2*2	3.610			22.1	319.124	
Bottom landing frame- 1 ISMC 200x75	5*2	1.000			22.1	221.000	
Bottom landing frame- 2 ISMC 200x75	2*2	3.000			22.1	265.201	
Leg for bottom landing ISMC 150x75	4*2	2.350			16.4	308.320	

Bracing-1 ISA 75x75x8	2*2	2.000				8.9	71.200	
Bracing-2 ISA 75x75x8	2*2	0.700				8.9	24.920	
Cleat ISA 75x75x8	8*2	0.180				8.9	25.632	
Ladder rail top ISMC 200X75	2*2	3.450				22.1	304.980	
Top landing frame-1 ISMC 200x75	2*2	1.500				22.1	132.601	
Top landing frame-2 ISMC 200x75	2*2	2.200				22.1	194.481	
Wall support ISMC 150x75	2*2	2.120				16.4	139.072	
Step frame-1 ISA 40X40X6	50*2	1.350				3.5	472.500	
Step frame-2 ISA 40X40X6	50*2	0.300				3.5	105.000	
Hand rail post-1 ISA 65x65x6	19*2	1.100				5.8	242.441	
Hand rail post-2 ISA 65x65x6	3*2	1.150				5.8	40.020	
Hand rail bottom MS flat 50x8	1*2	23.600	0.050	8.000		7.85	148.209	
Gate frame vertical ISA 40x40x6	2*2	0.390				3.5	5.460	
Gate frame horizontal ISA 40x40x6	2*2	1.060				3.5	14.840	
Drive unit Type-1 (12.69x3.65)								
Motor frame-1 ISMC 150x75	2*10	1.570				16.4	514.961	
Motor frame-2 ISMC 150x75	2*10	0.700				16.4	229.600	
Motor frame-3 ISMC 150x75	1*10	0.700				16.4	114.800	
Frame for hand operating mechanism- 1 ISA 75x75x8	4*10	0.900				8.9	320.401	

Frame for hand operating mechanism-2 ISA 75x75x8	2*10	0.400			8.9	71.200	
Frame for hand operating mechanism-3 ISA 75x75x8	2*10	0.500			8.9	89.000	
Worm reducer support-1 ISA 100x100x8	2*10	0.700			12.1	169.400	
Brake frame-1 ISA 75x75x8	2*10	0.700			8.9	124.601	
Motor frame-1 ISA 75x75x8	2*10	0.700			8.9	124.601	
Plummer block frame ISMC 150x75	1*10	0.250			16.4	41.000	
Drive unit cover Type-1 (12.69x3.65)							
Frame-1 ISA 35x35x6	2*10	0.840			3.0	50.401	
Frame-2 ISA 35x35x6	2*10	1.000			3.0	60.000	
Frame-2 ISA 35x35x6	2*10	0.180			3.0	10.800	
Frame-4 ISA 35x35x6	2*10	0.994			3.0	59.640	
Frame-5 ISA 35x35x6	2*10	2.300			3.0	138.000	
Frame-6 ISA 35x35x6	2*10	0.840			3.0	50.401	
Frame-7 ISA 35x35x6	3*10	0.770			3.0	69.301	
Inspection window supporting angle ISA 35x35x6	1*10	0.850			3.0	25.500	
Gear box assy Type-1 (12.69x3.65)							
Winch unit frame-1 ISMC 300x90	2*10	0.240			35.8	171.840	
Winch unit frame-2 ISMC 300x90	2*10	1.500			35.8	1074.000	
Winch unit frame-3 ISMC 300x90	2*10	0.770			35.8	551.320	
Winch unit frame-4 ISMC 300x90	2*10	0.900			35.8	644.400	
Winch unit frame-5 ISMC 300x90	2*10	0.620			35.8	443.920	

Winch unit frame-6 ISMC 300x90	2*10	0.690			35.8	494.040	
Hoisting bridge Type-1 (12.69x3.5M)							
Cross girder-1 (C-6), ISMC 300x90	4*10	2.090			35.8	2992.880	
Cross girder-2 (C-4), ISMC 200x75	2*10	2.090			22.1	923.780	
Cross girder-3 (C-3), ISMC 150X75	4*10	0.770			16.4	505.120	
Cross girder-4 (C-2), ISMC 150x75	2*10	0.979			16.4	321.112	
Cross girder-5 (C-7), ISMC 150X75	10*10	2.090			16.4	3427.600	
Cross girder-6 ISMC 150x75	4*10	0.979			16.4	642.224	
Cross support angle ISA 75x75x8	38*10	0.100			8.9	338.200	
Catwalk main frame ISMC 150X75	14*10	0.595			16.4	1366.120	
Catwalk support angle ISA 75x75x8	14*10	0.150			8.9	186.900	
Longitudinal support ISA 65x65x6	2*10	13.990			5.8	1622.840	
Hand rail post ISA 65X65X6	28*10	1.250			5.8	2030.000	
Hand rail middle 50x8 Flat	2*10	13.990	0.050	8.000	7.85	878.572	
Inclined support ISA 75x75x8	14*10	0.720			8.9	897.120	
Gear box cover Type-2 (7.69x3.65)							
Frame-1 ISA 35x35x5	4*2	2.400			2.6	49.920	
Frame-2 ISA 35x35x5	4*2	0.490			2.6	10.192	
Frame-3 ISA 35x35x5	2*2	0.836			2.6	8.695	
Frame-4 ISA 35x35x5	4*2	0.059			2.6	1.228	
Frame-5 ISA 35x35x5	2*2	0.096			2.6	0.999	
Frame-6 ISA 35x35x5	2*2	0.230			2.6	2.393	
Frame-7 ISA 35x35x5	8*2	0.420			2.6	17.472	

Curved frame-1 50x5 Flat	4*2	1.209	0.050	5.000	7.85	18.982	
Curved frame-2 50x5 Flat	2*2	1.245	0.050	5.000	7.85	9.774	
Frame-1 ISA 35x35x5	4*10	2.200			2.6	228.800	
Frame-2 ISA 35x35x5	4*10	0.540			2.6	56.161	
Frame-3 ISA 35x35x5	2*10	0.828			2.6	43.056	
Frame-4 ISA 35x35x5	4*10	0.132			2.6	13.729	
Frame-5 ISA 35x35x5	2*10	0.175			2.6	9.100	
Frame-6 ISA 35x35x5	2*10	0.073			2.6	3.796	
Frame-7 ISA 35x35x5	8*10	0.470			2.6	97.760	
Curved frame-1 50x5 Flat	4*10	1.074	0.050	5.000	7.85	84.309	
Curved frame-2 50x5 Flat	2*10	1.134	0.050	5.000	7.85	44.510	
Dial gauge Type-2 (7.69x3.65)							
Main frame ISMC 100x50	2*2	0.880			9.2	32.384	
Dial support ISA 50x50x6	2*2	0.050			4.5	0.900	
Dial gauge assy Type-1 (12.69x3.65)							
Main frame-1 ISMC 100x50	2*10	0.925			9.2	170.200	
Dial gauge support ISA 50x50x6	2*10	0.050			4.5	4.500	
Hoisting bride Type-2 (7.69x3.5M)							
Cross girder-1 (C-6), ISMC 300x90	4*2	2.090			35.8	598.576	
Cross girder-2 (C-4), ISMC 200x75	2*2	2.090			22.1	184.756	
Cross girder-3 (C-3), ISMC 150x75	4*2	0.670			16.4	87.904	
Cross girder-4 (C-2), ISMC 150x75	2*2	1.080			16.4	70.848	
Cross girder-5 (C-7), ISMC 150x75	8*2	2.090			16.4	548.416	

Walk way supporting channel ISA 65x65x6	28*2	0.100			5.8	32.481	
Catwalk main support ISMC 150x75	8*2	0.595			16.4	156.128	
Longitudinal support ISA 65x65x6	2*2	8.995			5.8	208.684	
Support ISA 65x65x6	1*2	1.500			5.8	17.400	
Hand rail post ISA 50X50X6	19*2	1.250			4.5	213.750	
Hand rail middle 50x8 Flat	2*2	8.735	0.050	8.000	7.85	109.712	
Hand rail middle 50x8 Flat	1*2	1.600	0.050	8.000	7.85	10.049	
Hand rail support ISA 75x75x8	16*2	0.150			8.9	42.720	
Inclined support ISA 75x785x8	8*2	0.700			8.9	99.680	
Drive unit Type-2 (7.69x3.65)							
Motor frame-1 ISMC 150X75	2*2	1.550			16.4	101.680	
Motor frame-2 ISMC 150X75	2*2	0.700			16.4	45.920	
Motor frame-3 ISMC 150X75	1*2	0.700			16.4	22.960	
Frame of hand operating mechanism-1 ISA 75x75x8	4*2	0.800			8.9	56.961	
Frame of hand operating mechanism-2 ISA 75x75x8	2*2	0.400			8.9	14.241	
Frame of hand operating mechanism-3 ISA 75x75x8	2*2	0.500			8.9	17.800	
Worm reducer support-1 ISA 100x100x8	2*2	0.700			12.1	33.880	
Brake frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	

	Gear frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	
	Plummer block frame ISA 100X100X8	1*2	0.250			12.1	6.050	
	Drive unit cover Type-2 (7.69x3.65)							
	Frame-1 ISA 35x35x6	2*2	0.840			3.0	10.080	
	Frame-2 ISA 35x35x6	2*2	0.935			3.0	11.220	
	Frame-2 ISA 35x35x6	2*2	0.250			3.0	3.000	
	Frame-4 ISA 35x35x6	4*2	1.000			3.0	24.000	
	Frame-5 ISA 35x35x6	2*2	0.770			3.0	9.240	
	Frame-6 ISA 35x35x6	2*2	1.400			3.0	16.800	
	Frame-7 ISA 35x35x6	2*2	0.770			3.0	9.240	
	Gear box assy Type-2 (7.69x3.65)							
	Winch unit frame-1 ISMC 250x80	2*2	1.540			30.4	187.264	
	Winch unit frame-2 ISMC 250x80	2*2	0.670			30.4	81.472	
	Winch unit frame-3 ISMC 250x80	2*2	0.850			30.4	103.360	
	Winch unit frame-4 ISMC 250x80	2*2	0.453			30.4	55.085	
	Winch unit frame-5 ISMC 250x80	2*2	0.770			30.4	93.632	
	Winch unit frame-6 ISMC 250x80	2*2	0.210			30.4	25.536	
	Plate for Ladder							
	Foundation plate landing leg	4*2	0.300	0.200	12.000	7.85	45.216	
	Foundation plate ladder leg	2*2	0.400	0.200	12.000	7.85	30.145	
	Stiffener for leg	4*2	0.150	0.100	8.000	7.85	7.536	
	Top plate for landing leg	4*2	0.200	0.100	12.000	7.85	15.073	
	Joint plate for top landing to hoisting girder	4*2	0.200	0.180	12.000	7.85	27.130	

Anchoring plate for wall support	2*2	0.400	0.400	12.000	7.85	60.289	
Top plate for diagonal support	2*2	0.400	0.100	12.000	7.85	15.073	
Dial assembly Type-1 (12.69x3.65)							
Base plate 8mm plate	1*10	0.470	0.300	8.000	7.85	88.548	
Stiffener plate-1 10mm plate	2*10	0.185	0.150	10.000	7.85	43.568	
Stiffener plate-2 10mm plate	1*10	0.170	0.150	10.000	7.85	20.018	
Shim 2mm plate	1*10	0.165	0.060	2.000	7.85	1.555	
Plummer block base plate 10mm plate	1*10	0.280	0.090	10.000	7.85	19.782	
Stiffener plate-1 10mm plate	2*10	0.100	0.090	10.000	7.85	14.130	
Stiffener plate-2 10mm plate	2*10	0.276	0.230	10.000	7.85	99.664	
Lifting arrangement Type-1 (12.69x3.65)							
Lifting bracket frame-1 12mm plate	4*10	1.030	0.590	12.000	7.85	2289.814	
Lifting bracket side plate-1 10mm plate	4*10	0.300	0.130	10.000	7.85	122.461	
Lifting bracket stiffener-1 10mm plate	6*10	0.100	0.080	10.000	7.85	37.680	
Lifting bracket stiffener-2 10mm plate	2*10	0.140	0.100	10.000	7.85	21.980	
Lifting bracket stiffener-3 10mm plate	4*10	0.100	0.100	10.000	7.85	31.401	
Rope guard 3.15 sheet	4*10	0.650	0.100	3.150	7.85	64.292	
Pin lock plate-1 10mm plate	12*10	0.180	0.180	10.000	7.85	305.208	
Lock plate - 10mm plate	24*10	0.130	0.050	10.000	7.85	122.461	
Spacer OD-150, ID-82, 8thk	8*10	0.150	0.150	8.000	7.85	113.040	
Pin cover-1 10mm plate	4*10	0.080	0.025	10.000	7.85	6.280	

Lifting bracket main frame-1 16mm plate	4*10	1.370	0.250	16.000	7.85	1720.720	
Lifting bracket main frame-2 10mm plate	2*10	1.100	0.128	10.000	7.85	221.056	
Lifting bracket base 10mm plate	2*10	1.050	0.400	10.000	7.85	659.400	
Traverse plate lifting bracket-1 10mm plate	2*10	1.100	0.692	10.000	7.85	1195.084	
Traverse plate lifting bracket-2 10mm plate	2*10	1.419	0.210	10.000	7.85	467.845	
Wheels and pinion Type-1 (12.69x3.65)							
Wheel lock plate 15mm plate	12*10	0.025	0.070	15.000	7.85	24.728	
Gear box assembly Type-2 (7.69x3.65)							
Frame extension plate-1 10mm plate	2*2	1.540	0.060	10.000	7.85	29.014	
Frame extension plate-2 10mm plate	2*2	0.690	0.060	10.000	7.85	13.000	
Drum support plate-1 10mm plate	8*2	0.220	0.080	10.000	7.85	22.106	
Drum support plate-2 10mm plate	4*2	0.150	0.080	10.000	7.85	7.536	
Stiffener-1 10mm plate	10*2	0.226	0.130	10.000	7.85	46.127	
Stiffener-2 10mm plate	2*2	0.222	0.070	10.000	7.85	4.880	
Drum shaft support plate-1 20mm plate	4*2	0.460	0.350	20.000	7.85	202.216	
Drum shaft support plate-1 20mm plate	4*2	0.280	0.100	20.000	7.85	35.168	
Plummer block base-1 20mm plate	4*2	0.275	0.090	20.000	7.85	31.086	
Plummer block base-2 30mm plate	4*2	0.255	0.090	30.000	7.85	43.238	
Spacer OD-200, ID72, 8 thk	4*2	0.200	0.200	8.000	7.85	20.097	
Dial assembly Type-2 (7.69x3.65)							
Base plate 8mm plate	1*2	0.450	0.300	8.000	7.85	16.956	

stiffener plate-1 10mm plate	2*2	0.185	0.150	10.000	7.85	8.714	
stiffener plate-2 10mm plate	1*2	0.170	0.150	10.000	7.85	4.004	
Shim 2mm plate	1*2	0.165	0.050	2.000	7.85	0.260	
Plummer block base 10mm plate	1*2	0.260	0.090	10.000	7.85	3.674	
Stiffener plate-1 10mm plate	2*2	0.100	0.090	10.000	7.85	2.826	
Stiffener plate-2 10mm plate	2*2	0.236	0.210	10.000	7.85	15.562	
Hoisting bridge Type-2 (7.69x3.65M)							
Longitudinal girder flange 16mm plate	4*2	8.990	0.150	16.000	7.85	1354.973	
Longitudinal girder web 10mm plate	2*2	8.990	1.200	10.000	7.85	3387.432	
Web stiffener end side 10mm plate	8*2	1.216	0.160	10.000	7.85	244.368	
Base plate main girder 20mm plate	6*2	0.290	0.340	20.000	7.85	185.763	
Alignment base plate-1 10mm plate	2*2	0.290	0.340	10.000	7.85	30.961	
Alignment base plate-2 10mm plate	4*2	0.590	0.340	10.000	7.85	125.977	
Web stiffener-1 10mm plate	8*2	0.910	0.065	10.000	7.85	74.293	
Web stiffener-2 10mm plate	4*2	1.010	0.065	10.000	7.85	41.229	
Web stiffener-3 10mm plate	16*2	1.060	0.065	10.000	7.85	173.077	
Web stiffener-4 10mm plate	28*2	1.200	0.065	10.000	7.85	342.888	
Pulley frame-1 16mm plate	4*2	0.792	0.550	16.000	7.85	437.691	
Pin lock plate 10mm plate	8*2	0.120	0.050	10.000	7.85	7.536	
Spacer OD-180, ID-92, 8 thk	4*2	0.180	0.180	8.000	7.85	16.278	

Spacer plate 10mm plate	2*2	0.150	0.150	10.000	7.85	7.065	
Anchor rod plate Dia 100x10 Thk	16*2	0.100	0.100	10.000	7.85	25.121	
Gear box assembly type-1 (12.69x3.65)							
Frame extension plate-1 10mm plate	2*10	1.500	0.060	10.000	7.85	141.300	
Frame extension plate-2 10mm plate	2*10	0.600	0.060	10.000	7.85	56.520	
Stiffener-1 10mm plate	10*10	0.276	0.140	10.000	7.85	303.325	
Stiffener-2 10mm plate	2*10	0.273	0.080	10.000	7.85	34.289	
Drum support plate-1 10mm plate	8*10	0.120	0.090	10.000	7.85	67.824	
Drum support plate-2 10mm plate	4*10	0.090	0.060	10.000	7.85	16.956	
Drum shaft support plate-1 20mm plate	4*10	0.525	0.350	20.000	7.85	1153.950	
Drum shaft support plate-1 20mm plate	4*10	0.280	0.100	20.000	7.85	175.840	
Spacer OD-160, ID-76, 8mm Thk	4*10	0.160	0.160	8.000	7.85	64.308	
Plummer block frame	8*10	0.260	0.100	50.000	7.85	816.400	
Drive unit Type-2 (7.69x3.65M)							
Worm reducer base-1 10mm plate	1*2	0.375	0.300	10.000	7.85	17.663	
Worm reducer angle support-1 10mm plate	4*2	0.090	0.090	10.000	7.85	5.087	
Worm reducer angle support-2 10mm plate	2*2	0.135	0.100	10.000	7.85	4.239	
Brake support-1 10mm plate	1*2	0.350	0.125	10.000	7.85	6.869	
Brake support stiffener-2 10mm plate	4*2	0.065	0.065	10.000	7.85	2.654	
Base plate motor-10mm plate	1*2	0.220	0.200	10.000	7.85	6.908	

