

TS Register No: 1056/2020-2021

AS Register No:1114/2020-2021

**KIIFB PROJECT: CONSTRUCTION OF REGULATOR ACROSS CHITTUR PUZHA
AT VADAKARAPALLY PALATHULLI IN PERUVEMBA GRAMA PANCHAYATH IN
PALAKKAD 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									
1	2.3.1.B Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness In area of thorny jungle -By Manual Means								
	Right side bund	1	350.000	10.000		0.0	0.351		
	Left side bund	1	325.000	10.000		0.0	0.325		
	Puzha inner U/S	2	50.000	30.000		0.0	0.300		
	Total Quantity						0.976 Hecter		
	Total Deducted Quantity						0.000 Hecter		
	Net Total Quantity						0.976 Hecter		
	Say 0.976 Hecter @ Rs 133923.87 / Hecter						Rs 130709.70		
2	od43145/2019_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. 								
	Across puzha	2*2	75.000				300.000		
	Cross bund	2	30.000				60.000		
	Total Quantity						360.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						360.000 metre		
	Say 360.000 metre @ Rs 2186.49 / metre						Rs 787136.40		
3	od49660/2019_2020 RING BUND Type-I-Putting up ring bund as per approved shape 2.5m bottom width, 1m top width using empty gunny/polythene bags filled with earth placed in 2 rows at 0.6m apart and filled in between with puddle clay to form bund for an average height 2.00m including labour dismantling the bund after								

	completion of the work etc. complete.							
	For bank protection	1	140+132+ 50+50				372.000	
	Total Quantity						372.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						372.000 metre	
	Say 372.000 metre @ Rs 1250.47 / metre						Rs 465174.84	
4	od43137/2019_2020 Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
		3*90*8					2160.000	
	Total Quantity						2160.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						2160.000 hour	
	Say 2160.000 hour @ Rs 232.74 / hour						Rs 502718.40	
5	od43141/2019_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*40*8					640.000	
	Total Quantity						640.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						640.000 hour	
	Say 640.000 hour @ Rs 439.92 / hour						Rs 281548.80	
6	od43134/2019_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							
	Left side abutment	1	4.000	6.000	6.700		160.800	
	From left Abutment to P1	1	12.000	11.000	4.500		594.000	
	After P1 bit	1	3.000	11.000	(4.5+1)/2		90.750	
	From P1 bit to P8	1	81.000	11.000	1.000		891.000	
	From left Pillar P8 to P9	1	14.000	11.000	3.200		492.800	

	From P 9 to P11	1	22.000	11.000	$(2.1+1.8)/2$		471.901	
	P11 tp right abut	1	10.000	11.000	3.100		341.000	
	Right abut	1	4.000	6.000	2.500		60.000	
	R/S bund cutting U/S	1	140.000	4.000	$(2.5+1.2)/2$		1036.000	
	L/S bund cutting U/S	1	132.000	4.000	$(2+1.9)/2$		1029.600	
	Bund cuttig for R/S D/S	1	50.000	4.000	$(6+2)/2$		800.000	
	Bund cuttig for L/S D/S	1	50.000	4.000	$(7+5)/2$		1200.000	
						Total Quantity	7167.851 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	7167.851 cum	
						Say 7167.851 cum @ Rs 175.14 / cum	Rs 1255377.42	
7	12.1.4.A Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Hard Rock (blasting prohibited) - Mechanical Means							
	Regulator	1	142.000	11.000	0.200		312.401	
	Abutment wall both sides	2	4.000	6.000	0.200		9.601	
	Wing walls	4	6.000	1.000	0.1500		3.600	
	for protection walls total length	1	675.000	4.000	0.100		270.000	
	LS abutment	1	4.000	6.000	5.600		134.400	
	to p1	1	11.000	11.000	$(5.5+1.0)/2$		393.250	
	p1 to p9	1	96.000	11.000	$(1+.6+.71+1.2+1.56+.3)/6$		945.120	
	p9-p11	1	24.000	11.000	$(.3+1.1+1.25)/3$		233.201	
	p11 to rt abutment	1	11.000	11.000	$(1.25+1.63)/2$		174.240	
	rt abutment	1	4.000	6.000	0.630		15.121	

	Bank cutting for L/S U/S	1	132.000	4.000	0.250		132.000		
	R/S U/S	1	140.000	4.000	0.250		140.000		
	Bund cutting for D/S	2	50.000	4.000	0.600		240.000		
	Total Quantity						3002.934 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						3002.934 cum		
	Say 3002.934 cum @ Rs 587.42 / cum						Rs 1763983.49		
8	12.8.2.C.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications RCC Grade M20 With Batching Plant, Transit Mixer and Concrete Pump								
	Apron U/S levelling	1	142.000	2.000	0.150		42.600		
	Apron U/S	1	142.000	2.000	1.000		284.000		
	Apron D/S levelling	1	142.000	7.000	0.150		149.100		
	Apron D/S	1	142.000	7.000	1.000		994.000		
	Apron below weir	1	142.000	2.000	1.000		284.000		
	weir in between	12	10.000	(2+.62)/2	0.500		78.601		
	pier foundation p1 to p8 & p11	9	8.000	6.000	1.000		-432.000		
	pier foundation P9 & P10	2	8.000	6.000	1.000		-96.000		
	Pillars P9 and P10								
	Square portion	2	2.000	2.000	0.900		-7.200		
	Semi circular portion	2*2	(3.14*1*1)/2		0.900		-5.652		
	groove	2*2	0.600	0.600	0.900		-1.296		
	Total Quantity						1832.301 cum		
	Total Deducted Quantity						-542.148 cum		
	Net Total Quantity						1290.153 cum		
	Say 1290.153 cum @ Rs 7509.93 / cum						Rs 9688958.72		
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								
	Abutment for levelling	2	6.000	4.000	0.150		7.200		