	Base plate stiffener motor-1 10mm plate	1*2	0.100	0.054	10.000	7.85	0.848	
	Base plate stiffener motor-2 10mm plate	2*2	0.065	0.065	10.000	7.85	1.327	
	Plummer block support Type-1 (12.69x3.65M)							
	Plummer block base 10mm plate	8*10	0.300	0.150	10.000	7.85	282.600	
	Plummer block support-1 10mm plate	4*10	0.330	0.300	10.000	7.85	310.860	
	Plummer block support-2 10mm plate	4*10	0.330	0.130	10.000	7.85	134.706	
	Wheels and pinion Type-2 (7.69x3.65)							
	Wheel lock plate 12mm plate	12*2	0.025	0.100	12.000	7.85	5.653	
	Plummer block support Type-2 (7.69x3.65M)							
	Plummer block base 10mm plate	4*2	0.300	0.150	10.000	7.85	28.260	
	Plummer block support-1 10mm plate	2*2	0.330	0.300	10.000	7.85	31.086	
	Plummer block support-2 10mm plate	2*2	0.330	0.130	10.000	7.85	13.471	
	Drive unit cover Type-2 (7.69x3.65M)							
	Side cover-1 3.15 sheet	2*2	1.355	0.965	3.150	7.85	129.333	
	Side cover-2 3.15 sheet	2*2	0.965	0.820	3.150	7.85	78.268	
	Top cover-1 3.15 sheet	1*2	1.400	0.820	3.150	7.85	56.775	
	Plate for top cover 8mm plate	1*2	0.100	0.100	8.000	7.85	1.257	
	Handle plate 5mm plate	2*2	0.595	0.055	5.000	7.85	5.138	
	Drive unit cover Type-1 (12.69x3.65M)							
	Side cover-1 3.15 sheet	2*10	1.472	0.970	3.150	7.85	706.139	
	Side cover-2 3.15 sheet	1*10	0.970	0.820	3.150	7.85	196.683	

	Side cover-3 3.15 sheet	1*10	0.670	0.820	3.150	7.85	135.853	
	Top cover-1 3.15 sheet	1*10	1.640	0.820	3.150	7.85	332.536	
	Plate on side plate 5mm plate	1*10	0.150	0.150	5.000	7.85	8.832	
	Plate at the opening of both side-5mm plate	2*10	1.100	0.050	5.000	7.85	43.175	
	Hoisting bridge Type-1 (12.69x3.65M)							
	Longitudinal girder flange 16mm plate	4*10	13.990	0.150	16.000	7.85	10542.864	
	Longitudinal girder web 10mm plate	2*10	13.990	1.200	10.000	7.85	26357.160	
	Base plate main girder 20mm plate	4*10	0.340	0.290	20.000	7.85	619.209	
	Alignment plate for base plate 10mm plate	4*10	0.590	0.340	10.000	7.85	629.884	
	Web stiffener end side 10mm plate	8*10	1.216	0.160	10.000	7.85	1221.837	
	Anchoring rod end plate Dia 100x10 thk	16*10	0.100	0.100	10.000	7.85	125.601	
	Web stiffener-1 10mm plate	8*10	0.908	0.070	10.000	7.85	399.157	
	Web stiffener-2 10mm plate	4*10	1.008	0.070	10.000	7.85	221.559	
	Web stiffener-3 10mm plate	20*10	1.058	0.070	10.000	7.85	1162.743	
	Web stiffener-4 10mm plate	32*10	1.200	0.070	10.000	7.85	2110.080	
	Hand rail base support 10mm plate	14*10	0.250	0.135	10.000	7.85	370.913	
	Pulley frame 16mm plate	4*10	1.192	0.525	16.000	7.85	3144.020	
	Pulley pin lock plate 10mm	16*10	0.160	0.050	10.000	7.85	100.480	
	Pulley - spacer OD180, ID 82, 8mm thk	8*10	0.180	0.180	8.000	7.85	162.778	

	Plate connect hoist bridge, 10mm plate	2*10	0.150	0.150	10.000	7.85	35.325		
	Drive unit Type-1 (12.69x3.65M)								
	Worm reducer base-1 10mm plate	1*10	0.380	0.360	10.000	7.85	107.388		
	Worm reducer angle support-1 10mm plate	4*10	0.090	0.090	10.000	7.85	25.434		
	Worm reducer angle support-2 10mm plate	2*10	0.147	0.100	10.000	7.85	23.079		
	Brake support-1 10mm plate	1*10	0.360	0.140	10.000	7.85	39.564		
	Brake support stiffener-2 10mm plate	4*10	0.065	0.065	10.000	7.85	13.267		
	Base plate motor 10mm plate	1*10	0.240	0.190	10.000	7.85	35.796		
	Base plate stiffener motor-1 10mm plate	2*10	0.065	0.065	10.000	7.85	6.634		
	Base plate stiffener motor-2 10mm plate	1*10	0.075	0.050	10.000	7.85	2.944		
	Gear box cover Type-1 (12.69x3.65)								
	Cover-1 3.15 sheet	2*10	2.200	0.530	3.150	7.85	576.646		
	Cover-1 3.15 sheet	4*10	1.415	0.575	3.150	7.85	804.757		
	Cover-1 3.15 sheet	2*10	0.310	0.210	3.150	7.85	32.196		
	Gear box cover Type-2 (7.69x3.65)								
	Cover-1 3.15 sheet	2*2	2.400	0.480	3.150	7.85	113.945		
	Cover-1 3.15 sheet	4*2	1.455	0.675	3.150	7.85	194.284		
	Cover-1 3.15 sheet	2*2	0.310	0.210	3.150	7.85	6.440		
	Anchor Rod-Type-2 (7.69x3.65)								
	Rod M25x750mm with 2 Nuts	16*2				3.85	123.200		
	Total Quantity						117731.445 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						117731.445 kg		
	Say 117731.445 kg @ Rs 58.93 / kg						Rs 6937914.05		
8	od153968/2019_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 as per the direction of departmental officer at site. Enamel paint with grit blasting								
Lifting arrangement Type-1 (12.69x3.65)								
Lifting bracket frame-1 12mm plate	4*10	1.030	0.590			2.0	48.616	
Lifting bracket side plate-1 10mm plate	4*10	0.300	0.130			2.0	3.120	
Lifting bracket stiffener-1 10mm plate	6*10	0.100	0.080			2.0	0.960	
Lifting bracket stiffener-2 10mm plate	2*10	0.140	0.100			2.0	0.560	
Lifting bracket stiffener-3 10mm plate	4*10	0.100	0.100			2.0	0.801	
Rope guard 3.15 sheet	4*10	0.650	0.100			2.0	5.200	
Pin lock plate-1 10mm plate	12*10	0.180	0.180			2.0	7.776	
Lock plate - 10mm plate	24*10	0.130	0.050			2.0	3.120	
Spacer OD-150, ID- 82, 8thk	8*10	0.150	0.150			2.0	3.600	
Pin cover-1 10mm plate	4*10	0.080	0.025			2.0	0.160	
Lifting bracket main frame-1 16mm plate	4*10	1.370	0.250			2.0	27.401	
Lifting bracket main frame-2 10mm plate	2*10	1.100	0.128			2.0	5.633	
Lifting bracket base 10mm plate	2*10	1.050	0.400			2.0	16.800	
Traverse plate lifting bracket-1 10mm plate	2*10	1.100	0.692			2.0	30.448	
Traverse plate lifting bracket-2 10mm plate	2*10	1.419	0.210			2.0	11.920	
Gear box assy Type-1 (12.69x3.65)								
Winch unit frame-1 ISMC 300x90	2*10	0.240				0.96	4.608	

Winch unit frame-2 ISMC 300x90	2*10	1.500			0.96	28.800	
Winch unit frame-3 ISMC 300x90	2*10	0.770			0.96	14.784	
Winch unit frame-4 ISMC 300x90	2*10	0.900			0.96	17.280	
Winch unit frame-5 ISMC 300x90	2*10	0.620			0.96	11.904	
Winch unit frame-6 ISMC 300x90	2*10	0.690			0.96	13.248	
Drive unit cover Type-1 (12.69x3.65)							
Frame-1 ISA 35x35x6	2*10	0.840			0.14	2.353	
Frame-2 ISA 35x35x6	2*10	1.000			0.14	2.801	
Frame-2 ISA 35x35x6	2*10	0.180			0.14	0.504	
Frame-4 ISA 35x35x6	2*10	0.994			0.14	2.784	
Frame-5 ISA 35x35x6	2*10	2.300			0.14	6.440	
Frame-6 ISA 35x35x6	2*10	0.840			0.14	2.353	
Frame-7 ISA 35x35x6	3*10	0.770			0.14	3.235	
Inspection window supporting angle ISA 35x35x6	1*10	0.850			0.14	1.191	
Drive unit Type-2 (7.69x3.65M)							
Worm reducer base-1 10mm plate	1*2	0.375	0.300		2.0	0.450	
Worm reducer angle support-1 10mm plate	4*2	0.090	0.090		2.0	0.130	
Worm reducer angle support-2 10mm plate	2*2	0.135	0.100		2.0	0.109	
Brake support-1 10mm plate	1*2	0.350	0.125		2.0	0.175	
Brake support stiffener-2 10mm plate	4*2	0.065	0.065		2.0	0.068	
Base plate motor- 10mm plate	1*2	0.220	0.200		2.0	0.177	
Base plate stiffener motor-1 10mm plate	1*2	0.100	0.054		2.0	0.022	

	Base plate stiffener motor-2 10mm plate	2*2	0.065	0.065		2.0	0.034	
	Dial assembly Type-1 (12.69x3.65)							
	Base plate 8mm plate	1*10	0.470	0.300		2.0	2.820	
	Stiffener plate-1 10mm plate	2*10	0.185	0.150		2.0	1.110	
	Stiffener plate-2 10mm plate	1*10	0.170	0.150		2.0	0.510	
	Shim 2mm plate	1*10	0.165	0.060		2.0	0.198	
	Plummer block base plate 10mm plate	1*10	0.280	0.090		2.0	0.504	
	Stiffener plate-1 10mm plate	2*10	0.100	0.090		2.0	0.360	
	Stiffener plate-2 10mm plate	2*10	0.276	0.230		2.0	2.540	
	Wheels and pinion Type-1 (12.69x3.65)							
	Wheel lock plate 15mm plate	12*10	0.025	0.070		2.0	0.421	
	Gear box assembly type-2 (7.69x3.65)							
	Frame extension plate-1 10mm plate	2*2	1.540	0.060		2.0	0.740	
	Frame extension plate-2 10mm plate	2*2	0.690	0.060		2.0	0.332	
	Drum support plate-1 10mm plate	8*2	0.220	0.080		2.0	0.564	
	Drum support plate-2 10mm plate	4*2	0.150	0.080		2.0	0.192	
	Stiffener-1 10mm plate	10*2	0.226	0.130		2.0	1.176	
	Stiffener-2 10mm plate	2*2	0.222	0.070		2.0	0.125	
	Drum shaft support plate-1 20mm plate	4*2	0.460	0.350		2.0	2.576	
	Drum shaft support plate-1 20mm plate	4*2	0.280	0.100		2.0	0.449	
	Plummer block base-1 20mm plate	4*2	0.275	0.090		2.0	0.396	

	Plummer block base-2 30mm plate	4*2	0.255	0.090		2.0	0.368	
	Spacer OD-200, ID72, 8thk	4*2	0.200	0.200		2.0	0.641	
	Hoisting bridge Type-2 (7.69x3.65M)							
	Longitudinal girder flange 16mm plate	4*2	8.990	0.150		2.0	21.576	
	Longitudinal girder web 10mm plate	2*2	8.990	1.200		2.0	86.304	
	Web stiffener end side 10mm plate	8*2	1.216	0.160		2.0	6.226	
	Base plate main girder 20mm plate	6*2	0.290	0.340		2.0	2.367	
	Alignment base plate- 1 10mm plate	2*2	0.290	0.340		2.0	0.789	
	Alignment base plate- 2 10mm plate	4*2	0.590	0.340		2.0	3.210	
	Web stiffener-1 10mm plate	8*2	0.910	0.065		2.0	1.893	
	Web stiffener-2 10mm plate	4*2	1.010	0.065		2.0	1.051	
	Web stiffener-3 10mm plate	16*2	1.060	0.065		2.0	4.410	
	Web stiffener-4 10mm plate	28*2	1.200	0.065		2.0	8.736	
	Pulley frame-1 16mm plate	4*2	0.792	0.550		2.0	6.970	
	Pin lock plate 10mm plate	8*2	0.120	0.050		2.0	0.192	
	Spacer OD-180, ID- 92, 8 thk	4*2	0.180	0.180		2.0	0.519	
	Spacer plate 10mm plate	2*2	0.150	0.150		2.0	0.180	
	Anchor rod plate Dia 100x10 Thk	16*2	0.100	0.100		2.0	0.641	
	Gear box assembly Type-1 (12.69x3.65)							
	Frame extension plate-1 10mm plate	2*10	1.500	0.060		2.0	3.600	

	Frame extension plate-2 10mm plate	2*10	0.600	0.060		2.0	1.440	
	Stiffener-1 10mm plate	10*10	0.276	0.140		2.0	7.729	
	Stiffener-2 10mm plate	2*10	0.273	0.080		2.0	0.874	
	Drum support plate-1 10mm plate	8*10	0.120	0.090		2.0	1.728	
	Drum support plate-2 10mm plate	4*10	0.090	0.060		2.0	0.432	
	Drum shaft support plate-1 20mm plate	4*10	0.525	0.350		2.0	14.700	
	Drum shaft support plate-1 20mm plate	4*10	0.280	0.100		2.0	2.240	
	Spacer OD-160, ID-76, 8mm thk	4*10	0.160	0.160		2.0	2.048	
	Plummer block frame	8*10	0.260	0.100		2.0	4.160	
	Plummer block support Type-1 (12.69x3.65M)							
	Plummer block base 10mm plate	8*10	0.300	0.150		2.0	7.200	
	Plummer block support-1 10mm plate	4*10	0.330	0.300		2.0	7.920	
	Plummer block support-2 10mm plate	4*10	0.330	0.130		2.0	3.432	
	Wheels and pinion Type-2 (7.69x3.65)							
	Wheel lock plate 12mm plate	12*2	0.025	0.100		2.0	0.121	
	Plummer block support Type-2 (7.69x3.65M)							
	Plummer block base 10mm plate	4*2	0.300	0.150		2.0	0.720	
	Plummer block support-1 10mm plate	2*2	0.330	0.300		2.0	0.792	
	Plummer block support-2 10mm plate	2*2	0.330	0.130		2.0	0.344	
	Drive unit cover Type-2 (7.69x3.65M)							
	Side cover-1 3.15 sheet	2*2	1.355	0.965		2.0	10.461	

Side cover-2 3.15 sheet	2*2	0.965	0.820		2.0	6.331	
Top cover-1 3.15 sheet	1*2	1.400	0.820		2.0	4.592	
Plate for top cover 8mm sheet	1*2	0.100	0.100		2.0	0.041	
Handle plate 5mm plate	2*2	0.595	0.055		2.0	0.262	
Drive unit cover Type-1 (12.69x3.65M)							
Side sheet-1 3.15 sheet	2*10	1.472	0.970		2.0	57.114	
Side sheet-2 3.15 sheet	1*10	0.970	0.820		2.0	15.908	
Side sheet-3 3.15 sheet	1*10	0.670	0.820		2.0	10.988	
Top cover-1 3.15 sheet	1*10	1.640	0.820		2.0	26.896	
Plate on side plate-5mm plate	1*10	0.150	0.150		2.0	0.450	
Plate at the opening of both side - 5mm plate	2*10	1.100	0.050		2.0	2.200	
Hoisting bridge Type-1 (12.69x3.65M)							
Longitudinal girder flange 16mm plate	4*10	13.990	0.150		2.0	167.880	
Longitudinal girder web 10mm plate	2*10	13.990	1.200		2.0	671.520	
Base plate main girder 20mm plate	4*10	0.340	0.290		2.0	7.889	
Alignment plate for base plate 10mm plate	4*10	0.590	0.340		2.0	16.049	
Web stiffener end side 10mm plate	8*10	1.216	0.160		2.0	31.130	
Anchoring rod end plate Dia 100x10 Thk	16*10	0.100	0.100		2.0	3.201	
Web stiffener-1 10mm plate	8*10	0.908	0.070		2.0	10.170	

Web stiffener-2 10mm plate	4*10	1.008	0.070		2.0	5.645	
Web stiffener-3 10mm plate	20*10	1.058	0.070		2.0	29.625	
Web stiffener-4 10mm plate	32*10	1.200	0.070		2.0	53.761	
Hand rail base support 10mm plate	14*10	0.250	0.135		2.0	9.451	
Pulley frame 16mm plate	4*10	1.192	0.525		2.0	50.064	
Pulley pin lock plate 10mm	16*10	0.160	0.050		2.0	2.560	
Pulley-spacer OD 180, ID 82, 8mm thk	8*10	0.180	0.180		2.0	5.184	
Plate connect hoist bridge, 10mm plate	2*10	0.150	0.150		2.0	0.900	
Drive unit Type-1 (12.69x3.65M)							
Worm reducer base-1 10mm plate	1*10	0.380	0.360		2.0	2.736	
Worm reducer angle support-1 10mm plate	4*10	0.090	0.090		2.0	0.648	
Worm reducer angle support-2 10mm plate	2*10	0.147	0.100		2.0	0.588	
Brake support-1 10mm plate	1*10	0.360	0.140		2.0	1.008	
Brake support stiffener-2 10mm plate	4*10	0.065	0.065		2.0	0.338	
Base plate motor 10mm plate	1*10	0.240	0.190		2.0	0.912	
Base plate stiffener motor-1 10mm plate	2*10	0.065	0.065		2.0	0.169	
Base plate stiffener motor-2 10mm plate	1*10	0.075	0.050		2.0	0.075	
Gear box cover Type-1 (12.69x3.65)							
Cover-1 3.15 sheet	2*10	2.200	0.530		2.0	46.641	
Cover-1 3.15 sheet	4*10	1.415	0.575		2.0	65.090	
Cover-1 3.15 sheet	2*10	0.310	0.210		2.0	2.604	