	Footing mat	2	6.000	4.000	1.000		48.000	
	pillars footing P1-p8 &p11	9	6.000	8.000	1.000		432.000	
	levelling	9	6.000	8.000	0.150		64.800	
	SP wall foundation US right side	1	140.000	4.000	0.700		392.000	
	IDo evelling	1	140.000	4.000	0.100		56.000	
	SP wall foundation US left side	1	132.000	4.000	0.700		369.600	
	Do levelling	1	132.000	4.000	0.100		52.801	
	D/S sp wall foundation levelling (Us and DS)	2	50.000	4.000	0.100		40.000	
	D / S sp wall foundation(Us and Ds)	2	50.000	4.000	0.700		280.000	
						Total Quantity	1742.401 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	1742.401 cum	
						Say 1742.401 cum @ Rs 8074.06 / cum	Rs 14068250.22	
10	od43148/2019_2020 DOWEL BARS - Supplying and Providing MS dowel bars of size 25 mm dia of 2.0m long (1m in rock and 1m in concrete) including drilling holes of 30mm dia and filling the gap with cement grout(0.50kg/each) etc complete							
	Abutment both sides	2	6*4				48.000	
	Piers	11	6*8				528.000	
						Total Quantity	576.000 each	
						Total Deducted Quantity	0.000 each	
						Net Total Quantity	576.000 each	
						Say 576.000 each @ Rs 674.18 / each	Rs 388327.68	
11	13.5.F.P.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m							
	CF sp wall u/s RS stem	1	132.000	1.000	6.200		818.400	
	Do counterforts	46	0.500	(2+0)/2	6.200		142.600	
	CF Sp wall U/S LS stem	1	140.000	1.000	6.200		868.000	

	counter fort	48	0.500	(2+0)/2	6.200		148.800	
	SP wall D/S lt and rt stem	2	50.000	1.000	6.200		620.000	
	SP wall D/S lt and rt CF	2*18	0.500	(2+0)/2	6.200		111.601	
	Abutment facewall	2	4.000	1.200	5.000		48.000	
	Abutment counterfort	4	3.600	0.500	5.000		36.000	
	Deduction for grooves 9*2+1+1	9*2+1+1	0.600	0.600	5.000		-36.000	
	Pier P1 to P8 & P11	9	2.000	2.000	5.000		180.000	
	-Do- Round portion	9*2	3.140	(1*1)/2	5.000		141.300	
						Total Quantity	3114.701 cum	
						Total Deducted Quantity	-36.000 cum	
						Net Total Quantity	3078.701 cum	
						Say 3078.701 cum @ Rs 8560.45 / cum	Rs 26355065.98	
12	13.5.F.q.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height 5m to 10m							
	Pier P1 to P8 & P11	9	2.000	2.000	2.120		76.321	
	Do round portion	9*2	3.140	(1*1)/2	2.120		59.912	
	-Do- conical tapering	9*2	3.140/3	(1*1)/2	1.000		9.420	
	Pier P1 to P8 & P11 extended portion	9	2.000	2.000	2.880		103.680	
	Abutment stem	2	4.000	1.200	5.000		48.000	
	Abutment counterfort	4	3.600	0.500	5.000		36.000	
	Deduction for grooves	9*2+1+1	0.600	0.600	5.000		-36.000	
						Total Quantity	333.333 cum	
						Total Deducted Quantity	-36.000 cum	
						Net Total Quantity	297.333 cum	
						Say 297.333 cum @ Rs 8840.60 / cum	Rs 2628602.12	
13	12.40 Supply, Fitting and Placing un-coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	Vide item 8 (u/s & d/s leveling for aprone excluded)	1	1098.453			0.02	21.970	

	Vide item 9	1	1561.600			0.1	156.160		
	Item 15	1	144.000			0.09	12.960		
	Total Quantity						191.090 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						191.090 MT		
	Say 191.090 MT @ Rs 74208.34 / MT						Rs 14180471.69		
14	13.5.F.r.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 above 10m								
	Pier P1 to P8 & P11	9	2.000	2.000	3.870		139.320		
	Abutment stem	2	4.000	1.200	3.870		37.152		
	Abutment counterfort	4	3.600	0.500	0.900		6.480		
	Deduction for groves	9*2+1+1	0.600	0.600	3.870		-27.864		
	Total Quantity						182.952 cum		
	Total Deducted Quantity						-27.864 cum		
	Net Total Quantity						155.088 cum		
	Say 155.088 cum @ Rs 9260.84 / cum						Rs 1436245.15		
15	12.8.G.2.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. RCC Grade M30 - Using Batching Plant, Transit Mixer and Concrete Pump								
	Piers P9 & P10	2	8.000	6.000	1.500		144.000		
	Total Quantity						144.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						144.000 cum		
	Say 144.000 cum @ Rs 8090.89 / cum						Rs 1165088.16		
16	13.5.G.p.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M30 - Height upto 5m - using Batching Plant, Transit Mixer and Concrete Pump								
	Deduction for grooves	2*2	0.600	0.600	5.000		-7.199		
	Pier P9 & P10	2	2.000	2.000	5.000		40.000		
	-Do- round portion	2*2	3.140	(1*1)/2	5.000		31.401		
	Total Quantity						71.401 cum		
	Total Deducted Quantity						-7.199 cum		
	Net Total Quantity						64.202 cum		