Gear box cover Type-2 (7.69x3.65)								
Cover-1 3.15 sheet	2*2	2.400	0.480		2.0	9.216		
Cover-1 3.15 sheet	4*2	1.455	0.675		2.0	15.715		
Cover-1 3.15 sheet	2*2	0.310	0.210		2.0	0.521		
Plate for ladder								
Foundation plate landing leg	4*2	0.300	0.200		2.0	0.960		
Foundation plate ladder rail	2*2	0.400	0.200		2.0	0.641		
Stiffener for leg	4*2	0.150	0.100		2.0	0.240		
Top plate for landing leg	4*2	0.200	0.100		2.0	0.321		
Joint plate for top landing to hoisting girder	4*2	0.200	0.180		2.0	0.576		
Anchoring plate for wall support	2*2	0.400	0.400		2.0	1.281		
Top plate for diagonal support	2*2	0.400	0.100		2.0	0.321		
Other Engineering Components								
Dial assembly Type-2 (7.69x3.65)								
Base plate 8mm plate	1*2	0.450	0.300		2.0	0.540		
Stiffener plate-1 10mm plate	2*2	0.185	0.150		2.0	0.222		
Stiffener plate-2 10mm plate	1*2	0.170	0.150		2.0	0.103		
Shim 2mm plate	1*2	0.165	0.050		2.0	0.033		
Plummer block base plate 10mm plate	1*2	0.260	0.090		2.0	0.094		
Stiffener plate-1 10mm plate	2*2	0.100	0.090		2.0	0.072		
Stiffener plate-2 10mm plate	2*2	0.236	0.210		2.0	0.397		
Drive unit Type-1(12.69x3.65)								
Motor Frame-1 ISMC 150x75	2*10	1.570			0.6	18.840		
Motor Frame-2 ISMC 150x75	2*10	0.700			0.6	8.400		

Motor Frame-3 ISMC 150x75	1*10	0.700			0.6	4.200	
Frame of hand operating mechanism- 1 ISA 75x75x8	4*10	0.900			0.3	10.800	
Frame of hand operating mechanism- 2 ISA 75x75x8	2*10	0.400			0.3	2.400	
Frame of hand operating mechanism- 3 ISA 75x75x8	2*10	0.500			0.3	3.000	
Worm reducer support-1 ISA 100x100x8	2*10	0.700			0.4	5.601	
Brake frame-1 ISA 75x75x8	2*10	0.700			0.3	4.200	
Motor frame-1 ISA 75x75x8	2*10	0.700			0.3	4.200	
Plummer block frame ISMC 150x75	1*10	0.250			0.6	1.500	
Gear box cover Type-2 (7.69x3.65)							
Frame-1 ISA 35x35x5	4*2	2.400			0.14	2.688	
Frame-2 ISA 35x35x5	4*2	0.490			0.14	0.549	
Frame-3 ISA 35x35x5	2*2	0.836			0.14	0.469	
Frame-4 ISA 35x35x5	4*2	0.059			0.14	0.067	
Frame-5 ISA 35x35x5	2*2	0.096			0.14	0.054	
Frame-6 ISA 35x35x5	2*2	0.230			0.14	0.129	
Frame-7 ISA 35x35x5	8*2	0.420			0.14	0.941	
Curved frame-1 50x5 Flat	4*2	1.209	0.050		2.0	0.968	
Curved frame-2 50x5 Flat	2*2	1.245	0.050		2.0	0.499	
Hoisting bridge Type-2 (7.69x3.5M)							
Cross girder-1 (C-6) ISMC 300x90	4*2	2.090			0.96	16.052	
Cross girder-2 (C-4) ISMC 200x75	2*2	2.090			0.7	5.852	

Cross girder-3 (C-3) ISMC 150x75	4*2	0.670			0.6	3.216	
Cross girder-4 (C-2) ISMC 150x75	2*2	1.080			0.6	2.592	
Cross girder-5 (C-7) ISMC 150x75	8*2	2.090			0.6	20.064	
Walk way supporting channel ISA 65x65x6	28*2	0.100			0.26	1.457	
Catwalk main support ISMC 150x75	8*2	0.595			0.6	5.712	
Longitudinal support ISA 65x65x6	2*2	8.995			0.26	9.355	
Support ISA 65x65x6	1*2	1.500			0.26	0.780	
Hand rail post ISA 50x50x6	19*2	1.250			0.2	9.500	
Hand rail middle 50x8 Flat	2*2	8.735	0.050		2.0	3.494	
Hand rail middle 50x8 Flat	1*2	1.600	0.050		2.0	0.321	
Hand rail support ISA 75x75x8	16*2	0.150			0.3	1.440	
Inclined support ISA 75x75x8	8*2	0.700			0.3	3.360	
MS section for ladder							
Ladder rail bottom ISMC 200x75	2*2	3.610			0.7	10.108	
Bottom landing frame- 1 ISMC 200x75	5*2	1.000			0.7	7.000	
Bottom landing frame- 2 ISMC 200x75	2*2	3.000			0.7	8.400	
Leg for bottom landing ISMC 150x75	4*2	2.350			0.6	11.280	
Bracing - 1 ISA 75 x 75 x 8	2*2	2.000			0.3	2.400	
Bracing - 2 ISA 75 x 75 x 8	2*2	0.700			0.3	0.840	
Cleat ISA 75x75x8	8*2	0.180			0.3	0.864	

Ladder rail top ISMC 200x75	2*2	3.450			0.7	9.660	
Top landing frame-1 ISMC 200x75	2*2	1.500			0.7	4.200	
Top landing frame-2 ISMC 200x75	2*2	2.200			0.7	6.160	
Wall support ISMC 150x75	2*2	2.120			0.6	5.088	
Step frame-1 ISA 40x40x6	50*2	1.350			0.16	21.600	
Step frame-2 ISA 40x40x6	50*2	0.300			0.16	4.800	
Hand rail post-1 ISA 65x65x6	19*2	1.100			0.26	10.869	
Hand rail post-2 ISA 65x65x6	3*2	1.150			0.26	1.794	
Hand rail bottom MS flat 50x8	1*2	23.600	0.050		2.0	4.721	
Gate frame vertical ISA 40x40x6	2*2	0.390			0.16	0.250	
Gate frame horizontal ISA 40x40x6	2*2	1.060			0.16	0.679	
Drive unit cover Type-2 (7.69x3.65)							
Frame-1 ISA 35x35x6	2*2	0.840			0.14	0.471	
Frame-2 ISA 35x35x6	2*2	0.935			0.14	0.524	
Frame-2 ISA 35x35x6	2*2	0.250			0.14	0.140	
Frame-4 ISA 35x35x6	4*2	1.000			0.14	1.120	
Frame-5 ISA 35x35x6	2*2	0.770			0.14	0.432	
Frame-6 ISA 35x35x6	2*2	1.400			0.14	0.784	
Frame-7 ISA 35x35x6	2*2	0.770			0.14	0.432	
Drive unit Type-2 (7.69x3.65)							
Motor Frame-1 ISMC 150x75	2*2	1.550			0.6	3.720	
Motor Frame-2 ISMC 150x75	2*2	0.700			0.6	1.680	
Motor Frame-3 ISMC 150x75	1*2	0.700			0.6	0.840	

Frame of hand operating mechanism-1 ISA 75x75x8	4*2	0.800			0.3	1.920	
Frame of hand operating mechanism-2 ISA 75x75x8	2*2	0.400			0.3	0.480	
Frame of hand operating mechanism-3 ISA 75x75x8	2*2	0.500			0.3	0.600	
Worm reducer support-1 ISA 75x75x8	2*2	0.700			0.4	1.120	
Brake frame-1 ISA 75x75x8	2*2	0.700			0.3	0.840	
Gear frame-1 ISA 75x75x8	2*2	0.700			0.3	0.840	
Plummer block frame ISA 100X100X8	1*2	0.250			0.4	0.200	
Dial gauge assembly-1 (12.69x3.65)							
Main frame-1 ISMC 100x50	2*10	0.925			0.4	7.400	
Dial gauge support ISA 50x50x6	2*10	0.050			0.2	0.200	
Gear box cover Type-1 (12.69x3.65)							
Frame-1 ISA 35x35x5	4*10	2.200			0.14	12.320	
Frame-2 ISA 35x35x5	4*10	0.540			0.14	3.025	
Frame-3 ISA 35x35x5	2*10	0.828			0.14	2.319	
Frame-4 ISA 35x35x5	4*10	0.132			0.14	0.740	
Frame-5 ISA 35x35x5	2*10	0.175			0.14	0.491	
Frame-6 ISA 35x35x5	2*10	0.073			0.14	0.205	
Frame-7 ISA 35x35x5	8*10	0.470			0.14	5.264	
Curved frame-1 50x5 Flat	4*10	1.074	0.050		2.0	4.296	
Curved frame-2 50x5 Flat	2*10	1.134	0.050		2.0	2.268	
Hoisting bridge Type-1 (12.69x3.5M)							

Cross girder-1 (C-6), ISMC 300X90	4*10	2.090			0.96	80.256	
Cross girder-2 (C-4), ISMC 200X75	2*10	2.090			0.7	29.260	
Cross girder-3 (C-3), ISMC 150X75	4*10	0.770			0.6	18.480	
Cross girder-4 (C-2), ISMC 150X75	2*10	0.979			0.6	11.748	
Cross girder-5 (C-7), ISMC 150X75	10*10	2.090			0.6	125.400	
Cross girder-6 ISMC 150X75	4*10	0.979			0.6	23.496	
Cross support-angle ISA 75x75x8	38*10	0.100			0.3	11.400	
Catwalk main frame ISMC 150X75	14*10	0.595			0.6	49.980	
Catwalk support angle ISA 75x75x8	14*10	0.150			0.3	6.300	
Longitudinal support ISA 65x65x6	2*10	13.990			0.26	72.748	
Hand rail post ISA 65x65x6	28*10	1.250			0.26	91.000	
Hand rail middle 50x8 flat	2*10	13.990	0.050		2.0	27.980	
Inclined support ISA 75x75x8	14*10	0.720			0.3	30.240	
Dial gauge Type-2(7.69x3.65)							
Main frame ISMC 100x50	2*2	0.880			0.4	1.409	
Dial support ISA 50x50x6	2*2	0.050			0.2	0.041	
Gear box assy Type-2 (7.69x3.65)							
Winch unit frame-1 ISMC 250x80	2*2	1.540			0.82	5.052	
Winch unit frame-2 ISMC 250x80	2*2	0.670			0.82	2.198	
Winch unit frame-3 ISMC 250x80	2*2	0.850			0.82	2.788	

Winch unit frame-4 ISMC 250x80	2*2	0.453			0.82	1.486	
Winch unit frame-5 ISMC 250x80	2*2	0.770			0.82	2.526	
Winch unit frame-6 ISMC 250x80	2*2	0.210			0.82	0.689	
Hoisting platform Type-1 (12.69x3.65)							
MS chequered plate 6mm	2*2	2.040	0.570		2.0	9.303	
MS chequered plate 6mm	2*2	0.745	0.860		2.0	5.126	
MS chequered plate 6mm	2*2	1.020	0.745		2.0	6.080	
MS chequered plate 6mm	2*2	0.670	0.230		2.0	1.233	
MS chequered plate 6mm	2*2	1.020	0.450		2.0	3.672	
MS chequered plate 6mm	1*2	2.030	1.950		2.0	15.834	
MS chequered plate 6mm	1*2	2.030	1.950		2.0	15.834	
MS chequered plate 6mm	1*2	8.995	0.410		2.0	14.752	
Chequered plate for ladder							
Landing platform- B o t t o m - 6 m m chequered sheet	1*2	3.000	1.000		2.0	12.000	
Landing platform-Top- 6mm chequered sheet	1*2	2.200	1.500		2.0	13.201	
Step-6mm chequered sheet	25*2	1.350	0.300		2.0	40.500	
Gate 6mm chequered sheet	1*2	1.390	1.060		2.0	5.894	
Hoisting platform Type-1 (12.69x3.65)							
MS chequered plate 6mm	2*10	2.050	2.750		2.0	225.500	
MS chequered plate 6mm	4*10	1.150	0.985		2.0	90.620	

	MS chequered plate 6mm	2*10	0.495	0.880		2.0	17.424		
	MS chequered plate 6mm	2*10	0.835	0.280		2.0	9.352		
	MS chequered plate 6mm	2*10	2.050	1.800		2.0	147.600		
	MS chequered plate 6mm	1*10	13.990	0.410		2.0	114.718		
	Hand rails NB 32								
	Hand rails of hoist bridge Type-1	2*10	13.990			0.13	36.374		
	Hand rails of hoist bridge Type-2	2*2	9.652			0.13	5.020		
	Hand rails of hoist bridge Type-2 side	1*2	4.010			0.13	1.043		
	Ladder hand rail	1*2	23.600			0.13	6.137		
	Total Quantity						3562.243 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						3562.243 sqm		
	Other Engineering Say 3562.243 sqm @ Rs 556.86 / sqm						Rs 1983670.64		
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								
	MS Rod for ladder foundation								
	J Type anchor rod 16mm for ladder	24*2	0.310			1.58	23.511		
	Type-2 (7.69x3.65)								
	Rod M25x750mm with 2 Nuts	16*2				3.85	123.200		
	Washer	16*2				0.06	1.920		
	Type-1 (12.69x3.65)								
	Rod 25mmx750mm W/2 Nuts	16*10				3.85	616.000		
	Washer	16*10				0.06	9.600		
	Type-1 (12.69x3.65)								

	Dia 12mm Rod	2*10	0.300			0.89	5.340	
	Handle-1 16mm Rod	2*2*10	0.300			1.58	18.960	
	Handle-2 16mm Rod	1*2*10	0.280			1.58	8.848	
	Handle-3 16mm Rod	1*2*10	0.400			1.58	12.640	
Type-2 (7.69x3.65)								
	Dia 16mm Rod	4*2	0.260			1.58	3.287	
	Handle-1 16mm Rod	2*2*2	0.300			1.58	3.792	
	Handle-2 16mm Rod	1*2*2	0.280			1.58	1.770	
	Handle-3 16mm Rod	1*2*2	0.400			1.58	2.529	
Type-1 (12.69x3.65)								
	M16x80 Bolts W/ nuts	8*10				0.18	14.720	
	M16x50 Bolts W/ nuts	8*10				0.14	114.241	
	M16x60 Bolts W/ nuts	8*10				0.15	12.160	
	M16x60 Bolts W/ nuts	8*10				0.06	4.561	
	M20x100 Bolts W/ nuts	4*10				0.36	14.280	
	M12x65 Bolts W/ nuts	6*10				0.09	5.160	
	M20x100 Bolts W/ nuts	12*10				0.36	42.840	
	M12x60 Bolts W/ nuts	20*10				0.08	16.200	
	M16x120 Bolts W/ nuts	8*2*10				0.25	39.360	
	M16x40 Bolts W/ nuts	16*2*10				0.12	38.400	
	M8 Hex screw	8*2*10				0.02	2.400	
	M12x40 Bolts W/ nuts	16*2*10				0.06	20.000	
	M16x55 Bolts W/ nuts	4*10				0.15	5.880	
	M16x70 Bolts W/ nuts	6*2*10				0.17	20.160	
	M6x25 screw	8*10				0.01	0.528	
	M16x40 Bolts W/ nuts	48*10				0.12	58.080	
	Washer	360				0.01	3.600	
Type-2 (7.69x3.65)								
	M16x35 Bolts W/ nuts	16*2				0.13	4.160	
	M16x50 Bolts W/ nuts	8*2				0.14	2.176	

M12x100 Bolts W/ nuts	24*2				0.12	5.664	
M30x135 Bolts W/ nuts	4*2				1.13	9.040	
M16x30 Hexagonal screws	16*2*2				0.11	6.848	
M16x100 Bolts W/ nuts	8*2*2				0.21	6.720	
M16x65 Bolts W/ nuts	6*2*2				0.16	3.840	
M16x65 screw	4*2*2				0.22	3.440	
Screw M6x20	6*2*2				0.01	0.140	
Screw M6x15	8*2*2				0.0	0.135	
Screw M6x15	8*2*2				0.0	0.135	
M12x40 Bolts W/ nuts	16*2*2				0.06	4.000	
Washer	304				0.01	3.040	
Hoisting platform Type-1 (12.69x3.65)							
MS chequered plate 6mm	2*10	2.050	2.750		49.2	5547.300	
MS chequered plate 6mm	4*10	1.150	0.985		49.2	2229.252	
MS chequered plate 6mm	2*10	0.495	0.880		49.2	428.631	
MS chequered plate 6mm	2*10	0.835	0.280		49.2	230.060	
MS chequered plate 6mm	2*10	2.050	1.800		49.2	3630.960	
MS chequered plate 6mm	1*10	13.990	0.410		49.2	2822.063	
Hoisting platform Type-2 (7.69x3.65)							
MS chequered plate 6mm	2*2	2.040	0.570		49.2	228.840	
MS chequered plate 6mm	2*2	0.745	0.860		49.2	126.090	
MS chequered plate 6mm	2*2	1.020	0.745		49.2	149.549	
MS chequered plate 6mm	2*2	0.670	0.230		49.2	30.327	

	MS chequered plate 6mm	2*2	1.020	0.450		49.2	90.332	
	MS chequered plate 6mm	1*2	2.030	1.950		49.2	389.517	
	MS chequered plate 6mm	1*2	2.030	1.950		49.2	389.517	
	MS chequered plate 6mm	1*2	8.995	0.410		49.2	362.895	
Chequered plate for ladder								
	Landing platform- B o t t o m - 6 m m chequered sheet	1*2	3.000	1.000		49.2	295.201	
	Landing platform-Top- 6mm chequered sheet	1*2	2.200	1.500		49.2	324.720	
	Step-6mm chequered sheet	25*2	1.350	0.300		49.2	996.301	
	Gate-6mm chequered sheet	1*2	1.390	1.060		49.2	144.983	
MS section for ladder								
	Ladder rail bottom ISMC 200x75	2*2	3.610			22.1	319.124	
	Bottom landing frame- 1 ISMC 200x75	5*2	1.000			22.1	221.000	
	Bottom landing frame- 2 ISMC 200x75	2*2	3.000			22.1	265.201	
	Leg for bottom landing ISMC 150x75	4*2	2.350			16.4	308.320	
	Bracing-1 ISA 75 x 75 x 8	2*2	2.000			8.9	71.200	
	Bracing-2 ISA 75 x 75 x 8	2*2	0.700			8.9	24.920	
	Cleat ISA 75x75x8	8*2	0.180			8.9	25.632	
	Ladder rail top ISMC 200x75	2*2	3.450			22.1	304.980	
	Top landing frame-1 ISMC 200x75	2*2	1.500			22.1	132.601	
	Top landing frame-2 ISMC 200x75	2*2	2.200			22.1	194.481	