	Say 64.202 cum @ Rs 8599.02 / cum						Rs 552074.28	
17	13.5.D.q.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M30 - With Batching Plant, Transit Mixer and Concrete Pump - Height 5m to 10m							
	Deduction for grooves	2*2	0.600	0.600	5.000		-7.199	
	Pier P9 & P10	2	2.000	2.000	3.020		24.160	
	-Do- Circular portion	2*2	3.140	(1*1)/2	3.020		18.966	
	-D- tapering	2*2	3.14/3	(1*1)/2	1.000		2.094	
	Pier P9 & P10 extended portion	2	2.000	2.000	1.980		15.840	
	Total Quantity						61.060 cum	
	Total Deducted Quantity						-7.199 cum	
	Net Total Quantity						53.861 cum	
	Say 53.861 cum @ Rs 8863.59 / cum						Rs 477401.82	
18	13.5.G.r.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M30 - With Batching Plant, Transit Mixer and Concrete Pump - Height above 10m							
	Pier P9 & P10	2	2.000	2.000	4.770		38.160	
	Deduction for grooves	2*2	0.600	0.600	4.770		-6.868	
	Total Quantity						38.160 cum	
	Total Deducted Quantity						-6.868 cum	
	Net Total Quantity						31.292 cum	
	Say 31.292 cum @ Rs 9185.32 / cum						Rs 287427.03	
19	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
	Vide item ,12,14	1	452.418			0.08	36.194	
	Vide item 16to 18	1	64.202+53 .861+31.2 92			0.08	11.949	
	Vide 11	1	3078.701			0.1	307.871	
	Total Quantity						356.014 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						356.014 MT	
	Say 356.014 MT @ Rs 74484.41 / MT						Rs 26517492.74	
20	od43160/2019_2020							

	Supply and fixing 110mm dia (10kgf/cm ²) PVC pipe to drain out water including cost and conveyance, cutting charges and fixing charges as per the direction of departmental officers at site							
	Weep hole DS wall	2*50*3	1.000				300.000	
	Total Quantity						300.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						300.000 metre	
	Say 300.000 metre @ Rs 280.50 / metre						Rs 84150.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 Appendix B Watchman shed cum Generator Room								
1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil							
	Alround	1	23.380	0.600	0.800		11.223	
	Cross wall	1	4.630	0.600	0.800		2.223	
	Cross wall	1	2.630	0.600	0.800		1.263	
	Cross wall	1	1.400	0.600	0.800		0.672	
	Compound wall	1	15.000	0.450	0.450		3.038	
	Sock pit	1	(3.14*1.2* 1.2)/4		1.800		2.035	
	Fdn for Generator	1	1.700	3.000	0.300		1.530	
	Total Quantity						21.984 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						21.984 cum	
	Say 21.984 cum @ Rs 165.07 / cum						Rs 3628.90	
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)							
	Alround	1	23.380	0.600	0.200		2.806	
	crosswall	1	4.630	0.600	0.200		0.556	
	crosswall	1	2.630	0.600	0.200		0.316	
	crosswall	1	1.400	0.600	0.200		0.168	
	Flooring control room	1	5.000	3.000	0.075		1.125	

	Flooring Operator room	1	3.000	3.000	0.075		0.675		
		1	1.770	1.600	0.075		0.213		
	Flooring WC	1	1.770	1.200	0.075		0.160		
	Ramp to control room	1	1.500	(.45*1.5)/2			0.507		
	Step	3	1.400	0.700	0.100		0.294		
	Wall	1	15.000	0.450	0.150		1.013		
	Foundation for Generator	1	1.700	3.000	0.300		1.530		
		Total Quantity						9.363 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						9.363 cum	
		Say 9.363 cum @ Rs 5869.06 / cum						Rs 54952.01	
3	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)								
	Alround	1	23.380	0.600	0.600		8.417		
	Cross wall	1	4.630	0.600	0.600		1.667		
	Cross wall	1	2.630	0.600	0.600		0.947		
	Cross wall	1	1.400	0.600	0.600		0.504		
	Basement alround	1	23.380	0.450	0.450		4.735		
	Cross wall	1	4.780	0.450	0.450		0.968		
	Cross wall	1	2.780	0.450	0.450		0.563		
	Cross wall	1	1.550	0.450	0.450		0.314		
	Wall	1	15.000	0.450	0.300		2.025		
		Total Quantity						20.140 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						20.140 cum	
		Say 20.140 cum @ Rs 5197.64 / cum						Rs 104680.47	
4	6.26.2 Brick work with common burnt clay selected F.P.S (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand)Above plinth level and upto floor V level								
	Alround	1	23.380	0.230	4.000		21.510		

	Cross wall	1	5.000	0.230	4.000		4.601	
	Cross wall	1	3.000	0.230	4.000		2.761	
	Cross wall	1	1.770	0.230	4.000		1.629	
	Step	3	1.200	0.900	0.150		0.486	
	-Do	3	1.200	0.600	0.150		0.324	
	-Do-	3	1.200	0.300	0.150		0.162	
	Slab support	3	1.000	0.200	1.000		0.601	
	Slab support	1	0.600	0.100	1.000		0.060	
	Wall	1	15.000	0.200	1.500		4.500	
	Lintel around	1	33.150	0.230	0.150		-1.143	
	Door D	1	1.200	0.230	2.100		-0.579	
	D1	4	0.900	0.230	2.100		-1.738	
	Window W	7	1.500	0.230	1.500		-3.622	
	Ventilator	5	0.600	0.230	0.600		-0.414	
	opening	1	1.600	0.230	2.100		-0.772	
						Total Quantity	36.634 cum	
						Total Deducted Quantity	-8.268 cum	
						Net Total Quantity	28.366 cum	
						Say 28.366 cum @ Rs 7506.66 / cum	Rs 212933.92	
5	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
	Sunshade around	1	26.700		0.675		18.023	
	Wall slab	4	1.770		0.675		4.780	
	do	1	3.000		0.675		2.026	
	do	1	5.000		1.100		5.500	
	Slab over WC	1	1.770		1.200		2.124	
	do	1	1.770		1.600		2.833	
	sides	1	11.380		0.100		1.139	
	Roof slab btm	1	5.000		3.000		15.000	
	do	1	5.000		3.000		15.000	
	Roof slab outside	2	5.860		0.300		3.516	
	do	2	6.690		0.300		4.015	

	ring for sock pit	2	3.140		0.100	1.2	0.754		
	covering slab for sock pit	1	3.140		0.100	1.2	0.377		
	Opening	1	1.600		0.230		0.369		
	Total Quantity						75.456 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						75.456 sqm		
	Say 75.456 sqm @ Rs 553.47 / sqm						Rs 41762.63		
6	5.9.5 Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers								
	Lintel	2	33.150		0.150		9.945		
	Total Quantity						9.945 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						9.945 sqm		
	Say 9.945 sqm @ Rs 449.40 / sqm						Rs 4469.28		
7	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more								
	vide item 8	1	13.198			90.0	1187.820		
	Total Quantity						1187.820 kilogram		
	Total Deducted Quantity						0.000 kilogram		
	Net Total Quantity						1187.820 kilogram		
	Say 1187.820 kilogram @ Rs 74.18 / kilogram						Rs 88112.49		
8	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 ⁰ landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).								
	lintel alround	1	33.150	0.230	0.150		1.144		
	sunshde alround	1	26.700	0.600	0.0750		1.202		
	wall slab	4	1.770	0.600	0.0750		0.319		
		1	3.000	0.600	0.0750		0.135		
	slab for control unit	1	5.000	1.000	0.100		0.500		
	fdn for generator	1	1.500	2.800	1.200		5.040		

	slab over WC	1	3.460	0.230	0.100		0.080		
	roof slab	1	5.860	7.090	0.100		4.155		
	ring for sock pit	1	3.14*1.2	0.075	1.800		0.509		
	covering slab for sock pit	1	3.14/4	1.200	0.100	1.2	0.114		
	Total Quantity						13.198 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						13.198 cum		
	Say 13.198 cum @ Rs 9686.38 / cum						Rs 127840.84		
9	10.13.1 Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee- sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)								
	Door D	1	(1.2+2*2.1)			3.5	18.901		
	Door D1	4	(.9+2*2.1)			3.5	71.400		
	Window	6	9.000			3.5	189.000		
	Ventillator	5	2.400			3.5	42.000		
	Grill	1	2*6			3.5	42.000		
	Total Quantity						363.301 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						363.301 kg		
	Say 363.301 kg @ Rs 97.05 / kg						Rs 35258.36		
10	9.48.1 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding								
	Door D 18kg/m2	1		1.200	2.100	18.0	45.360		
	D1	4		0.900	2.100	18.0	136.080		
	Window 12kg/m2	6		1.500	1.500	12.0	162.000		
	Ventillator	5		0.600	0.600	12.0	21.600		
	Grill	1		3.000	1.500	12.0	54.000		
	Total Quantity						419.040 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						419.040 kg		

	Say 419.040 kg @ Rs 137.15 / kg						Rs 57471.34	
11	<p>9.123 Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogeneous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of Engineer-in-charge.</p>							
	WC Door frame	1	2.1*2+0.7				4.900	
	Total Quantity						4.900 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						4.900 metre	
	Say 4.900 metre @ Rs 498.95 / metre						Rs 2444.86	
12	<p>9.124.1 Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1 mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (Push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rails of size 100mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100 mm x 8 mm complete as per manufacturer's specifications and direction of Engineer -in-charge. Non decorative finish</p>							
	WC Door	1	0.700		2.100		1.470	
	Total Quantity						1.470 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1.470 sqm	
	Say 1.470 sqm @ Rs 3323.42 / sqm						Rs 4885.43	
13	<p>13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)</p>							
	Door D	1	1.200		2.100		-2.520	
	D1	4	0.900		2.100		-7.560	
	window W	6	1.500		1.500		-13.500	
	V	5	0.600		0.600		-1.799	
	Opening	1	1.600		2.100		-3.360	
	top of slab	1	5.860	7.000			41.020	
	top of mid slab	1	3.000	2.000			6.000	

	wall inside gen room	1	16.000	4.000			64.000	
	watchman room	1	9.000	4.000			36.000	
	overWC	1	3.000	2.500			7.500	
	do	1	7.000	1.500			10.500	
	do	1	5.940	2.400			14.256	
	WA	1	6.740	2.400			16.176	
	wall outside	1	24.300	4.000			97.200	
	step top	3*3	1.200	0.300			3.240	
	step rise	3*3	1.200	0.150			1.620	
	do	3*2	0.300	0.150			0.270	
	do	3*2	0.600	0.150			0.540	
	do	3*2	0.900	0.150			0.810	
	compound wall	2	15.000	1.600			48.000	
						Total Quantity	347.132 sqm	
						Total Deducted Quantity	-28.739 sqm	
						Net Total Quantity	318.393 sqm	
						Say 318.393 sqm @ Rs 226.67 / sqm	Rs 72170.14	
14	13.16.1 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)							
	sun shade	1	25.700	0.680			17.476	
	wall slab	4	1.770	1.280			9.063	
	do	1	3.000	1.280			3.840	
	do	1	5.000	2.150			10.750	
	Roof ceiling Control Room	1	5.000	3.000			15.000	
	Roof ceiling operator room	1	5.000	3.000			15.000	
	Roof ceiling work area	1	1.770	1.600			2.833	
	Roof ceiling WC	1	1.770	1.200			2.124	
	Roof ceiling outside	2	5.860	0.300			3.516	
	Roof ceiling outside	2	6.690	0.300			4.015	
						Total Quantity	83.617 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	83.617 sqm	