Wall support ISMC 150x75	2*2	2.120			16.4	139.072	
Step frame-1 ISA 40x40x6	50*2	1.350			3.5	472.500	
Step frame-2 ISA 40x40x6	50*2	0.300			3.5	105.000	
Hand rail post-1 ISA 65x65x6	19*2	1.100			5.8	242.441	
Hand rail post-2 ISA 65x65x6	3*2	1.150			5.8	40.020	
Hand rail bottom MS flat 50x8	1*2	23.600	0.050	8.000	7.85	148.209	
Gate frame vertical ISA 40x40x6	2*2	0.390			3.5	5.460	
Gate frame horizontal ISA 40x40x6	2*2	1.060			3.5	14.840	
Drive unit Type-1 (12.69x3.65)							
Motor frame-1 ISMC 150X75	2*10	1.570			16.4	514.961	
Motor frame-2 ISMC 150X75	2*10	0.700			16.4	229.600	
Motor frame-3 ISMC 150X75	1*10	0.700			16.4	114.800	
Frame of hand operating mechanism- 1 ISA 75x75x8	4*10	0.900			8.9	320.401	
Frame of hand operating mechanism- 2 ISA 75x75x8	2*10	0.400			8.9	71.200	
Frame of hand operating mechanism- 3 ISA 75x75x8	2*10	0.500			8.9	89.000	
Worm reducer support-1 ISA 100x100x8	2*10	0.700			12.1	169.400	
Brake frame-1 ISA 75x75x8	2*10	0.700			8.9	124.601	
Motor frame-1 ISA 75x75x8	2*10	0.700			8.9	124.601	

Plummer block frame ISMC 150X75	1*10	0.250			16.4	41.000	
Drive unit cover Type-1 (12.69x3.65)							
Frame-1 ISA 35x35x6	2*10	0.840			3.0	50.401	
Frame-2 ISA 35x35x6	2*10	1.000			3.0	60.000	
Frame-2 ISA 35x35x6	2*10	0.180			3.0	10.800	
Frame-4 ISA 35x35x6	2*10	0.994			3.0	59.640	
Frame-5 ISA 35x35x6	2*10	2.300			3.0	138.000	
Frame-6 ISA 35x35x6	2*10	0.840			3.0	50.401	
Frame-7 ISA 35x35x6	3*10	0.770			3.0	69.301	
Inspection window supporting angle ISA 35X35X6	1*10	0.850			3.0	25.500	
Gear box assy Type-1 (12.69x3.65)							
Winch unit frame-1 ISMC 300X90	2*10	0.240			35.8	171.840	
Winch unit frame-2 ISMC 300X90	2*10	1.500			35.8	1074.000	
Winch unit frame-3 ISMC 300X90	2*10	0.770			35.8	551.320	
Winch unit frame-4 ISMC 300X90	2*10	0.900			35.8	644.400	
Winch unit frame-5 ISMC 300X90	2*10	0.620			35.8	443.920	
Winch unit frame-6 ISMC 300X90	2*10	0.690			35.8	494.040	
Hoisting bridge Type-1 (12.69x3.5M)							
Cross girder-1 (C-6), ISMC 300X90	4*10	2.090			35.8	2992.880	
Cross girder-2 (C-4), ISMC 200X75	2*10	2.090			22.1	923.780	
Cross girder-3 (C-3), ISMC 150X75	4*10	0.770			16.4	505.120	
Cross girder-4 (C-2), ISMC 150X75	2*10	0.979			16.4	321.112	
Cross girder-5 (C-7), ISMC 150X75	10*10	2.090			16.4	3427.600	

Cross girder-6 ISMC 150X75	4*10	0.979			16.4	642.224	
Cross support angle ISA 75x75x8	38*10	0.100			8.9	338.200	
Catwalk main frame ISMC 150x75	14*10	0.595			16.4	1366.120	
Catwalk support angle ISA 75x75x8	14*10	0.150			8.9	186.900	
Longitudinal support ISA 65x65x6	2*10	13.990			5.8	1622.840	
Hand rail post ISA 65x65x6	28*10	1.250			5.8	2030.000	
Hand rail middle 50X8 Flat	2*10	13.990	0.050	8.000	7.85	878.572	
Inclined support ISA 75x75x8	14*10	0.720			8.9	897.120	
Gear box Type-2 (7.69x3.65)							
Frame-1 ISA 35x35x5	4*2	2.400			2.6	49.920	
Frame-2 ISA 35x35x5	4*2	0.490			2.6	10.192	
Frame-3 ISA 35x35x5	2*2	0.836			2.6	8.695	
Frame-4 ISA 35x35x5	4*2	0.059			2.6	1.228	
Frame-5 ISA 35x35x5	2*2	0.096			2.6	0.999	
Frame-6 ISA 35x35x5	2*2	0.230			2.6	2.393	
Frame-7 ISA 35x35x5	8*2	0.420			2.6	17.472	
Curved frame-1 50x5 Flat	4*2	1.209	0.050	5.000	7.85	18.982	
Curved frame-2 50x5 Flat	2*2	1.245	0.050	5.000	7.85	9.774	
Gear box cover Type-1 (12.69x3.65)							
Frame-1 ISA 35x35x5	4*10	2.200			2.6	228.800	
Frame-2 ISA 35x35x5	4*10	0.540			2.6	56.161	
Frame-3 ISA 35x35x5	2*10	0.828			2.6	43.056	
Frame-4 ISA 35x35x5	4*10	0.132			2.6	13.729	
Frame-5 ISA 35x35x5	2*10	0.175			2.6	9.100	
Frame-6 ISA 35x35x5	2*10	0.073			2.6	3.796	
Frame-7 ISA 35x35x5	8*10	0.470			2.6	97.760	

	Curved frame-1 50x5 Flat	4*10	1.074	0.050	5.000	7.85	84.309	
	Curved frame-2 50x5 Flat	2*10	1.134	0.050	5.000	7.85	44.510	
Dial gauge Type-2 (7.69x3.65)								
	Main frame ISMC 100X50	2*2	0.880			9.2	32.384	
	Dial support ISA 50X50X6	2*2	0.050			4.5	0.900	
Dial gauge assy Type-1 (12.69x3.65)								
	Main frame-1 100x50	2*10	0.925			9.2	170.200	
	Dial gauge support ISA 50x50x6	2*10	0.050			4.5	4.500	
Hoisting bridge Type-2 (7.69x3.5M)								
	Cross girder-1(C-6), ISMC 300X90	4*2	2.090			35.8	598.576	
	Cross girder-2 (C-4), ISMC 200X75	2*2	2.090			22.1	184.756	
	Cross girder-3 (C-3), ISMC 150X75	4*2	0.670			16.4	87.904	
	Cross girder-4 (C-2), ISMC 150X75	2*2	1.080			16.4	70.848	
	Cross girder-5 (C-7), ISMC 150X75	8*2	2.090			16.4	548.416	
	Walkway supporting channel ISA 65x65x6	28*2	0.100			5.8	32.481	
	Catwalk main support ISMC 150X75	8*2	0.595			16.4	156.128	
	Longitudinal support ISA 65X65X6	2*2	8.995			5.8	208.684	
	Support ISA 65x65x6	1*2	1.500			5.8	17.400	
	Hand rail post ISA 50x50x6	19*2	1.250			4.5	213.750	
	Hand rail middle 50x8 Flat	2*2	8.735	0.050	8.000	7.85	109.712	
	Hand rail middle 50x8 Flat	1*2	1.600	0.050	8.000	7.85	10.049	

Hand rail support ISA 75x75x8	16*2	0.150			8.9	42.720	
Inclined support ISA 75x75x8	8*2	0.700			8.9	99.680	
Drive unit Type-2 (7.69x3.65)							
Motor frame-1 ISMC 150x75	2*2	1.550			16.4	101.680	
Motor frame-2 ISMC 150x75	2*2	0.700			16.4	45.920	
Motor frame-3 ISMC 150x75	1*2	0.700			16.4	22.960	
Frame of hand operating mechanism- 1 ISA 75x75x8	4*2	0.800			8.9	56.961	
Frame of hand operating mechanism- 2 ISA 75x75x8	2*2	0.400			8.9	14.241	
Frame of hand operating mechanism- 3 ISA 75x75x8	2*2	0.500			8.9	17.800	
Worm reducer support-1 ISA 100X100X8	2*2	0.700			12.1	33.880	
Brake frame-1 ISA 75x75x8	2*2	0.700			8.9	24.920	
Gear frame-1 ISA 75x75x8	2*2	0.700			8.9	24.920	
Plummer block frame ISA 100X100X8	1*2	0.250			12.1	6.050	
Drive unit cover Type-2 (7.69x3.65)							
Frame-1 ISA 35x35x6	2*2	0.840			3.0	10.080	
Frame-2 ISA 35x35x6	2*2	0.935			3.0	11.220	
Frame-2 ISA 35x35x6	2*2	0.250			3.0	3.000	
Frame-4 ISA 35x35x6	4*2	1.000			3.0	24.000	
Frame-5 ISA 35x35x6	2*2	0.770			3.0	9.240	
Frame-6 ISA 35x35x6	2*2	1.400			3.0	16.800	
Frame-7 ISA 35x35x6	2*2	0.770			3.0	9.240	

Gear box assy Type-2 (7.69x3.65)								
Winch unit frame-1 ISMC 250X80	2*2	1.540				30.4	187.264	
Winch unit frame-2 ISMC 250X80	2*2	0.670				30.4	81.472	
Winch unit frame-3 ISMC 250X80	2*2	0.850				30.4	103.360	
Winch unit frame-4 ISMC 250X80	2*2	0.453				30.4	55.085	
Winch unit frame-5 ISMC 250X80	2*2	0.770				30.4	93.632	
Winch unit frame-6 ISMC 250X80	2*2	0.210				30.4	25.536	
Plate for Ladder								
Foundation plate landing leg	4*2	0.300	0.200	12.000		7.85	45.216	
Foundation plate ladder rail	2*2	0.400	0.200	12.000		7.85	30.145	
Stiffener for leg	4*2	0.150	0.100	8.000		7.85	7.536	
Top plate for landing leg	4*2	0.200	0.100	12.000		7.85	15.073	
Joint plate for top landing to hoisting girder	4*2	0.200	0.180	12.000		7.85	27.130	
Anchoring plate for wall support	2*2	0.400	0.400	12.000		7.85	60.289	
Top plate for diagonal support	2*2	0.400	0.100	12.000		7.85	15.073	
Dial assembly Type-1 (12.69x3.65)								
Base plate 8mm plate	1*10	0.470	0.300	8.000		7.85	88.548	
Stiffener plate-1 10mm plate	2*10	0.185	0.150	10.000		7.85	43.568	
Stiffener plate-2 10mm plate	1*10	0.170	0.150	10.000		7.85	20.018	
Shim 2mm plate	1*10	0.165	0.060	2.000		7.85	1.555	
Plummer block base 10mm plate	1*10	0.280	0.090	10.000		7.85	19.782	

	Stiffener plate-1 10mm plate	2*10	0.100	0.090	10.000	7.85	14.130	
	Stiffener plate-2 10mm plate	2*10	0.276	0.230	10.000	7.85	99.664	
	Lifting assembly Type-1 (12.69x3.65)							
	Lifting bracket frame-1 12mm plate	4*10	1.030	0.590	12.000	7.85	2289.814	
	Lifting bracket side plate-1 10mm plate	4*10	0.300	0.130	10.000	7.85	122.461	
	Lifting bracket stiffener-1 10mm plate	6*10	0.100	0.080	10.000	7.85	37.680	
	Lifting bracket stiffener-2 10mm plate	2*10	0.140	0.100	10.000	7.85	21.980	
	Lifting bracket stiffener-3 10mm plate	4*10	0.100	0.100	10.000	7.85	31.401	
	Rope guard 3.15 sheet	4*10	0.650	0.100	3.150	7.85	64.292	
	Pin lock plate-1 10mm plate	12*10	0.180	0.180	10.000	7.85	305.208	
	Lock plate-10mm plate	24*10	0.130	0.050	10.000	7.85	122.461	
	Spacer OD-150, ID- 82, 8thk	8*10	0.150	0.150	8.000	7.85	113.040	
	Pin cover-1 10mm plate	4*10	0.080	0.025	10.000	7.85	6.280	
	Lifting bracket main frame-1 16mm plate	4*10	1.370	0.250	16.000	7.85	1720.720	
	Lifting bracket main frame-2 10mm plate	2*10	1.100	0.128	10.000	7.85	221.056	
	Lifting bracket base 10mm plate	2*10	1.050	0.400	10.000	7.85	659.400	
	Traverse plate lifting bracket-1 10mm plate	2*10	1.100	0.692	10.000	7.85	1195.084	
	Traverse plate lifting bracket-2 10mm plate	2*10	1.419	0.210	10.000	7.85	467.845	
	Wheels and pinion Type-1 (12.69x3.65)							
	Wheel lock plate 15mm plate	12*10	0.025	0.070	15.000	7.85	24.728	

Gear box assembly Type-2 (7.69x3.65)								
Frame extension plate-1 10mm plate	2*2	1.540	0.060	10.000	7.85	29.014		
Frame extension plate-2 10mm plate	2*2	0.690	0.060	10.000	7.85	13.000		
Drum support plate-1 10mm plate	8*2	0.220	0.080	10.000	7.85	22.106		
Drum support plate-2 10mm plate	4*2	0.150	0.080	10.000	7.85	7.536		
Stiffener-1 10mm plate	10*2	0.226	0.130	10.000	7.85	46.127		
Stiffener-2 10mm plate	2*2	0.222	0.070	10.000	7.85	4.880		
Drum shaft support plate-1 20mm plate	4*2	0.460	0.350	20.000	7.85	202.216		
Drum shaft support plate-1 20mm plate	4*2	0.280	0.100	20.000	7.85	35.168		
Plummer block base-1 20mm plate	4*2	0.275	0.090	20.000	7.85	31.086		
Plummer block base-2 30mm plate	4*2	0.255	0.090	30.000	7.85	43.238		
Spacer OD-200, ID-72, 8thk	4*2	0.200	0.200	8.000	7.85	20.097		
Dial assembly Type-2 (7.69x3.65)								
Base plate 8mm plate	1*2	0.450	0.300	8.000	7.85	16.956		
Stiffener plate-1 10mm plate	2*2	0.185	0.150	10.000	7.85	8.714		
Stiffener plate-2 10mm plate	1*2	0.170	0.150	10.000	7.85	4.004		
Shim 2mm plate	1*2	0.165	0.050	2.000	7.85	0.260		
Plummer block base plate 10mm plate	1*2	0.260	0.090	10.000	7.85	3.674		
Stiffener plate-1 10mm plate	2*2	0.100	0.090	10.000	7.85	2.826		
Stiffener plate-2 10mm plate	2*2	0.236	0.210	10.000	7.85	15.562		
Hoisting bridge Type-2 (7.69x3.65M)								

	Longitudinal girder flange 16mm plate	4*2	8.990	0.150	16.000	7.85	1354.973	
	Longitudinal girder web 10mm plate	2*2	8.990	1.200	10.000	7.85	3387.432	
	Web stiffener end side 10mm plate	8*2	1.216	0.160	10.000	7.85	244.368	
	Base plate main girder 20mm plate	6*2	0.290	0.340	20.000	7.85	185.763	
	Alignment base plate-1 10mm plate	2*2	0.290	0.340	10.000	7.85	30.961	
	Alignment base plate-2 10mm plate	4*2	0.590	0.340	10.000	7.85	125.977	
	Web stiffener-1 10mm plate	8*2	0.910	0.065	10.000	7.85	74.293	
	Web stiffener-2 10mm plate	4*2	1.010	0.065	10.000	7.85	41.229	
	Web stiffener-3 10mm plate	16*2	1.060	0.065	10.000	7.85	173.077	
	Web stiffener-4 10mm plate	28*2	1.200	0.065	10.000	7.85	342.888	
	Pulley frame-1 16mm plate	4*2	0.792	0.550	16.000	7.85	437.691	
	Pin lock plate 10mm plate	8*2	0.120	0.050	10.000	7.85	7.536	
	Spacer OD-180, ID-92, 8 thk	4*2	0.180	0.180	8.000	7.85	16.278	
	Spacer plate 10mm plate	2*2	0.150	0.150	10.000	7.85	7.065	
	Anchor rod plate Dia 100x10 thk	16*2	0.100	0.100	10.000	7.85	25.121	
	Gear box assembly Type-1 (12.69x3.65)							
	Frame extension plate-1 10mm plate	2*10	1.500	0.060	10.000	7.85	141.300	
	Frame extension plate-2 10mm plate	2*10	0.600	0.060	10.000	7.85	56.520	
	Stiffener-1 10mm plate	10*10	0.276	0.140	10.000	7.85	303.325	

	Stiffener-2 10mm plate	2*10	0.273	0.080	10.000	7.85	34.289	
	Drum support plate-1 10mm plate	8*10	0.120	0.090	10.000	7.85	67.824	
	Drum support plate-2 10mm plate	4*10	0.090	0.060	10.000	7.85	16.956	
	Drum shaft support plate-1 20mm plate	4*10	0.525	0.350	20.000	7.85	1153.950	
	Drum shaft support plate-1 20mm plate	4*10	0.280	0.100	20.000	7.85	175.840	
	Spacer OD-160, ID-76, 8mm thk	4*10	0.160	0.160	8.000	7.85	64.308	
	Plummer block frame	8*10	0.260	0.100	50.000	7.85	816.400	
	Drive unit Type-2 (7.69x3.65M)							
	Worm reducer base-1 10mm plate	1*2	0.375	0.300	10.000	7.85	17.663	
	Worm reducer angle support-1 10mm plate	4*2	0.090	0.090	10.000	7.85	5.087	
	Worm reducer angle support-2 10mm plate	2*2	0.135	0.100	10.000	7.85	4.239	
	Brake support-1 10mm plate	1*2	0.350	0.125	10.000	7.85	6.869	
	Brake support stiffener-2 10mm plate	4*2	0.065	0.065	10.000	7.85	2.654	
	Base plate motor-10mm plate	1*2	0.220	0.200	10.000	7.85	6.908	
	Base plate stiffener motor-1 10mm plate	1*2	0.100	0.054	10.000	7.85	0.848	
	Base plate stiffener motor-2 10mm plate	2*2	0.065	0.065	10.000	7.85	1.327	
	Plummer block support Type-1 (12.69x3.65M)							
	Plummer block base 10mm plate	8*10	0.300	0.150	10.000	7.85	282.600	
	Plummer block support-1 10mm plate	4*10	0.330	0.300	10.000	7.85	310.860	
	Plummer block support-2 10mm plate	4*10	0.330	0.130	10.000	7.85	134.706	
	Wheels and pinion Type-2 (7.69x3.65)							