	Say 83.617 sqm @ Rs 188.46 / sqm						Rs 15758.46	
15	11.3.1 Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate							
	Generator room	1	5.000	3.000			15.000	
	watchman room	1	3.000	3.000			9.000	
	do	1	1.770	1.600			2.833	
	WC	1	1.770	1.200			2.124	
	Total Quantity						28.957 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						28.957 sqm	
	Say 28.957 sqm @ Rs 475.22 / sqm						Rs 13760.95	
16	13.40 Distemping with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade:							
	D	1	1.200		2.100		-2.520	
	D!	4	0.900		2.100		-7.560	
	W	6	1.500		1.500		-13.500	
	V	5	0.600		0.600		-1.799	
	opening	1	1.600		2.100		-3.360	
	top of slab	1	5.860	7.090			41.548	
	top of mid slab	1	3.000	2.000			6.000	
	wall inside gen room	1	16.000	4.000			64.000	
	watchman room	1	9.000	4.000			36.000	
	over Wc	1	3.000	2.500			7.500	
	do	1	7.000	1.500			10.500	
	do	1	5.940	2.400			14.256	
	WA	1	6.740	2.400			16.176	
	Wall outside	1	24.300	4.000			97.200	
	Step top	3*3	1.200	0.300			3.240	
	Step rise	3*3	1.200	0.150			1.620	
	do	3*2	0.300	0.150			0.270	
	do	3*2	0.600	0.150			0.540	

	do	3*2	0.900	0.150			0.810	
	Compound wall	2	15.000	1.600			48.000	
	Sunshade	1	26.700	0.680			18.157	
	wall slab1	4	1.770	1.280			9.063	
	do	1	3.000	1.280			3.840	
	do	1	5.000	2.150			10.750	
	Roof ceiling control room	1	5.000	3.000			15.000	
	Roof ceiling operator room	1	5.000	3.000			15.000	
	Roof ceiling work area	1	1.770	1.600			2.833	
	Roof ceiling WC	1	1.770	1.200			2.124	
	Roof ceiling outside	2	5.860	0.300			3.516	
	Roof ceiling outside	2	6.690	0.300			4.015	
						Total Quantity	431.958 sqm	
						Total Deducted Quantity	-28.739 sqm	
						Net Total Quantity	403.219 sqm	
						Say 403.219 sqm @ Rs 94.23 / sqm	Rs 37995.33	
17	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							
	D	1	1.200		2.100		2.520	
	D1	1	0.900		2.100		1.891	
	W	6	1.500		1.500		13.500	
	Ventilator	5	0.600		0.600		1.800	
	Gate	1	3.000		1.500		4.500	
						Total Quantity	24.211 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	24.211 sqm	
						Say 24.211 sqm @ Rs 102.75 / sqm	Rs 2487.68	
18	11.36 Providing and fixing I st 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.							

	Toilet wall	2	2.000	1.800			7.200		
	do	2	1.000	1.800			3.600		
	do	1	2.000	0.680			1.360		
	Door	1	1.000		1.800		-1.800		
	Total Quantity						12.160 sqm		
	Total Deducted Quantity						-1.800 sqm		
	Net Total Quantity						10.360 sqm		
	Say 10.360 sqm @ Rs 976.13 / sqm						Rs 10112.71		
19	11.38 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.								
	Toilet floor	1	1.800	1.800			3.240		
	Total Quantity						3.240 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						3.240 sqm		
	Say 3.240 sqm @ Rs 980.20 / sqm						Rs 3175.85		
20	17.7.1 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 630x450 mm with a pair of 15 mm C.P. brass pillar taps								
	wash basin	1	1.000				1.000		
	Total Quantity						1.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						1.000 each		
	Say 1.000 each @ Rs 3012.48 / each						Rs 3012.48		
21	17.1.1 Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap, 10 litter low level white P.V.C.flushing cistern, including flush pipe, manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever require:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests								
	WC	1	1.000				1.000		
	Total Quantity						1.000 each		

								per cm height
	Say 5000.000 per Letter per cm height @ Rs 3.60 / per Letter per cm height							Rs 18000.00
26	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 Kgf/cm2- Internal work - Exposed on wall							
	pipe for water supply	1	20.000					20.000
	Total Quantity							20.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							20.000 metre
	Say 20.000 metre @ Rs 169.07 / metre							Rs 3381.40
27	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.							
	Tank	1	750.000					750.000
	Total Quantity							750.000 Litre
	Total Deducted Quantity							0.000 Litre
	Net Total Quantity							750.000 Litre
	Say 750.000 Litre @ Rs 9.50 / Litre							Rs 7125.00
28	18.15.2 Providing and fixing brass bib cock of approved quality :20 mm nominal bore							
		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 367.49 / each							Rs 734.98
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 Appendix C Mechanical Works C1- Fabrication ,Supply & Erection of MS & SS embedded parts(12 Nos of shutter)								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	SIDE SEAL TRACK (SECONDERY EMBD)							
	Anchoring Plate10mm	32*12	0.470	0.100	10.000	7.85	1416.768	
	Side bottom Corner plate 1- 10mm	2*12	0.120	0.090	10.000	7.85	20.348	

	Side bottom Corner plate 2- 10mm	2*12	0.100	0.070	10.000	7.85	13.188		
	GUIDE TRACK (SECONDERY EMBD)								
	Guide Track-20mm	2*12	14.100	0.120	20.000	7.85	6375.456		
	Anchoring plate-10mm	56*12	0.150	0.100	10.000	7.85	791.280		
	ROLLER TRACK (SECONDERY EMBD)								
	Flange for Roller track - 20mm Plate	4*12	8.000	0.200	20.000	7.85	12057.600		
	Web for Roller track 20mm Plate	2*12	8.000	0.200	20.000	7.85	6028.800		
	Stiffener-1 for roller Track- 10mm	16*12	0.200	0.090	10.000	7.85	271.296		
	Stiffener-2 for roller Track- 10mm	16*12	0.200	0.090	10.000	7.85	271.296		
	SILL BEAM (SECONDERY EMBD)- (12 nos Gates)								
	Sill track Stiffener 1 Plate -10mm Plate	20*12	0.225	0.055	10.000	7.85	233.145		
	Sill track Stiffener 2 Plate -10mm Plate	2*12	0.240	0.160	10.000	7.85	72.346		
	sill track baseAlignment plate-10mm plate	22*12	0.250	0.100	10.000	7.85	518.100		
	Sill- Corner plate110mm Plate	2*12	0.200	0.120	10.000	7.85	45.216		
	Bottom Plate Corner8mm Plat	2*12	0.150	0.100	8.000	7.85	22.608		
	Vertical Gates- (12 nos Gates) PRIMARY EMBD PARTS								
	A n c h o r i n g platePrimary-wheel track&guide track	88*12	0.150	0.100	10.000	7.85	1243.440		
	A n c h o r i n g platePrimary-wheel track & Seal Track (side)	80*12	0.100	0.100	10.000	7.85	753.600		
	A n c h o r i n g platePrimary-sill beam	22*12	0.250	0.100	10.000	7.85	518.100		
	Total Quantity						30652.587 kg		
	Total Deducted Quantity						0.000 kg		