Wheel lock plate 12mm plate	12*2	0.025	0.100	12.000	7.85	5.653	
Plummer block support Type-2 (7.69x3.65M)							
Plummer block base 10mm plate	4*2	0.300	0.150	10.000	7.85	28.260	
Plummer block support-1 10mm plate	2*2	0.330	0.300	10.000	7.85	31.086	
Plummer block support-2 10mm plate	2*2	0.330	0.130	10.000	7.85	13.471	
Drive unit cover Type-2 (7.69x3.65M)							
Side cover-1 3.15 sheet	2*2	1.355	0.965	3.150	7.85	129.333	
Side cover-2 3.15 sheet	2*2	0.965	0.820	3.150	7.85	78.268	
Top cover-1 3.15 sheet	1*2	1.400	0.820	3.150	7.85	56.775	
Plate for top cover 8mm sheet	1*2	0.100	0.100	8.000	7.85	1.257	
Handle plate 5mm plate	2*2	0.595	0.055	5.000	7.85	5.138	
Drive unit cover Type-1 (12.69x3.65M)							
Side cover-1 3.15 sheet	2*10	1.472	0.970	3.150	7.85	706.139	
Side cover-2 3.15 sheet	1*10	0.970	0.820	3.150	7.85	196.683	
Side cover-3 3.15 sheet	1*10	0.670	0.820	3.150	7.85	135.853	
Top cover-1 3.15 sheet	1*10	1.640	0.820	3.150	7.85	332.536	
Plate on side plate 8mm plate	1*10	0.150	0.150	5.000	7.85	8.832	
Plate at the opening of both side-5mm plate	2*10	1.100	0.050	5.000	7.85	43.175	
Hoisting bridge Type-1 (12.69x3.65M)							
Longitudinal girder flange 16mm plate	4*10	13.990	0.150	16.000	7.85	10542.864	
Longitudinal girder web 10mm plate	2*10	13.990	1.200	10.000	7.85	26357.160	

Base plate main girder 20mm plate	4*10	0.340	0.290	20.000	7.85	619.209	
Alignment plate for base plate 10mm plate	4*10	0.590	0.340	10.000	7.85	629.884	
Web stiffener end side 10mm plate	8*10	1.216	0.160	10.000	7.85	1221.837	
Anchoring rod end plate Dia 100x10 thk	16*10	0.100	0.100	10.000	7.85	125.601	
Web stiffener-1 10mm plate	8*10	0.908	0.070	10.000	7.85	399.157	
Web stiffener-2 10mm plate	4*10	1.008	0.070	10.000	7.85	221.559	
Web stiffener-3 10mm plate	20*10	1.058	0.070	10.000	7.85	1162.743	
Web stiffener-4 10mm plate	32*10	1.200	0.070	10.000	7.85	2110.080	
Hand rail base support 10mm plate	14*10	0.250	0.135	10.000	7.85	370.913	
Pulley frame 16mm plate	4*10	1.192	0.525	16.000	7.85	3144.020	
Pulley pin lock plate 10mm plate	16*10	0.160	0.050	10.000	7.85	100.480	
Pulley - spacer OD- 180, ID-82, 8mm thk	8*10	0.180	0.180	8.000	7.85	162.778	
Plate connect hoist bridge 10mm plate	2*10	0.150	0.150	10.000	7.85	35.325	
Drive unit Type-1 (12.69x3.65M)							
Worm reducer base-1 10mm plate	1*10	0.380	0.360	10.000	7.85	107.388	
Worm reducer angle support-1 10mm plate	4*10	0.090	0.090	10.000	7.85	25.434	
Worm reducer angle support-2 10mm plate	2*10	0.147	0.100	10.000	7.85	23.079	
Brake support-1 10mm plate	1*10	0.360	0.140	10.000	7.85	39.564	
Brake support stiffener-2 10mm plate	4*10	0.065	0.065	10.000	7.85	13.267	

	Base plate motor 10mm plate	1*10	0.240	0.190	10.000	7.85	35.796	
	Base plate stiffener motor-1 10mm plate	2*10	0.065	0.065	10.000	7.85	6.634	
	Base plate stiffener motor-2 10mm plate	1*10	0.075	0.050	10.000	7.85	2.944	
Gear box cover Type-1 (12.69x3.65)								
	Cover-1 3.15 sheet	2*10	2.200	0.530	3.150	7.85	576.646	
	Cover-1 3.15 sheet	4*10	1.415	0.575	3.150	7.85	804.757	
	Cover-1 3.15 sheet	2*10	0.310	0.210	3.150	7.85	32.196	
Gear box cover Type-2 (7.69x3.65)								
	Cover-1 3.15 sheet	2*2	2.400	0.480	3.150	7.85	113.945	
	Cover-1 3.15 sheet	4*2	1.455	0.675	3.150	7.85	194.284	
	Cover-1 3.15 sheet	2*2	0.310	0.210	3.150	7.85	6.440	
Hand rails NB 32								
	Hand rails of hoist bridge Type-1	2*10	13.990			1.65	461.670	
	Hand rails of hoist bridge Type-2	2*2	9.652			1.65	63.704	
	Hand rails of hoist bridge Type-2 side	1*2	4.010			1.65	13.233	
	Ladder hand rail	1*2	23.600			1.65	77.880	
Total Quantity							118821.360 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							118821.360 kg	
Say 118821.360 kg @ Rs 3.40 / kg							Rs 403992.62	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
13 H5 - Supplying, stacking, erecting and trial run of rope drum hoisting unit								
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel							
Type-1 (12.69x3.65)								
	60mm Dia Line shaft	2*10	3.765			22.18	1670.154	
Type-2 (7.69x3.65)								
	55mm Dia Line shaft	2*2	1.242			18.64	92.604	
Total Quantity							1762.758 kg	

		Total Deducted Quantity					0.000 kg	
		Net Total Quantity					1762.758 kg	
		Say 1762.758 kg @ Rs 128.95 / kg					Rs 227307.64	
2	od156965/2019_2020 Cost of supplying and stacking 20mm tested galvanised steel wire rope 6/36 construction, fibre core having breaking capacity 23853Kg tensile designation of 1770 confirming to IS2266-2002							
Type-2 (7.69x3.65M)								
	20mm dia wire rope 2 unit	1*2	70.000				140.000	
		Total Quantity					140.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					140.000 metre	
		Say 140.000 metre @ Rs 309.77 / metre					Rs 43367.80	
3	od157167/2019_2020 Cost of supplying and stacking 18mm, 6/36 construction, right hand lay ungalvanised main fibre core wire rope having UTS 180Kg/mm2 breaking load capacity 19266 Kg confirming to IS2266-1989							
Type-1 (12.69x3.65)								
	18mm wire rope for 10 units	110*10					1100.000	
		Total Quantity					1100.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					1100.000 metre	
		Say 1100.000 metre @ Rs 290.38 / metre					Rs 319418.00	
4	od157388/2019_2020 Supplying and stacking of 15 Tonne capacity rope drum hoisting unit having 8 m lift at a hoisting speed of about 0.4 m/min(+/-10%) through pulley arrangements with two numbers of falls on either side with 20mm tested ungalvanized wire rope 6/36 construction, fibre core having breaking capacity 26402 kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 3HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of line shaft, including cost of electro magnetic thruster brake assembly manual operating systems, electrical accessories like DOL starters, limit switch, main switches and other safety equipments as per drawings specifications and statutory requirements etc complete but excluding cost of wire rope.							
For Type-2 (7.69x3.65)								
	15T Hoist	1*2					2.000	
		Total Quantity					2.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					2.000 set	

	Say 2.000 set @ Rs 731852.52 / set						Rs 1463705.04
5	od157443/2019_2020 Supplying and stacking of 20 Tonne capacity rope drum hoisting unit having 8m lift at a hoisting speed of about 0.4 m/min(+/-10%) through pulley arrangements with 4 numbers of falls on either side with 20mm tested ungalvanized wire rope 6/36 construction, fibre core having breaking capacity 23853Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 5Hp and driven through self locking worm reducer and open gear reduction unit excluding the cost of but including cost electro magnetic thruster brake assembly manual operating systems, electrical accessories like DOL starters, limit switch, main switches and other safety equipments as per drawings specifications and statutory requirements etc complete but excluding cost of wire rope						
	For Type-1 (12.69x3.65)						
	20T Hoist	1*10					10.000
	Total Quantity						10.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						10.000 set
	Say 10.000 set @ Rs 838923.90 / set						Rs 8389239.00
6	od157473/2019_2020 Providing DIAL ASSEMBLY						
	For 12 Nos Shutter						
	Dial gauge assembly	1*12					12.000
	Total Quantity						12.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						12.000 set
	Say 12.000 set @ Rs 26937.86 / set						Rs 323254.32
7	od157485/2019_2020 Supply of Plummer Block SNA 512 TC to suit for 60mm dia Line shaft with 1212 K Bearing + H312 adapter sleeve						
	SNA 512 Plummer Block						
	Type-1 (12.69x3.65)	4*10					40.000
	Type-2 (7.69x3.65)	2*2					4.000
	Total Quantity						44.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						44.000 no
	Say 44.000 no @ Rs 6121.11 / no						Rs 269328.84
8	85.125 Conveying and erecting in position the already supplied rope drum hoisting units (15T/ 20T/25T/30T) capacity on the hoisting bridge and correcting the alignment as far as possible manually as per the						

	direction of departmental officer at site including cost of all labour, machinery, lead and lift and all incidental and conveyance charges etc complete							
	For hoisting unit							
	For 12 Nos hoisting unit	1*12					12.000	
	Total Quantity						12.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						12.000 no	
	Say 12.000 no @ Rs 55766.26 / no						Rs 669195.12	
9	85.135 Conveying and Fixing wire rope already supplied to the new gates and Hoisting unit safely and conducting Trial run							
	For hoisting unit							
	For 12 Nos hoisting unit	1*12					12.000	
	Total Quantity						12.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						12.000 set	
	Say 12.000 set @ Rs 16889.83 / set						Rs 202677.96	
SI No	Description	No	L	B	D	CF	Quantity	Remark
14 H6- PART-B Head Regulator Shutter								
1	85.101 Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges							
	Head regulator (4.6x4) 2 nos primary embedded parts							
	Plate for roller track 10mm plate	34*2	0.150	0.100	10.000	7.85	80.070	
	Plate for sill beam 10mm plate	12*2	0.230	0.100	10.000	7.85	43.333	
	Plate for side seal 10mm plate	68*2	0.100	0.100	10.000	7.85	106.761	
	Head regulator (4.6x4) 2 nos secondary embedded parts							
	Sill base plate 10mm plate	12*2	0.230	0.100	10.000	7.85	43.333	
	Rib plate sill beam 8mm plate	24*2	0.200	0.047	8.000	7.85	28.336	
	End plate sill beam 8mm plate	4*2	0.140	0.200	8.000	7.85	14.068	

	End plate seal end-1 8mm plate	2*2	0.500	0.100	8.000	7.85	12.560		
	End plate seal end-2 8mm plate	2*2	0.150	0.100	8.000	7.85	3.768		
	Rib roller track web-1 8mm plate	16*2	0.200	0.090	8.000	7.85	36.173		
	Rib roller track web-2 8mm plate	16*2	0.200	0.090	8.000	7.85	36.173		
	Side seal seat plate 8mm plate	34*2	0.450	0.100	8.000	7.85	192.169		
	Total Quantity						596.744 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						596.744 kg		
	Say 596.744 kg @ Rs 64.18 / kg						Rs 38299.03		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Head Regulator (4.6x4) Primary and secondary embedded parts								
	Sill Beam ISMB - 200X100	1*2	4.800			25.4	243.840		
	Roller track ISMB - 200X100	2*2	8.000			25.4	812.800		
	ISA for sill ISA 75X75X8	2*2	0.115			8.9	4.095		
	ISA for roller track ISA 75X75X8	8*2	0.080			8.9	11.393		
	ISA for side seal 130x130x10	2*2	8.000			19.7	630.400		
	Total Quantity						1702.528 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						1702.528 kg		
	Say 1702.528 kg @ Rs 66.13 / kg						Rs 112588.18		
3	85.107 Supply of MS round bar including cost of conveyance charges								
	Head Regulator (4.6x4M) primary and secondary embedded parts								
	Anchoring rods- Sill beam ISRO16mm	28*2	0.295			1.58	26.102		

	Anchoring rods -Roller track ISRO 16mm	78*2	0.295			1.58	72.712		
	Anchoring rods - side guide ISRO 16mm	64*2	0.295			1.58	59.661		
	Anchoring rods - side seal seat ISRO 16mm	64*2	0.295			1.58	59.661		
	Total Quantity						218.136 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						218.136 kg		
	Say 218.136 kg @ Rs 64.18 / kg						Rs 13999.97		
4	od157629/2019_2020 Cost of MS Bolts and Nuts								
	Head Regulator (4.6x4) Nuts and Bolts								
	Nut and Bolt M16x60mm W/2 Nuts	4*2				0.15	1.216		
	Nut and Bolt M16x130mm W/2 Nuts	34*2				0.26	17.884		
	Nut and Bolt M16x145mm W/2 Nuts	16*2				0.28	8.928		
	Nut and Bolt M16x160mm W/2 Nuts	64*2				0.31	39.680		
	Nut and Bolt M16x110mm W/2 Nuts	64*2				0.23	29.440		
	Nut and Bolt M16x330mm W/2 Nuts	32*2				0.57	36.352		
	Nut and Bolt M16x125mm W/2 Nuts	32*2				0.25	15.744		
	M16 Washer	480*2				0.01	9.600		
	Total Quantity						158.844 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						158.844 kg		
	Say 158.844 kg @ Rs 77.77 / kg						Rs 12353.30		

5	85.108 Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of deptl officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied							
	Head Regulator (4.6x4) 2 Nos secondary embedded parts							
	Sill base plate 10mm plate	12*2	0.230	0.100	10.000	7.85	43.333	
	Rib plate sill beam 8mm plate	24*2	0.200	0.047	8.000	7.85	28.336	
	End plate sill beam 8mm plate	4*2	0.140	0.200	8.000	7.85	14.068	
	End plate seal end-1 8mm plate	2*2	0.500	0.100	8.000	7.85	12.560	
	End plate seal end-2 8mm plate	2*2	0.150	0.100	8.000	7.85	3.768	
	Rib roller track web-1 8mm plate	16*2	0.200	0.090	8.000	7.85	36.173	
	Rib roller track web-2 8mm plate	16*2	0.200	0.090	8.000	7.85	36.173	
	Side seal seat plate 8mm plate	34*2	0.450	0.100	8.000	7.85	192.169	
	Head regulator (4.6x4) 2 nos primary embedded parts							
	Plate for roller track 10mm plate	34*2	0.150	0.100	10.000	7.85	80.070	
	Plate for sill beam 10mm plate	12*2	0.230	0.100	10.000	7.85	43.333	
	Plate for side seal 10m plate	68*2	0.100	0.100	10.000	7.85	106.761	
	Head regulator (4.6x4) primary and secondary embedded parts							
	Sill beam ISMB - 200X100	1*2	4.800			25.4	243.840	
	Roller track ISMB - 200X100	2*2	8.000			25.4	812.800	
	ISA for sill ISA 75X75X8	2*2	0.115			8.9	4.095	
	ISA for roller track ISA 75X75X8	8*2	0.080			8.9	11.393	

	ISA for side seal 130x130x10	2*2	8.000			19.7	630.400	
Head regulator (4.6x4M) primary and secondary embedded parts								
	Anchoring rods-sill beam ISRO 16mm	28*2	0.295			1.58	26.102	
	Anchoring rods-Roller track ISRO 16mm	78*2	0.295			1.58	72.712	
	Anchoring rods-side guide ISRO 16mm	64*2	0.295			1.58	59.661	
	Anchoring rods-side seal seat ISRO 16mm	64*2	0.295			1.58	59.661	
Total Quantity							2517.408 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							2517.408 kg	
Say 2517.408 kg @ Rs 75.59 / kg							Rs 190290.87	
6	od157781/2019_2020 Fabrication, supply, erection and assembling in correct position and alignment by welding SS embedded parts in 304L Grade like roller track, seal track, seal seat etc as per approved specifications, drawings and directions of deptl officer at site including cost of all materials, labour, machinery for planting, welding, shearing, grinding etc, lead and lift, conveyance, incidental ana handling etc complete							
Head Regulator (4.5x4) SS embedded parts								
	Sill beam pad SS plate 120x8mm	1*2	4.500	0.120	8.000	7.9	68.257	
	Roller track SS plate 120x12mm	2*2	8.000	0.120	12.000	7.9	364.032	
	Side seal seat SS plate 80x8mm	2*2	8.000	0.080	8.000	7.9	161.792	
Total Quantity							594.081 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							594.081 kg	
Say 594.081 kg @ Rs 502.09 / kg							Rs 298282.13	
SI No	Description	No	L	B	D	CF	Quantity	Remark
15 H7- Supply, Fabrication, Painting, Erection of Head Regulator Shutter								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
Head Regulator Shutter (4.6x4)M								
	Skin plate 12mm plate	1*2	4.600	4.000	12.000	7.85	3466.560	

	End box plate 12mm plate	4*2	4.000	0.250	12.000	7.85	753.600		
	End box stiffener plate 10mm plate	4*2	0.250	0.150	10.000	7.85	23.550		
	Roller support plate 10mm plate	8*2	0.200	0.200	10.000	7.85	50.241		
	Roller locking plate`10mm plate	4*2	0.200	0.180	10.000	7.85	22.608		
	Vertical seal seat-16mm plate	2*2	4.000	0.150	16.000	7.85	301.440		
	Seal seat vertical bottom 10mm plate	2*2	0.105	0.090	10.000	7.85	2.968		
	Seal seat Horizontal 16mm plate	1*2	4.600	0.080	16.000	7.85	92.442		
	Seal clamp horizontal 10mm plate	1*2	4.600	0.080	10.000	7.85	57.776		
	Seal guard 20mm plate	1*2	4.600	0.020	20.000	7.85	28.888		
	Lifting bracket base 16mm plate	2*2	0.250	0.500	16.000	7.85	62.800		
	Lifting bracket 16mm plate	2*2	0.400	0.300	16.000	7.85	60.288		
	Total Quantity						4923.161 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						4923.161 kg		
	Say 4923.161 kg @ Rs 64.18 / kg						Rs 315968.47		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Head regulator shutter (4.6x4M)								
	Top stiffener ISMC 150X75	1*2	4.600			16.4	150.880		
	Bottom stiffener ISA 75X75X8	1*2	4.600			8.9	81.880		
	Horizontal stiffener ISMB 200X100	5*2	4.300			25.4	1092.200		
	Vertical stiffener ISA 75X75X8	5*2	4.000			8.9	356.000		