	Net Total Quantity						30652.587 kg	
	Say 30652.587 kg @ Rs 64.18 / kg						Rs 1967283.03	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	Primary Support							
	Primary Support ISA 30x30x5 -1	2*12	14.100			2.2	744.480	
	Primary Support ISA 30x30x5 -2	4*12	8.000			2.2	844.801	
	Primary Support ISA 30x30x5 -3	4*12	8.000			2.2	844.801	
	Secondary Embedded parts (SIDE GUIDE)							
	Guide Alignment ISA 75x75x8	8*12	0.100			8.9	85.441	
	Secondary Embedded parts (ROLLER TRACK)							
	Roller Alignment ISA 75x75x8	32*12	0.080			8.9	273.408	
	Secondary Embedded parts (SILL BEAM)							
	Sill beam ISMB 250x125	1*12	10.900			37.3	4878.840	
	Sill beam Alignment angle ISA 75x75x8	2*12	0.200			8.9	42.721	
	Secondary Embedded parts (SIDE SEAL SEAT)							
	Seal Track Base ISA 130x130x10	2*12	8.000			19.7	3782.400	
	Total Quantity						11496.892 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						11496.892 kg	
	Say 11496.892 kg @ Rs 66.13 / kg						Rs 760289.47	
3	85.107 Supply of MS round bar including cost of conveyance charges							
	MS Rods Primary & Secondary							
	16mm rod 180 LG (Sill beam)	44*12	0.180			1.58	150.164	
	16mm rod 165 LG (Roller Track)	64*12	0.165			1.58	200.218	

	16mm rod 130 LG (Roller Track)	32*12	0.130			1.58	78.874		
	16mm rod 115 LG (Side Guide)	112*12	0.115			1.58	244.205		
	16mm rod 125 LG (Side Seal)	32*12	0.125			1.58	75.840		
	16mm rod 315 LG (Side Seal)	32*12	0.315			1.58	191.117		
	Anchor J- rod 16mm Primary	300*12	0.295			1.58	1677.960		
	Total Quantity						2618.378 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						2618.378 kg		
	Say 2618.378 kg @ Rs 64.18 / kg						Rs 168047.50		
4	od83130/2020_2021 :Supply of MS Bolts and Nuts								
	Bolt,Nut & Washer -M16								
	Nut & Washer -M16	644*12				0.04	309.120		
	M16x60 bolt	4*12				0.12	5.904		
	M16x45 bolt	8*12				0.07	6.721		
	Total Quantity						321.745 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						321.745 kg		
	Say 321.745 kg @ Rs 77.77 / kg						Rs 25022.11		
5	85.108 Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of deptl officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied								
	Primary Support								
	Primary Support ISA 30x30x5 -1	2*12	14.100			2.2	744.480		
	Primary Support ISA 30x30x5 -2	4*12	8.000			2.2	844.801		
	Primary Support ISA 30x30x5 -3	4*12	8.000			2.2	844.801		
	MS Rods Primary & Secondary								

16mm rod 180 LG (Sill beam)	44*12	0.180			1.58	150.164	
16mm rod 165 LG (Roller Track)	64*12	0.165			1.58	200.218	
16mm rod 130 LG (Roller Track)	32*12	0.130			1.58	78.874	
16mm rod 115 LG (Side Guide)	112*12	0.115			1.58	244.205	
16mm rod 125 LG (Side Seal)	32*12	0.125			1.58	75.840	
16mm rod 315 LG (Side Seal)	32*12	0.315			1.58	191.117	
Anchor J- rod 16mm Primary	300*12	0.295			1.58	1677.960	
Secondary Embedded parts (SIDE SEAL SEAT)							
Seal Track Base ISA 130x130x10	2*12	8.000			19.7	3782.400	
Secondary Embedded parts (SILL BEAM)							
Sill beam ISMB 250x125	1*12	10.900			37.3	4878.840	
Sill beam Alignment angle ISA 75x75x8	2*12	0.200			8.9	42.721	
Secondary Embedded parts (ROLLER TRACK)							
Roller Alignment ISA 75x75x8	32*12	0.080			8.9	273.408	
Secondary Embedded parts (SIDE GUIDE)							
Guide Alignment ISA 75x75x8	8*12	0.100			8.9	85.441	
SILL BEAM (SECONDERY EMBD)- 10.0 M x5.0 M (12 nos) Secondary Embedded Parts							
Sil track Stiffener 1 Plate -10mm Plate	20*12	0.225	0.055	10.000	7.85	233.145	
Sil track Stiffener 2 Plate -10mm Plate	2*12	0.240	0.160	10.000	7.85	72.346	
s i l l t r a c k baseAlignment plate-10mm plate	22*12	0.250	0.100	10.000	7.85	518.100	
Sill- Corner plate110mm Plate	2*12	0.200	0.120	10.000	7.85	45.216	