	Bracing angle ISA 75X75X8	2*2	4.500			8.9	160.201		
	Bracing bottom ISA 75X75X8	4*2	0.700			8.9	49.840		
	Seal clamp vertical ISA 75X75X8	2*2	4.000			8.9	142.400		
	Total Quantity						2033.401 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						2033.401 kg		
	Say 2033.401 kg @ Rs 66.13 / kg						Rs 134468.81		
3	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								
	Head regulator shutter (4.6x4M)								
	Top stiffener ISMC 150X75	1*2	4.600			16.4	150.880		
	Bottom stiffener ISA 75X75X8	1*2	4.600			8.9	81.880		
	Horizontal stiffener ISMB 200X100	5*2	4.300			25.4	1092.200		
	Vertical stiffener ISA 75X75X8	5*2	4.000			8.9	356.000		
	Bracing angle ISA 75X75X8	2*2	4.500			8.9	160.201		
	Bracing bottom ISA 75X75X8	4*2	0.700			8.9	49.840		
	Seal clamp vertical ISA 75X75X8	2*2	4.000			8.9	142.400		
	Head regulator shutter (4.6xM)								
	Skin plate 12mm plate	1*2	4.600	4.000	12.000	7.85	3466.560		
	End box plate 12mm plate	4*2	4.000	0.250	12.000	7.85	753.600		
	End box stiffener plate 10mm plate	4*2	0.250	0.150	10.000	7.85	23.550		
	Roller support plate 10mm plate	8*2	0.200	0.200	10.000	7.85	50.241		

	Roller locking plate 10mm plate	4*2	0.200	0.180	10.000	7.85	22.608		
	Vertical seal seat 16mm plate	2*2	4.000	0.150	16.000	7.85	301.440		
	Seal seat vertical bottom 10mm plate	2*2	0.105	0.090	10.000	7.85	2.968		
	Seal seat horizontal 16mm plate	1*2	4.600	0.080	16.000	7.85	92.442		
	Seal clamp horizontal 10mm plate	1*2	4.600	0.080	10.000	7.85	57.776		
	Seal guard 20mm plate	1*2	4.600	0.020	20.000	7.85	28.888		
	Lifting bracket base 16mm plate	2*2	0.250	0.500	16.000	7.85	62.800		
	Lifting bracket 16mm plate	2*2	0.400	0.300	16.000	7.85	60.288		
	Total Quantity						6956.562 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						6956.562 kg		
	Say 6956.562 kg @ Rs 62.86 / kg						Rs 437289.49		
4	85.119 Supplying and fixing cast steel thrust roller assembly having 250mm Dia, 50mm tread width, SS(304) shaft and 22313E self aligning spherical roller bearing and accessories as per approved specifications and drawings including cost of all materials, machineries, labour , all lift and lead, incidental and conveyance charges etc complete								
	Roller assembly								
	Dia 250mm Roller wheel	4*2					8.000		
	Total Quantity						8.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						8.000 no		
	Say 8.000 no @ Rs 26765.17 / no						Rs 214121.36		
5	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								
Head Regulator shutter (4.6x4)M								
Skin plate 12mm plate	1*2	4.600	4.000			2.0	73.600	
End box plate 12mm plate	4*2	4.000	0.250			2.0	16.000	
End box stiffener plate 10mm plate	4*2	0.250	0.150			2.0	0.600	
Roller support plate 10mm plate	8*2	0.200	0.200			2.0	1.281	
Roller locking plate 10mm plate	4*2	0.200	0.180			2.0	0.576	
Vertical seal seat-16mm plate	2*2	4.000	0.150			2.0	4.800	
Seal seat vertical bottom 10mm plate	2*2	0.105	0.090			2.0	0.076	
Seal seat horizontal 16mm plate	1*2	4.600	0.080			2.0	1.472	
Seal clamp horizontal 10mm plate	1*2	4.600	0.080			2.0	1.472	
Seal guard 20mm plate	1*2	4.600	0.020			2.0	0.368	
Lifting bracket base 16mm plate	2*2	0.250	0.500			2.0	1.000	
Lifting bracket base 16mm plate	2*2	0.400	0.300			2.0	0.960	
Head regulator shutter (4.6x4)M								
Top stiffener ISMC 150x75	1*2	4.600				0.6	5.520	
Bottom stiffener ISA 75x75x8	1*2	4.600				0.3	2.760	
Horizontal stiffener ISMB 200x100	5*2	4.300				0.8	34.400	
Vertical stiffener ISA 75x75x8	5*2	4.000				0.3	12.000	
Bracing angle ISA 75x75x8	2*2	4.500				0.3	5.400	

	Bracing bottom ISA 75x75x8	4*2	0.700			0.3	1.680		
	Seat clamp vertical ISA 75x75x8	2*2	4.000			0.3	4.800		
	Total Quantity						168.765 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						168.765 sqm		
	Say 168.765 sqm @ Rs 809.89 / sqm						Rs 136681.09		
6	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								
	Head Regulator shutter (4.6x4)M								
	Skin plate 12mm plate	1*2	4.600	4.000	12.000	7.85	3466.560		
	End box plate 12mm plate	4*2	4.000	0.250	12.000	7.85	753.600		
	End box stiffener plate 10mm plate	4*2	0.250	0.150	10.000	7.85	23.550		
	Roller support plate 10mm plate	8*2	0.200	0.200	10.000	7.85	50.241		
	Roller locking plate 10mm plate	4*2	0.200	0.180	10.000	7.85	22.608		
	Vertical seal seat-16m plate	2*2	4.000	0.150	16.000	7.85	301.440		
	Seal seat vertical bottom 10mm plate	2*2	0.105	0.090	10.000	7.85	2.968		
	Seal seat Horizontal 16mm plate	1*2	4.600	0.080	16.000	7.85	92.442		
	Seal clamp horizontal 10mm plate	1*2	4.600	0.080	10.000	7.85	57.776		
	Seal guard 20mm plate	1*2	4.600	0.020	20.000	7.85	28.888		
	Lifting bracket base 16mm plate	2*2	0.250	0.500	16.000	7.85	62.800		
	Lifting bracket 16mm plate	2*2	0.400	0.300	16.000	7.85	60.288		
	Head regulator shutter (4.6x4)M								

	Top stiffener ISMC 150x75	1*2	4.600				16.4	150.880		
	Bottom stiffener ISA 75X75X8	1*2	4.600				8.9	81.880		
	Horizontal stiffener ISMB 200x100	5*2	4.300				25.4	1092.200		
	Vertical stiffener ISA 75x75x8	5*2	4.000				8.9	356.000		
	Bracing angle ISA 75x75x8	2*2	4.500				8.9	160.201		
	Bracing Bottom ISA 75x75x8	4*2	0.700				8.9	49.840		
	Seal clamp vertical ISA 75x75x8	2*2	4.000				8.9	142.400		
	Total Quantity							6956.562 kg		
	Total Deducted Quantity							0.000 kg		
	Net Total Quantity							6956.562 kg		
	Say 6956.562 kg @ Rs 6.09 / kg							Rs 42365.46		
Sl No	Description	No	L	B	D	CF	Quantity	Remark		
16 H8- Fixing of Rubber Seal										
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									
	Head Regulator shutter									
	Flat Rubber Seal	1*2	4.600				9.200			
	Total Quantity							9.200 metre		
	Total Deducted Quantity							0.000 metre		
	Net Total Quantity							9.200 metre		
	Say 9.200 metre @ Rs 1905.10 / metre							Rs 17526.92		
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									
	Head Regulator Shutter									
	L - Type Rubber Seal	2*2	4.000				16.000			
	Total Quantity							16.000 metre		

							Total Deducted Quantity	0.000 metre
							Net Total Quantity	16.000 metre
							Say 16.000 metre @ Rs 2675.20 / metre	Rs 42803.20
Sl No	Description	No	L	B	D	CF	Quantity	Remark
17 H9- Supply, Fabrication, Painting and Erection of Hoisting bridge.								
1	85.101 Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges							
Gear box assembly (4.6x4M)								
	Frame extension plate-1 10mm plate	2*2	1.540	0.060	10.000	7.85	29.014	
	Frame extension plate-2 10mm plate	2*2	0.690	0.060	10.000	7.85	13.000	
	Drum support plate-1 10mm plate	8*2	0.220	0.080	10.000	7.85	22.106	
	Drum support plate-2 10mm plate	4*2	0.150	0.080	10.000	7.85	7.536	
	Stiffener plate-1 10mm plate	10*2	0.226	0.130	10.000	7.85	46.127	
	Stiffener plate-2 10mm plate	2*2	0.222	0.070	10.000	7.85	4.880	
	Drum shaft support plate-1 20mm plate	4*2	0.460	0.350	20.000	7.85	202.216	
	Drum shaft support plate-1 20mm plate	4*2	0.280	0.100	20.000	7.85	35.168	
	Plummer block base-1 20mm plate	4*2	0.275	0.090	20.000	7.85	31.086	
	Plummer block base-2 30mm plate	4*2	0.255	0.090	30.000	7.85	43.238	
	Spacer OD-200, ID-72, 8Thk	4*2	0.200	0.200	8.000	7.85	20.097	
Drive unit cover (4.6x4M)								
	Side cover-1 3.15 sheet	2*2	1.355	0.965	3.150	7.85	129.333	
	Side cover-2 3.15 sheet	2*2	0.965	0.820	3.150	7.85	78.268	
	Top cover-1 3.15 sheet	1*2	1.400	0.820	3.150	7.85	56.775	

	Plate for top cover 8mm sheet	1*2	0.100	0.100	8.000	7.85	1.257	
	Handle plate 5mm plate	2*2	0.595	0.055	5.000	7.85	5.138	
	Plummer block support (4.6x4M)							
	Plummer block base 10mm plate	4*2	0.300	0.150	10.000	7.85	28.260	
	Plummer block support-1 10mm plate	2*2	0.330	0.300	10.000	7.85	31.086	
	Plummer block support-2 10mm plate	2*2	0.330	0.130	10.000	7.85	13.471	
	Hoisting bridge (4.6x4M)							
	Longitudinal Girder Flange 16mm plate	4*2	5.990	0.150	16.000	7.85	902.813	
	Longitudinal girder web 10mm plate	2*2	5.990	1.200	10.000	7.85	2257.032	
	Web stiffener end side 10mm plate	8*2	1.216	0.160	10.000	7.85	244.368	
	Base plate main girder 20mm plate	6*2	0.290	0.340	20.000	7.85	185.763	
	Alignment base plate- 1 10mm plate	2*2	0.290	0.340	10.000	7.85	30.961	
	Alignment base plate- 2 10mm plate	4*2	0.590	0.340	10.000	7.85	125.977	
	Web stiffener-1 10mm plate	8*2	0.910	0.065	10.000	7.85	74.293	
	Web stiffener-2 10mm plate	4*2	1.010	0.065	10.000	7.85	41.229	
	Web stiffener-3 10mm plate	16*2	1.060	0.065	10.000	7.85	173.077	
	Web stiffener-4 10mm plate	28*2	1.200	0.065	10.000	7.85	342.888	
	Pulley frame-1 16mm plate	4*2	0.792	0.550	16.000	7.85	437.691	
	Pin lock plate 10mm plate	8*2	0.120	0.050	10.000	7.85	7.536	
	Spacer OD-180, ID- 92, 8Thk	4*2	0.180	0.180	8.000	7.85	16.278	

	Spacer plate 10mm plate	2*2	0.150	0.150	10.000	7.85	7.065		
	Anchor rod plate Dia 100x10Thk	16*2	0.100	0.100	10.000	7.85	25.121		
	Gear box cover (4.6x4M)								
	Cover-1 3.15 sheet	2*2	2.400	0.480	3.150	7.85	113.945		
	Cover-1 3.15 sheet	4*2	1.455	0.675	3.150	7.85	194.284		
	Cover-1 3.15 sheet	2*2	0.310	0.210	3.150	7.85	6.440		
	Drive unit (4.6x4M)								
	Worm reducer base-1 10mm plate	1*2	0.375	0.300	10.000	7.85	17.663		
	Worm reducer angle support-1 10mm plate	4*2	0.090	0.090	10.000	7.85	5.087		
	Worm reducer angle support-2 10mm plate	2*2	0.135	0.100	10.000	7.85	4.239		
	Brake support-1 10mm plate	1*2	0.350	0.125	10.000	7.85	6.869		
	Brake support stiffener-2 10mm plate	4*2	0.065	0.065	10.000	7.85	2.654		
	Base plate motor-1 10mm plate	1*2	0.220	0.200	10.000	7.85	6.908		
	Base plate stiffener motor-1 10mm plate	1*2	0.100	0.054	10.000	7.85	0.848		
	Base plate stiffener motor-2 10mm plate	2*2	0.065	0.065	10.000	7.85	1.327		
	Total Quantity							6030.412 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							6030.412 kg	
	Say 6030.412 kg @ Rs 64.18 / kg							Rs 387031.84	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Gear box cover (4.6x4M)								
	Frame-1 ISA 35x35x5	4*2	2.400			2.6	49.920		
	Frame-2 ISA 35x35x5	4*2	0.490			2.6	10.192		
	Frame-3 ISA 35x35x5	2*2	0.836			2.6	8.695		

	Frame-4 ISA 35x35x5	4*2	0.059			2.6	1.228	
	Frame-5 ISA 35x35x5	2*2	0.096			2.6	0.999	
	Frame-6 ISA 35x35x5	2*2	0.230			2.6	2.393	
	Frame-7 ISA 35x35x5	8*2	0.420			2.6	17.472	
	Curved frame-1 50x5 Flat	4*2	1.209	0.050	5.000	7.85	18.982	
	Curved frame-2 50x5 Flat	2*2	1.245	0.050	5.000	7.85	9.774	
	Ladder							
	Ladder rails ISMC 150X75	2*1	11.000			16.4	360.800	
	Platform ISA 75x75x8	42*1	1.500			8.9	560.700	
	Platform ISA 75x75x8	56*1	0.300			8.9	149.520	
	Support ISMC 150x75	2*1	1.500			16.4	49.200	
	Hand rail ISA 75x75x8	18*1	1.000			8.9	160.201	
	Hand rail support ISA 75x75x8	18*1	0.150			8.9	24.030	
	Hoisting bridge(4.6x4M)							
	Cross girder-1 (C-6), ISMC 300X90	4*2	2.090			35.8	598.576	
	Cross girder-2 (C-4), ISMC 200X75	2*2	2.090			22.1	184.756	
	Cross girder-3 (C-3), ISMC 150X75	4*2	0.670			16.4	87.904	
	Cross girder-4 (C-4), ISMC 150X75	2*2	1.080			16.4	70.848	
	Cross girder-5 (C-7), ISMC 150X75	8*2	2.090			16.4	548.416	
	Walk way supporting channel ISA 65X65X6	28*2	0.100			5.8	32.481	
	Catwalk main support ISMC 150X75	8*2	0.595			16.4	156.128	
	Longitudinal support ISA 65X65X6	2*2	8.995			5.8	208.684	
	Support ISA 65X65X6	1*2	1.500			5.8	17.400	
	Hand rail post ISA 50x50x6	19*2	1.250			4.5	213.750	

Hand rail middle 50x8 Flat	2*2	8.735	0.050	8.000	7.85	109.712	
Hand rail middle 50x8 Flat	1*2	1.600	0.050	8.000	7.85	10.049	
Hand rail support ISA 75x75x8	16*2	0.150			8.9	42.720	
Inclined support ISA 75x75x8	8*2	0.700			8.9	99.680	
Drive unit (4.6x4M)							
Motor Frame-1 ISMC 150X75	2*2	1.550			16.4	101.680	
Motor Frame-2 ISMC 150X75	2*2	0.700			16.4	45.920	
Motor Frame-3 ISMC 150X75	1*2	0.700			16.4	22.960	
Frame of hand operating mechanism-1 ISA 75x75x8	4*2	0.800			8.9	56.961	
Frame of hand operating mechanism-2 ISA 75x75x8	2*2	0.400			8.9	14.241	
Frame of hand operating mechanism-3 ISA 75x75x8	2*2	0.500			8.9	17.800	
Worm reducer support-1 ISA 100X100X8	2*2	0.700			12.1	33.880	
Brake frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	
Gear frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	
Plummer block frame ISA 100x100x8	1*2	0.250			12.1	6.050	
Drive unit cover (4.6x4M)							
Frame-1 ISA 35x35x8	2*2	0.840			3.0	10.080	
Frame-2 ISA 35x35x8	2*2	0.935			3.0	11.220	
Frame-2 ISA 35x35x8	2*2	0.250			3.0	3.000	
Frame-4 ISA 35x35x8	4*2	1.000			3.0	24.000	

	Frame-5 ISA 35x35x8	2*2	0.770			3.0	9.240		
	Frame-6 ISA 35x35x8	2*2	1.400			3.0	16.800		
	Frame-7 ISA 35x35x8	2*2	0.770			3.0	9.240		
	Gear box assy (4.6x4M)								
	Winch unit frame-1 ISMC 250X80	2*2	1.540			30.4	187.264		
	Winch unit frame-2 ISMC 250X80	2*2	0.670			30.4	81.472		
	Winch unit frame-3 ISMC 250X80	2*2	0.850			30.4	103.360		
	Winch unit frame-4 ISMC 250X80	2*2	0.453			30.4	55.085		
	Winch unit frame-5 ISMC 250X80	2*2	0.770			30.4	93.632		
	Winch unit frame-6 ISMC 250X80	2*2	0.210			30.4	25.536		
	Total Quantity						4784.471 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						4784.471 kg		
	Say 4784.471 kg @ Rs 66.13 / kg						Rs 316397.07		
3	85.103 Supply of MS chequered plates including cost of conveyance charges								
	Hoisting platform (4.6x4M)								
	MS chequered plate 6mm	2*2	2.040	0.570		49.2	228.840		
	MS chequered plate 6mm	2*2	0.745	0.860		49.2	126.090		
	MS chequered plate 6mm	2*2	1.020	0.745		49.2	149.549		
	MS chequered plate 6mm	2*2	0.770	0.230		49.2	34.854		
	MS chequered plate 6mm	2*2	1.020	0.450		49.2	90.332		
	MS chequered plate 6mm	1*2	1.950	2.030		49.2	389.517		
	MS chequered plate 6mm	1*2	2.030	1.930		49.2	385.522		