	Bottom Plate Corner 8mm Plate	2*12	0.150	0.100	8.000	7.85	22.608	
Vertical Gates- 10x5.0 (12 nos) PRIMARY EMBD PARTS								
	Anchoring plate Primary-wheel track & guide track	88*12	0.150	0.100	10.000	7.85	1243.440	
	Anchoring plate Primary-wheel track & Seal Track (side)	80*12	0.100	0.100	10.000	7.85	753.600	
	Anchoring plate Primary-sill beam	22*12	0.250	0.100	10.000	7.85	518.100	
ROLLER TRACK (SECONDERY EMBD)								
	Flange for Roller track - 20mm Plate	4*12	8.000	0.200	20.000	7.85	12057.600	
	Web for Roller track 20mm Plate	2*12	8.000	0.200	20.000	7.85	6028.800	
	Stiffener-1 for roller Track- 10mm	16*12	0.200	0.090	10.000	7.85	271.296	
	Stiffener-2 for roller Track- 10mm	16*12	0.200	0.090	10.000	7.85	271.296	
GUIDE TRACK (SECONDERY EMBD)								
	Guide Track-20mm	2*12	14.100	0.120	20.000	7.85	6375.456	
	Anchoring plate-10mm	56*12	0.150	0.100	10.000	7.85	791.280	
SIDE SEAL TRACK (SECONDERY EMBD)								
	Anchoring Plate 10mm	32*12	0.470	0.100	10.000	7.85	1416.768	
	Side bottom Corner plate 1- 10mm	2*12	0.120	0.090	10.000	7.85	20.348	
	Side bottom Corner plate 2- 10mm	2*12	0.100	0.070	10.000	7.85	13.188	
Total Quantity							44767.857 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							44767.857 kg	
Say 44767.857 kg @ Rs 75.59 / kg							Rs 3384002.31	
6	od83502/2020_2021 :Fabrication, Supply, erection and assembling in correct position and alignment by welding SS Embedded parts in 304L Grade like roller track, seal track, Seal seat etc as per approved specifications, drawings and directions of deptl officer at site including cost of							

all materials,labour,machinery for planing, welding,shearing, grinding etc,lead and lift, conveyance, incidental and handling etc complete								
SS Embedded Parts								
	Track -for Wheel 12mm SS-304 plate	2*12	7.900	0.120	12.000	7.9	2156.890	
	Seal track vertical 80x8mm SS-304 flat	2*12	7.000	0.080	8.000	7.9	849.409	
	Sill beam pad 140x10mm SS-304 flat	1*12	10.800	0.140	10.000	7.9	1433.377	
Total Quantity							4439.676 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							4439.676 kg	
Say 4439.676 kg @ Rs 502.09 / kg							Rs 2229116.92	
SI No	Description	No	L	B	D	CF	Quantity	Remark
4 Appendix C 2- Supply of materials, fabrication,painting and erection of 12 Nos of MS shutter								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
HORIZONTAL GIRDER								
	Plate for inner flange bottom	2*12	10.336	0.100	12.000	7.85	2336.763	
	Plate for inner flange top	2*12	10.336	0.100	10.000	7.85	1947.303	
	Plate for web	4*12	10.336	1.000	10.000	7.85	38946.048	
	Plate for outer flange bottom	2*12	10.660	0.180	12.000	7.85	4338.024	
	additional plate for outer Flange-bottom	2*12	7.500	0.150	12.000	7.85	2543.400	
	plate for outer flange top	2*12	10.660	0.150	10.000	7.85	3012.516	
	additional plate for outer Flange-top	2*12	7.500	0.130	10.000	7.85	1836.900	
	plate forweb stiffner1	2*12	0.862	0.140	10.000	7.85	227.362	
	plate forweb stiffner2	4*12	0.862	0.080	10.000	7.85	259.842	
	plate forweb stiffner3	8*12	0.860	0.065	10.000	7.85	421.263	
SPLICE PLATE								
	Splice plate -1	2*12	10.200	0.160	10.000	7.85	3074.688	

	Alingment plate for upper skin plate	1*12	10.200	0.080	2.000	7.85	153.735	
	Splice plate for connecting end box	4*12	0.480	0.160	10.000	7.85	289.383	
	Splice plate for connecting girders	3*12	0.450	0.160	10.000	7.85	203.472	
	SIDE GUIDE							
	Side guide fixing plate	4*12	0.200	0.200	12.000	7.85	180.865	
	guide wheel plate-1	8*12	0.210	0.075	10.000	7.85	118.692	
	guide wheel plate-2	4*12	0.116	0.510	30.000	7.85	668.745	
	Supporting Plate	4*12	0.150	0.040	40.000	7.85	90.432	
	VERTICAL STIFFENER							
	Full depth Stiffener-1centre(Top half)	1*12	1.010	0.920	10.000	7.85	875.307	
	Full depth Stiffener-2centre(top half)	1*12	1.740	1.010	10.000	7.85	1655.471	
	Full depth Stiffener-3side(top half)	2*12	1.730	1.010	10.000	7.85	3291.914	
	Full depth Stiffener-4bottom(top half)	3*12	1.010	0.360	10.000	7.85	1027.534	
	Full depth Stiffener-5top(bottomhalf)	3*12	1.012	0.510	10.000	7.85	1458.556	
	Full depth Stiffener-6middle(bottomhalf)	3*12	1.012	0.950	10.000	7.85	2716.917	
	Full depth Stiffener-7bottom(bottomhalf)	3*12	1.012	0.430	10.000	7.85	1229.763	
	Stiffner-1-top (top half)	22*12	0.918	0.150	10.000	7.85	2853.695	
	Stiffner-2(top half)	22*12	1.740	0.150	10.000	7.85	5408.964	
	Stiffner-3(top half)	22*12	0.360	0.150	10.000	7.85	1119.096	
	Stiffner-4(bottom half)	22*12	0.510	0.150	10.000	7.85	1585.386	
	Stiffner-5(bottom half)	22*12	0.950	0.150	10.000	7.85	2953.170	
	Stiffner-5(bottom half)	22*12	0.430	0.150	10.000	7.85	1336.698	
	flange for full depth stiffner -1(plate)	1*12	0.780	0.160	10.000	7.85	117.562	
	flange for full depth stiffner -2 (plate)	3*12	1.600	0.160	10.000	7.85	723.456	