	MS chequered plate 6mm	1*2	5.995	0.410		49.2	241.863		
	Step for ladder								
	MS chequered plate 6mm	20*2	1.500	0.300		49.2	885.600		
	Total Quantity						2532.167 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						2532.167 kg		
	Say 2532.167 kg @ Rs 73.33 / kg						Rs 185683.81		
4	od158852/2019_2020 Supply of NB 32mm GI pipe								
	Hand rails NB 32								
	Hand rails of Hoist bridge	3*2	5.990				35.940		
	Hand rails of Hoist bridge side	3*2	2.000				12.000		
	Ladder hand rail	4*1	11.000				44.000		
	Total Quantity						91.940 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						91.940 metre		
	Say 91.940 metre @ Rs 220.96 / metre						Rs 20315.06		
5	od158853/2019_2020 Cost of MS Bolts and Nuts								
	Head Regulator (4.6x4M)								
	M16x35 Bolts W/ nuts	16*2				0.13	4.000		
	M16x50 Bolts W/ nuts	8*2				0.14	2.176		
	M12x100 Bolts W/ nuts	24*2				0.12	5.664		
	M30x135 Bolts W/ nuts	4*2				1.13	9.040		
	M16x30 Hexagonal screws	16*2*2				0.11	6.848		
	M16x100 Bolts W/ nuts	8*2*2				0.21	6.848		
	M16x65 Bolts W/ nuts	6*2*2				0.16	3.840		
	M16x65 screw	4*2*2				0.22	3.440		

	Screw M6x20	6*2*2				0.01	0.140		
	Screw M6x15	8*2*2				0.0	0.135		
	Screw M6x15	8*2*2				0.0	0.135		
	M12x40 Bolts W/ nuts	16*2*2				0.06	4.000		
	Washer	304				0.01	3.040		
	Total Quantity						49.306 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						49.306 kg		
	Say 49.306 kg @ Rs 77.77 / kg						Rs 3834.53		
6	85.124 Fabrication and supply of Hoisting bridge unit in structural steel conforming to IS2062Gr including ladder, covers for hoisting unit etc as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, incidental and handling charges for fixing handrails and allied works etc complete but excluding material already supplied and weight of pipes for hand rails etc								
	Hoisting platform (4.6x4M)								
	MS chequered plate 6mm	2*2	2.040	0.570		49.2	228.840		
	MS chequered plate 6mm	2*2	0.745	0.860		49.2	126.090		
	MS chequered plate 6mm	2*2	1.020	0.745		49.2	149.549		
	MS chequered plate 6mm	2*2	0.770	0.230		49.2	34.854		
	MS chequered plate 6mm	2*2	1.020	0.450		49.2	90.332		
	MS chequered plate 6mm	1*2	1.950	2.030		49.2	389.517		
	MS chequered plate 6mm	1*2	2.030	1.930		49.2	385.522		
	MS chequered plate 6mm	1*2	5.995	0.410		49.2	241.863		
	Step for ladder								
	MS chequered plate 6mm	20*2	1.500	0.300		49.2	885.600		
	Gear box assy (4.6x4M)								
	Winch unit frame-1 ISMC 250X80	2*2	1.540			30.4	187.264		

Winch unit frame-2 ISMC 250X80	2*2	0.670			30.4	81.472	
Winch unit frame-3 ISMC 250X80	2*2	0.850			30.4	103.360	
Winch unit frame-4 ISMC 250X80	2*2	0.453			30.4	55.085	
Winch unit frame-5 ISMC 250X80	2*2	0.770			30.4	93.632	
Winch unit frame-6 ISMC 250X80	2*2	0.210			30.4	25.536	
Drive unit cover (4.6x4M)							
Frame-1 ISA 35x35x6	2*2	0.840			3.0	10.080	
Frame-2 ISA 35x35x6	2*2	0.935			3.0	11.220	
Frame-2 ISA 35x35x6	2*2	0.250			3.0	3.000	
Frame-4 ISA 35x35x6	4*2	1.000			3.0	24.000	
Frame-5 ISA 35x35x6	2*2	0.770			3.0	9.240	
Frame-6 ISA 35x35x6	2*2	1.400			3.0	16.800	
Frame-7 ISA 35x35x6	2*2	0.770			3.0	9.240	
Drive unit (4.6x4M)							
Motor frame-1 ISMC 150X75	2*2	1.550			16.4	101.680	
Motor frame-2 ISMC 150X75	2*2	0.700			16.4	45.920	
Motor frame-3 ISMC 150X75	1*2	0.700			16.4	22.960	
Frame of hand operating mechanism- 1 ISA 75X75X8	4*2	0.800			8.9	56.961	
Frame of hand operating mechanism- 2 ISA 75X75X8	2*2	0.400			8.9	14.241	
Frame of hand operating mechanism- 3 ISA 75X75X8	2*2	0.500			8.9	17.800	
Worm reducer support-1 ISA 100X100X8	2*2	0.700			12.1	33.880	

	Brake frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	
	Gear frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	
	Plummer block frame ISA 100x100x8	1*2	0.250			12.1	6.050	
	Hoisting bridge (4.64x4M)							
	Cross girder-1 (C-6), ISMC 300X90	4*2	2.090			35.8	598.576	
	Cross girder-2 (C-4), ISMC 200X75	2*2	2.090			22.1	184.756	
	Cross girder-3 (C-3), ISMC 150X75	4*2	0.670			16.4	87.904	
	Cross girder-4 (C-2), ISMC 150X75	2*2	1.080			16.4	70.848	
	Cross girder-5 (C-7), ISMC 150X75	8*2	2.090			16.4	548.416	
	Walk way supporting channel ISA 65X65X6	28*2	0.100			5.8	32.481	
	Catwalk main support ISMC 150X75	8*2	0.595			16.4	156.128	
	Longitudinal support ISA 65X65X6	2*2	8.995			5.8	208.684	
	Support ISA 65X65X6	1*2	1.500			5.8	17.400	
	Hand rail post ISA 50X50X6	19*2	1.250			4.5	213.750	
	Hand rail middle 50x8 Flat	2*2	8.735	0.050	8.000	7.85	109.712	
	Hand rail middle 50x8 Flat	1*2	1.600	0.050	8.000	7.85	10.049	
	Hand rail support ISA 75X75X8	16*2	0.150			8.9	42.720	
	Inclined support ISA 75X75X8	8*2	0.700			8.9	99.680	
	Ladder							
	Ladder Rails ISMC 150X75	2*1	11.000			16.4	360.800	
	Platform ISA 75X75X8	42*1	1.500			8.9	560.700	

	Platform ISA 75X75X8	56*1	0.300			8.9	149.520	
	Support ISMC 150X75	2*1	1.500			16.4	49.200	
	Hand rail ISA 75x75x8	18*1	1.000			8.9	160.201	
	Hand rail support ISA 75x75x8	18*1	0.150			8.9	24.030	
Gear box cover (4.6x4M)								
	Frame-1 ISA 35x35x5	4*2	2.400			2.6	49.920	
	Frame-2 ISA 35x35x5	4*2	0.490			2.6	10.192	
	Frame-3 ISA 35x35x5	2*2	0.836			2.6	8.695	
	Frame-4 ISA 35x35x5	4*2	0.059			2.6	1.228	
	Frame-5 ISA 35x35x5	2*2	0.096			2.6	0.999	
	Frame-6 ISA 35x35x5	2*2	0.230			2.6	2.393	
	Frame-7 ISA 35x35x5	8*2	0.420			2.6	17.472	
	Curved frame-1 50x5 Flat	4*2	1.209	0.050	5.000	7.85	18.982	
	Curved frame-2 50x5 Flat	2*2	1.245	0.050	5.000	7.85	9.774	
Drive unit (4.6x4M)								
	Worm reducer base-1 10mm plate	1*2	0.375	0.300	10.000	7.85	17.663	
	Worm reducer angle support-1 10mm plate	4*2	0.090	0.090	10.000	7.85	5.087	
	Worm reducer angle support-2 10mm plate	2*2	0.135	0.100	10.000	7.85	4.239	
	Brake support-1 10mm plate	1*2	0.350	0.125	10.000	7.85	6.869	
	Brake support stiffener-2 10mm plate	4*2	0.065	0.065	10.000	7.85	2.654	
	Base plate motor-10mm plate	1*2	0.220	0.200	10.000	7.85	6.908	
	Base motor stiffener motor-1 10mm plate	1*2	0.100	0.054	10.000	7.85	0.848	
	Base motor stiffener motor-2 10mm plate	2*2	0.065	0.065	10.000	7.85	1.327	
Gear box cover (4.6x4M)								
	Cover-1 3.15 sheet	2*2	2.400	0.480	3.150	7.85	113.945	

	Cover-1 3.15 sheet	4*2	1.455	0.675	3.150	7.85	194.284	
	Cover-1 3.15 sheet	2*2	0.310	0.210	3.150	7.85	6.440	
	Hoisting bridge (4.6x4M)							
	Longitudinal girder flange 16mm plate	4*2	5.990	0.150	16.000	7.85	902.813	
	Longitudinal girder web 10mm plate	2*2	5.990	1.200	10.000	7.85	2257.032	
	Web stiffener end side 10mm plate	8*2	1.216	0.160	10.000	7.85	244.368	
	Base plate main girder 20mm plate	6*2	0.290	0.340	20.000	7.85	185.763	
	Alignment base plate-1 10mm plate	2*2	0.290	0.340	10.000	7.85	30.961	
	Alignment base plate-2 10mm plate	4*2	0.590	0.340	10.000	7.85	125.977	
	Web stiffener-1 10mm plate	8*2	0.910	0.065	10.000	7.85	74.293	
	Web stiffener-2 10mm plate	4*2	1.010	0.065	10.000	7.85	41.229	
	Web stiffener-3 10mm plate	16*2	1.060	0.065	10.000	7.85	173.077	
	Web stiffener-4 10mm plate	28*2	1.200	0.065	10.000	7.85	342.888	
	Pulley frame-1 16mm plate	4*2	0.792	0.550	16.000	7.85	437.691	
	Pin lock plate 10mm plate	8*2	0.120	0.050	10.000	7.85	7.536	
	Spacer OD-180, ID-92, 8Thk	4*2	0.180	0.180	8.000	7.85	16.278	
	Spacer plate 10mm plate	2*2	0.150	0.150	10.000	7.85	7.065	
	Anchor rod plate Dia 100x19Thk	16*2	0.100	0.100	10.000	7.85	25.121	
	Plummer block support (4.6x4M)							
	Plummer block base 10mm plate	4*2	0.300	0.150	10.000	7.85	28.260	
	Plummer block support-1 10mm plate	2*2	0.330	0.300	10.000	7.85	31.086	

	Plummer block support-2 10mm plate	2*2	0.330	0.130	10.000	7.85	13.471		
	Drive unit cover (4.6x4M)								
	Side cover-1 3.15 sheet	2*2	1.355	0.965	3.150	7.85	129.333		
	Side cover-2 3.15 sheet	2*2	0.965	0.820	3.150	7.85	78.268		
	Top cover-1 3.15 sheet	1*2	1.400	0.820	3.150	7.85	56.775		
	Plate for top cover 8mm sheet	1*2	0.100	0.100	8.000	7.85	1.257		
	Handle plate 5mm plate	2*2	0.595	0.055	5.000	7.85	5.138		
	Gear box assembly (4.6x4M)								
	Frame extension plate-1 10mm plate	2*2	1.540	0.060	10.000	7.85	29.014		
	Frame extension plate-2 10mm plate	2*2	0.690	0.060	10.000	7.85	13.000		
	Drum support plate-1 10mm plate	8*2	0.220	0.080	10.000	7.85	22.106		
	Drum support plate-2 10mm plate	4*2	0.150	0.080	10.000	7.85	7.536		
	Stiffener-1 10mm plate	10*2	0.226	0.130	10.000	7.85	46.127		
	Stiffener-2 10mm plate	2*2	0.222	0.070	10.000	7.85	4.880		
	Drum shaft support plate-1 20mm plate	4*2	0.460	0.350	20.000	7.85	202.216		
	Drum shaft support plate-1 20mm plate	4*2	0.280	0.100	20.000	7.85	35.168		
	Plummer block base-1 20mm plate	4*2	0.275	0.090	20.000	7.85	31.086		
	Plummer block base-2 20mm plate	4*2	0.255	0.090	30.000	7.85	43.238		
	Spacer OD-200, ID72, 8Thk	4*2	0.200	0.200	8.000	7.85	20.097		
	Total Quantity						13347.050 kg		
	Total Deducted Quantity						0.000 kg		

	Net Total Quantity						13347.050 kg	
	Say 13347.050 kg @ Rs 58.93 / kg						Rs 786541.66	
7	85.115 Cost of painting with 2 coats of enamel paint over 1 coat of zinchromate primer as per IS1477:1994 after hand and power tool cleaning 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 department officers at site							
	Hoisting platform (4.6x4M)							
	MS chequered plate 6mm	2*2	2.040	0.570		2.0	9.303	
	MS chequered plate 6mm	2*2	0.745	0.860		2.0	5.126	
	MS chequered plate 6mm	2*2	1.020	0.745		2.0	6.080	
	MS chequered plate 6mm	2*2	0.770	0.230		2.0	1.417	
	MS chequered plate 6mm	2*2	1.020	0.450		2.0	3.672	
	MS chequered plate 6mm	1*2	1.950	2.030		2.0	15.834	
	MS chequered plate 6mm	1*2	2.030	1.930		2.0	15.672	
	MS chequered plate 6mm	1*2	5.995	0.410		2.0	9.832	
	Gear box assembly (4.6x4M)							
	Frame extension plate-1 10mm plate	2*2	1.540	0.060		2.0	0.740	
	Frame extension plate-2 10mm plate	2*2	0.690	0.060		2.0	0.332	
	Drum support plate-1 10mm plate	8*2	0.220	0.080		2.0	0.564	
	Drum support plate-2 10mm plate	4*2	0.150	0.080		2.0	0.192	
	Stiffener-1 10mm plate	10*2	0.226	0.130		2.0	1.176	
	Stiffener-2 10mm plate	2*2	0.222	0.070		2.0	0.125	

Drum shaft support plate-1 20mm plate	4*2	0.460	0.350		2.0	2.576	
Drum shaft support plate-1 20mm plate	4*2	0.280	0.100		2.0	0.449	
Plummer block base-1 20mm plate	4*2	0.275	0.090		2.0	0.396	
Plummer block base-2 30mm plate	4*2	0.255	0.090		2.0	0.368	
Spacer OD-200, ID72, 8Thk	4*2	0.200	0.200		2.0	0.641	
Drive unit cover (4.6x4M)							
Side cover-1 3.15 sheet	2*2	1.355	0.965		2.0	10.461	
Side cover-2 3.15 sheet	2*2	0.965	0.820		2.0	6.331	
Top cover-1 3.15 sheet	1*2	1.400	0.820		2.0	4.592	
Plate for top cover 8mm sheet	1*2	0.100	0.100		2.0	0.041	
Handle plate 5mm plate	2*2	0.595	0.055		2.0	0.262	
Plummer block support (4.6x4M)							
Plummer block base 10mm plate	4*2	0.300	0.150		2.0	0.720	
Plummer block support-1 10mm plate	2*2	0.330	0.300		2.0	0.792	
Plummer block support-2 10mm plate	2*2	0.330	0.130		2.0	0.344	
Hoisting bridge (4.6x4M)							
Longitudinal Girder Flange 16mm plate	4*2	5.990	0.150		2.0	14.376	
Longitudinal girder web 10mm plate	2*2	5.990	1.200		2.0	57.504	
Web stiffener end side 10mm plate	8*2	1.216	0.160		2.0	6.226	
Base plate main girder 20mm plate	6*2	0.290	0.340		2.0	2.367	

Alignment base plate-1 10mm plate	2*2	0.290	0.340		2.0	0.789	
Alignment base plate-2 10mm plate	4*2	0.590	0.340		2.0	3.210	
Web stiffener-1 10mm plate	8*2	0.910	0.065		2.0	1.893	
Web stiffener-2 10mm plate	4*2	1.010	0.065		2.0	1.051	
Web stiffener-3 10mm plate	16*2	1.060	0.065		2.0	4.410	
Web stiffener-4 10mm plate	28*2	1.200	0.065		2.0	8.736	
Pulley frame-1 16mm plate	4*2	0.792	0.550		2.0	6.970	
Pin lock plate 10mm plate	8*2	0.120	0.050		2.0	0.192	
Spacer OD-180, ID92, 8Thk	4*2	0.180	0.180		2.0	0.519	
Spacer plate 10mm plate	2*2	0.150	0.150		2.0	0.180	
Anchor rod plate Dia 100x10Thk	16*2	0.100	0.100		2.0	0.641	
Gear box cover (4.6x4M)							
Cover-1 3.15 sheet	2*2	2.400	0.480		2.0	9.216	
Cover-1 3.15 sheet	4*2	1.455	0.675		2.0	15.715	
Cover-1 3.15 sheet	2*2	0.310	0.210		2.0	0.521	
Drive unit (4.6x4M)							
Worm reducer base-1 10mm plate	1*2	0.375	0.300		2.0	0.450	
Worm reducer angle support-1 10mm plate	4*2	0.090	0.090		2.0	0.130	
Worm reducer angle support-2 10mm plate	2*2	0.135	0.100		2.0	0.109	
Brake support-1 10mm plate	1*2	0.350	0.125		2.0	0.175	
Brake support stiffener-2 10mm plate	4*2	0.065	0.065		2.0	0.068	

	Base plate motor-10mm plate	1*2	0.220	0.200		2.0	0.177	
	Base plate stiffener motor-1 10mm plate	1*2	0.100	0.054		2.0	0.022	
	Base plate stiffener motor-2 10mm plate	2*2	0.065	0.065		2.0	0.034	
Gear box cover (4.6x4M)								
	Frame-1 ISA 35x35x5	4*2	2.400			0.14	2.688	
	Frame-2 ISA 35x35x5	4*2	0.490			0.14	0.549	
	Frame-3 ISA 35x35x5	2*2	0.836			0.14	0.469	
	Frame-4 ISA 35x35x5	4*2	0.059			0.14	0.067	
	Frame-5 ISA 35x35x5	2*2	0.096			0.14	0.054	
	Frame-6 ISA 35x35x5	2*2	0.230			0.14	0.129	
	Frame-7 ISA 35x35x5	8*2	0.420			0.14	0.941	
	Curved frame-1 50x5 Flat	4*2	1.209	0.050		2.0	0.968	
	Curved frame-2 50x5 Flat	2*2	1.245	0.050		2.0	0.499	
Ladder								
	Ladder Rails ISMC 150x75	2*1	11.000			0.6	13.200	
	Platform ISA 75x75x8	42*1	1.500			0.3	18.900	
	Platform ISA 75x75x8	56*1	0.300			0.3	5.040	
	Support ISMC 150x75	2*1	1.500			0.6	1.800	
	Hand rail ISA 75x75x8	18*1	1.000			0.3	5.400	
	Hand rail support ISA 75x75x8	18*1	0.150			0.3	0.810	
Hoisting bridge (4.6x4M)								
	Cross girder-1 (C-6), ISMC 300X90	4*2	2.090			0.96	16.052	
	Cross girder-2 (C-4), ISMC 200X75	2*2	2.090			0.7	5.852	
	Cross girder-3 (C-3), ISMC 150X75	4*2	0.670			0.6	3.216	
	Cross girder-4 (C-2), ISMC 150X75	2*2	1.080			0.6	2.592	

Cross girder-5 (C-7), ISMC 150X75	8*2	2.090			0.6	20.064	
Walk way supporting channel ISA 65X65X6	28*2	0.100			0.26	1.457	
Catwalk main support ISMC 150X75	8*2	0.595			0.6	5.712	
Longitudinal support ISA 65X65X6	2*2	8.995			0.26	9.355	
Support ISA 65X65X6	1*2	1.500			0.26	0.780	
Hand rail post ISA 50X50X6	19*2	1.250			0.2	9.500	
Hand rail middle 50x8 flat	2*2	8.735	0.050		2.0	3.494	
Hand rail middle 50x8 flat	1*2	1.600	0.050		2.0	0.321	
Hand rail support ISA 75X75X8	16*2	0.150			0.3	1.440	
Inclined support ISA 75X75X8	8*2	0.700			0.3	3.360	
Drive unit (4.6x4M)							
Motor frame-1 ISMC 150X75	2*2	1.550			0.6	3.720	
Motor frame-2 ISMC 150X75	2*2	0.700			0.6	1.680	
Motor frame-3 ISMC 150X75	1*2	0.700			0.6	0.840	
Frame of hand operating mechanism- 1 ISA 75X75X8	4*2	0.800			0.3	1.920	
Frame of hand operating mechanism- 2 ISA 75X75X8	2*2	0.400			0.3	0.480	
Frame of hand operating mechanism- 3 ISA 75X75X8	2*2	0.500			0.3	0.600	
Worm reducer support-1 ISA 75 X 75 X 8	2*2	0.700			0.4	1.120	

Brake frame-1 ISA 75X75X8	2*2	0.700			0.3	0.840	
Gear frame-1 ISA 75X75X8	2*2	0.700			0.3	0.840	
Plummer block frame ISA 100X100X8	1*2	0.250			0.4	0.200	
Drive unit cover (4.6x4M)							
Frame-1 ISA 35x35x6	2*2	0.840			0.14	0.471	
Frame-2 ISA 35x35x6	2*2	0.935			0.14	0.524	
Frame-2 ISA 35x35x6	2*2	0.250			0.14	0.140	
Frame-4 ISA 35x35x6	4*2	1.000			0.14	1.120	
Frame-5 ISA 35x35x6	2*2	0.770			0.14	0.432	
Frame-6 ISA 35x35x6	2*2	1.400			0.14	0.784	
Frame-7 ISA 35x35x6	2*2	0.770			0.14	0.432	
Gear box assy (4.6x4M)							
Winch unit frame-1 ISMC 250X80	2*2	1.540			0.82	5.052	
Winch unit frame-2 ISMC 250X80	2*2	0.670			0.82	2.198	
Winch unit frame-3 ISMC 250X80	2*2	0.850			0.82	2.788	
Winch unit frame-4 ISMC 250X80	2*2	0.453			0.82	1.486	
Winch unit frame-5 ISMC 250X80	2*2	0.770			0.82	2.526	
Winch unit frame-6 ISMC 250X80	2*2	0.210			0.82	0.689	
Step for ladder							
MS chequered plate 6mm	20*2	1.500	0.300		2.0	36.000	
Hand rails NB 32							
Hand rails of Hoist bridge	3*2	5.990			0.13	4.673	
Hand rails of Hoist bridge side	3*2	2.000			0.13	1.560	
Ladder hand rail	4*1	11.000			0.13	5.721	

	Total Quantity						447.264 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						447.264 sqm	
	Say 447.264 sqm @ Rs 143.91 / sqm						Rs 64365.76	
8	od158860/2019_2020 Supplying and stacking of 15 Tonne capacity rope drum hoisting unit having 8 m lift at a hoisting speed of about 0.40 m/min(+/-10%) through pulley arrangements with two numbers of falls on either side with 20mm tested ungalvanized wire rope 6/36 construction, fibre core having breaking capacity 26402Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 3HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of line shaft, including cost of electro magnetic thruster brake assembly manual operating systems, electrical accessories like DOL starters, limit switch, main switches and other safety equipments as per drawings specifications and statutory requirements etc complete but excluding cost of wire rope.							
	Head Regulator shutter							
	15 Tonne hoisting unit	1*2					2.000	
	Total Quantity						2.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						2.000 set	
	Say 2.000 set @ Rs 731852.52 / set						Rs 1463705.04	
9	od158861/2019_2020 Cost of supplying and stacking 20mm, 6/36 construction, right hand lay ungalvanised main fibre core wire rope having UTS 180Kg/mm2 breaking load capacity 23853 Kg confirming to IS2266-1989							
	Head Regulator shutter							
	Wire rope	40*2					80.000	
	Total Quantity						80.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						80.000 metre	
	Say 80.000 metre @ Rs 309.77 / metre						Rs 24781.60	
10	85.128 Providing Line shaft ,material : MS rolled/ forged steel							
	Head Regulator Shutter							
	60mm Dia Line shaft	2*2	0.745			22.18	66.097	
	Total Quantity						66.097 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						66.097 kg	
	Say 66.097 kg @ Rs 128.95 / kg						Rs 8523.21	

11	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							
	Gear box assembly (4.6x4M)							
	Frame extension plate-1 10mm plate	2*2	1.540	0.060	10.000	7.85	29.014	
	Frame extension plate-2 10mm plate	2*2	0.690	0.060	10.000	7.85	13.000	
	Drum support plate-1 10mm plate	8*2	0.220	0.080	10.000	7.85	22.106	
	Drum support plate-2 10mm plate	4*2	0.150	0.080	10.000	7.85	7.536	
	Stiffener plate-1 10mm plate	10*2	0.226	0.130	10.000	7.85	46.127	
	Stiffener plate-2 10mm plate	2*2	0.222	0.070	10.000	7.85	4.880	
	Drum shaft support plate-1 20mm plate	4*2	0.460	0.350	20.000	7.85	202.216	
	Drum shaft support plate-1 20mm plate	4*2	0.280	0.100	20.000	7.85	35.168	
	Plummer block base-1 20mm plate	4*2	0.275	0.090	20.000	7.85	31.086	
	Plummer block base-2 30mm plate	4*2	0.255	0.090	30.000	7.85	43.238	
	Spacer OD-200, ID72, 8Thk	4*2	0.200	0.200	8.000	7.85	20.097	
	Drive unit cover (4.6x4M)							
	Side cover-1 3.15 sheet	2*2	1.355	0.965	3.150	7.85	129.333	
	Side cover-2 3.15 sheet	2*2	0.965	0.820	3.150	7.85	78.268	
	Top cover-1 3.15 sheet	1*2	1.400	0.820	3.150	7.85	56.775	
	Plate for top cover 8mm sheet	1*2	0.100	0.100	8.000	7.85	1.257	
	Handle plate 5mm plate	2*2	0.595	0.055	5.000	7.85	5.138	

Plummer block support (4.6x4M)								
Plummer block base 10mm plate	4*2	0.300	0.150	10.000	7.85	28.260		
Plummer block support-1 10mm plate	2*2	0.330	0.300	10.000	7.85	31.086		
Plummer block support-2 10mm plate	2*2	0.330	0.130	10.000	7.85	13.471		
Hoisting bridge (4.6X4M)								
Longitudinal girder flange 16mm plate	4*2	5.990	0.150	16.000	7.85	902.813		
Longitudinal girder web 10mm plate	2*2	5.990	1.200	10.000	7.85	2257.032		
Web stiffener end side 10mm plate	8*2	1.216	0.160	10.000	7.85	244.368		
Base plate main girder 20mm plate	6*2	0.290	0.340	20.000	7.85	185.763		
Alignment base plate- 1 10mm plate	2*2	0.290	0.340	10.000	7.85	30.961		
Alignment base plate- 2 10mm plate	4*2	0.590	0.340	10.000	7.85	125.977		
Web stiffener-1 10mm plate	8*2	0.910	0.065	10.000	7.85	74.293		
Web stiffener-2 10mm plate	4*2	1.010	0.065	10.000	7.85	41.229		
Web stiffener-3 10mm plate	16*2	1.060	0.065	10.000	7.85	173.077		
Web stiffener-4 10mm plate	28*2	1.200	0.065	10.000	7.85	342.888		
Pulley frame-1 16mm plate	4*2	0.792	0.550	16.000	7.85	437.691		
Pin lock plate 10mm plate	8*2	0.120	0.050	10.000	7.85	7.536		
Spacer OD-180, ID92, 8Thk	4*2	0.180	0.180	8.000	7.85	16.278		
Spacer plate 10mm plate	2*2	0.150	0.150	10.000	7.85	7.065		
Anchor rod plate Dia 100x10 Thk	16*2	0.100	0.100	10.000	7.85	25.121		

Gear box cover (4.6x4M)								
Cover-1 3.15 sheet	2*2	2.400	0.480	3.150	7.85	113.945		
Cover-1 3.15 sheet	4*2	1.455	0.675	3.150	7.85	194.284		
Cover-1 3.15 sheet	2*2	0.310	0.210	3.150	7.85	6.440		
Drive unit (4.6x4M)								
Worm reducer base-1 10mm plate	1*2	0.375	0.300	10.000	7.85	17.663		
Worm reducer angle support-1 10mm plate	4*2	0.090	0.090	10.000	7.85	5.087		
Worm reducer angle support-2 10mm plate	2*2	0.135	0.100	10.000	7.85	4.239		
Brake support-1 10mm plate	1*2	0.350	0.125	10.000	7.85	6.869		
Brake support stiffener-2 10mm plate	4*2	0.065	0.065	10.000	7.85	2.654		
Base plate motor 10mm plate	1*2	0.220	0.200	10.000	7.85	6.908		
Base plate stiffener motor-1 10mm plate	1*2	0.100	0.054	10.000	7.85	0.848		
Base plate stiffener motor-2 10mm plate	2*2	0.065	0.065	10.000	7.85	1.327		
Gear box cover (4.6x4M)								
Frame-1 ISA 35x35x5	4*2	2.400			2.6	49.920		
Frame-2 ISA 35x35x5	4*2	0.490			2.6	10.192		
Frame-3 ISA 35x35x5	2*2	0.836			2.6	8.695		
Frame-4 ISA 35x35x5	4*2	0.059			2.6	1.228		
Frame-5 ISA 35x35x5	2*2	0.096			2.6	0.999		
Frame-6 ISA 35x35x5	2*2	0.230			2.6	2.393		
Frame-7 ISA 35x35x5	8*2	0.420			2.6	17.472		
Curved frame-1 50x5 Flat	4*2	1.209	0.050	5.000	7.85	18.982		
Curved frame-2 50x5 Flat	2*2	1.245	0.050	5.000	7.85	9.774		
Ladder								
Ladder Rails ISMC 150X75	2*1	11.000			16.4	360.800		

	Platform ISA 75X75X8	42*1	1.500			8.9	560.700	
	Platform ISA 75X75X8	56*1	0.300			8.9	149.520	
	Support ISMC 150X75	2*1	1.500			16.4	49.200	
	Hand rail ISA 75 X 75 X 8	18*1	1.000			8.9	160.201	
	Hand rail support ISA 75X75X8	18*1	0.150			8.9	24.030	
	Hoisting bridge (4.6x4M)							
	Cross girder-1 (C-6), ISMC 300X90	4*2	2.090			35.8	598.576	
	Cross girder-2 (C-4), ISMC 200X75	2*2	2.090			22.1	184.756	
	Cross girder-3 (C-3), ISMC 150X75	4*2	0.670			16.4	87.904	
	Cross girder-4 (C-2), ISMC 150X75	2*2	1.080			16.4	70.848	
	Cross girder-5 (C-7), ISMC 150X75	8*2	2.090			16.4	548.416	
	Walk way supporting channel ISA 65X65X6	28*2	0.100			5.8	32.481	
	Catwalk main support ISMC 150X75	8*2	0.595			16.4	156.128	
	Longitudinal support ISA 65X65X6	2*2	8.995			5.8	208.684	
	Support ISA 65X65X6	1*2	1.500			5.8	17.400	
	Hand rail post ISA 50X50X6	19*2	1.250			4.5	213.750	
	Hand rail middle 50x8 Flat	2*2	8.735	0.050	8.000	7.85	109.712	
	Hand rail middle 50x8 Flat	1*2	1.600	0.050	8.000	7.85	10.049	
	Hand rail support ISA 75X75X8	16*2	0.150			8.9	42.720	
	Inclined support ISA 75X75X8	8*2	0.700			8.9	99.680	
	Drive unit (4.6x4M)							

Motor Frame-1 ISMC 150X75	2*2	1.550			16.4	101.680	
Motor Frame-2 ISMC 150X75	2*2	0.700			16.4	45.920	
Motor Frame-3 ISMC 150X75	1*2	0.700			16.4	22.960	
Frame of hand operating mechanism- 1 ISA 75X75X8	4*2	0.800			8.9	56.961	
Frame of hand operating mechanism- 2 ISA 75X75X8	2*2	0.400			8.9	14.241	
Frame of hand operating mechanism- 3 ISA 75X75X8	2*2	0.500			8.9	17.800	
Worm reducer support-1 ISA 100X100X8	2*2	0.700			12.1	33.880	
Brake frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	
Gear frame-1 ISA 75X75X8	2*2	0.700			8.9	24.920	
Plummer block frame ISA 100X100X8	1*2	0.250			12.1	6.050	
Drive unit cover (4.6x4M)							
Frame - 1 ISA 35 X 35 X 6	2*2	0.840			3.0	10.080	
Frame - 2 ISA 35 X 35 X 6	2*2	0.935			3.0	11.220	
Frame - 2 ISA 35 X 35 X 6	2*2	0.250			3.0	3.000	
Frame - 4 ISA 35 X 35 X 6	4*2	1.000			3.0	24.000	
Frame - 5 ISA 35 X 35 X 6	2*2	0.770			3.0	9.240	
Frame - 6 ISA 35 X 35 X 6	2*2	1.400			3.0	16.800	
Frame - 7 ISA 35 X 35 X 6	2*2	0.770			3.0	9.240	

Gear box assy (4.6x4M)								
Winch unit frame-1 ISMC 250X80	2*2	1.540				30.4	187.264	
Winch unit frame-2 ISMC 250X80	2*2	0.670				30.4	81.472	
Winch unit frame-3 ISMC 250X80	2*2	0.850				30.4	103.360	
Winch unit frame-4 ISMC 250X80	2*2	0.453				30.4	55.085	
Winch unit frame-5 ISMC 250X80	2*2	0.770				30.4	93.632	
Winch unit frame-6 ISMC 250X80	2*2	0.210				30.4	25.536	
Hoisting platform (4.6x4M)								
MS chequered plate 6mm	2*2	2.040	0.570			49.2	228.840	
MS chequered plate 6mm	2*2	0.745	0.860			49.2	126.090	
MS chequered plate 6mm	2*2	1.020	0.745			49.2	149.549	
MS chequered plate 6mm	2*2	0.770	0.230			49.2	34.854	
MS chequered plate 6mm	2*2	1.020	0.450			49.2	90.332	
MS chequered plate 6mm	1*2	1.950	2.030			49.2	389.517	
MS chequered plate 6mm	1*2	2.030	1.930			49.2	385.522	
MS chequered plate 6mm	1*2	5.995	0.410			49.2	241.863	
Step for ladder								
MS chequered plate 6mm	20*2	1.500	0.300			49.2	885.600	
Hand rails NB 32								
Hand rails of hoist bridge	3*2	5.990				1.65	59.301	
Hand rails of hoist bridge side	3*2	2.000				1.65	19.800	

	Ladder hand rail	4*1	11.000			1.65	72.600	
	Total Quantity						13498.751 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						13498.751 kg	
	Say 13498.751 kg @ Rs 3.40 / kg						Rs 45895.75	
12	85.125 Conveying and erecting in position the already supplied rope drum hoisting units (15T/ 20T/25T/30T) capacity on the hoisting bridge and correcting the alignment as far as possible manually as per the direction of departmental officer at site including cost of all labour, machinery, lead and lift and all incidental and conveyance charges etc complete							
	For hoisting unit							
	For 2 Nos hoisting unit	1*2					2.000	
	Total Quantity						2.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						2.000 no	
	Say 2.000 no @ Rs 55766.26 / no						Rs 111532.52	
13	85.135 Conveying and Fixing wire rope already supplied to the new gates and Hoisting unit safely and conducting Trial run							
	For hoisting unit							
	For 2 Nos hoisting unit	1*2					2.000	
	Total Quantity						2.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						2.000 set	
	Say 2.000 set @ Rs 16889.83 / set						Rs 33779.66	
	Provision for GST payments (in %) @						12.0%	
	Amount reserved for GST payments						71710818.51	
	Total						669300972.51	
	Lumpsum for round off						99027.49	
	TOTAL Rs 669400000.00							
	Rounded Total Rs 66,94,00,000							
	Rupees Sixty Six Crore Ninety Four Lakh Only							

(Cost Index Applied for this estimate is 31.06%)