	flange for full depth stiffner -3 (plate)	3*12	0.290	0.160	10.000	7.85	131.127	
	flange for full depth stiffner -4 (plate)	3*12	0.425	0.160	10.000	7.85	192.168	
	flange for full depth stiffner -5 (plate)	3*12	0.720	0.160	10.000	7.85	325.556	
SKIN PLATE & END BOX								
	Skin plate Bottom-1	1*12	10.690	2.000	12.000	7.85	24167.952	
	Skin plate Top-2	1*12	10.690	3.150	10.000	7.85	31720.437	
	End box Bottom -1	4*12	2.000	0.510	12.000	7.85	4612.032	
	End box Top -2	4*12	3.150	0.510	12.000	7.85	7263.951	
	End box stiffener	28*12	0.510	0.140	10.000	7.85	1883.247	
	Box stiffener	8*12	0.200	0.140	10.000	7.85	211.008	
	Pad plate(outer) for roller	8*12	0.180	0.170	10.000	7.85	230.602	
	Eccentric plate	8*12	0.150	0.150	20.000	7.85	339.120	
	Cover Plate	8*12	0.170	0.080	10.000	7.85	102.490	
	Pad plate(inner)	8*12	0.180	0.170	10.000	7.85	230.602	
Other Engineering Organisations SEAL ASSEMBLY								
	Plate for side Seal fixing-1	2*12	5.065	0.105	20.000	7.85	2003.917	
	Plate for side Seal fixing-2	2*12	0.105	0.090	6.000	7.85	10.683	
	Bottom Seal Clamp	1*12	9.762	0.080	10.000	7.85	735.665	
	Seal guard	1*12	9.762	0.020	20.000	7.85	367.833	
	Total Quantity						163531.312 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						163531.312 kg	
	Say 163531.312 kg @ Rs 64.18 / kg						Rs 10495439.60	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
MS SECTIONS								
	Horizontal Girder Top -ISMC 150x75	1*12	10.336			16.4	2034.125	

	Cross Girder support-ISA 75x75x8	2*12	1.220			8.9	260.593		
	Angle support -1 for girders-ISA 75x75x8	2*12	1.740			8.9	371.664		
	Angle support -2 for girders-ISA 75x75x8	2*12	0.950			8.9	202.920		
	Side seal support- ISA 75x75x8	2*12	5.150			8.9	1100.041		
	Total Quantity						3969.343 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						3969.343 kg		
	Say 3969.343 kg @ Rs 66.13 / kg						Rs 262492.65		
3	od83130/2020_2021 :Supply of MS Bolts and Nuts								
	NUT,BOLT & WASHERS								
	Nut and Bolts M16 x 40 LG (Skin Plate & End Box)	56*12				0.12	80.640		
	Nut and Bolts M16x30 LG (Skin Plate & End Box)	32*12				0.1	38.401		
	Nut and Bolts M16x80 LG -For Seal Assebmly	140*12				0.18	302.400		
	Nut and Bolts M16x60 LG -For Seal assembly	122*12				0.15	219.600		
	Nut and Bolts M16x40 LG -For side guide	16*12				0.12	23.040		
	Total Quantity						664.081 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						664.081 kg		
	Say 664.081 kg @ Rs 77.77 / kg						Rs 51645.58		
4	85.110 Fabrication and supply of Structural steel wheel gate and accessories as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied								
	MS SECTIONS								

Horizontal Girder Top -ISMC 150x75	1*12	10.336				16.4	2034.125	
Cross Girder support ISA 75x75x8	2*12	1.220				8.9	260.593	
Angle support -1 for girders-ISA 75x75x8	2*12	1.740				8.9	371.664	
Angle support -2 for girders-ISA 75x75x8	2*12	0.950				8.9	202.920	
Side seal support- ISA 75x75x8	2*12	5.150				8.9	1100.041	
SKIN PLATE & END BOX								
Skin plate Bottom-1	1*12	10.690	2.000	12.000		7.85	24167.952	
Skin plate Top-2	1*12	10.690	3.150	10.000		7.85	31720.437	
End box Bottom -1	4*12	2.000	0.510	12.000		7.85	4612.032	
End box Top -2	4*12	3.150	0.510	12.000		7.85	7263.951	
End box stiffener	28*12	0.510	0.140	10.000		7.85	1883.247	
Box stiffener	8*12	0.200	0.140	10.000		7.85	211.008	
Pad plate(outer) for roller	8*12	0.180	0.170	10.000		7.85	230.602	
Eccentric plate	8*12	0.150	0.150	20.000		7.85	339.120	
Cover Plate	8*12	0.170	0.080	10.000		7.85	102.490	
Pad plate(inner)	8*12	0.180	0.170	10.000		7.85	230.602	
VERTICAL STIFFENER								
Full depth Stiffener-1 centre(Top half)	1*12	1.010	0.920	10.000		7.85	875.307	
Full depth Stiffener-2 centre(top half)	1*12	1.740	1.010	10.000		7.85	1655.471	
Full depth Stiffener-3 side(top half)	2*12	1.730	1.010	10.000		7.85	3291.914	
Full depth Stiffener-4 bottom(top half)	3*12	1.010	0.360	10.000		7.85	1027.534	
Full depth Stiffener-5 top(bottomhalf)	3*12	1.012	0.510	10.000		7.85	1458.556	
Full depth Stiffener-6 middle(bottomhalf)	3*12	1.012	0.950	10.000		7.85	2716.917	
Full depth Stiffener-7 bottom(bottomhalf)	3*12	1.012	0.430	10.000		7.85	1229.763	

	Stiffner-1-top (top half)	22*12	0.918	0.150	10.000	7.85	2853.695	
	Stiffner-2(top half)	22*12	1.740	0.150	10.000	7.85	5408.964	
	Stiffner-3(top half)	22*12	0.360	0.150	10.000	7.85	1119.096	
	Stiffner-4(bottom half)	22*12	0.510	0.150	10.000	7.85	1585.386	
	Stiffner-5(bottom half)	22*12	0.950	0.150	10.000	7.85	2953.170	
	Stiffner-5(bottom half)	22*12	0.430	0.150	10.000	7.85	1336.698	
	flange for full depth stiffner -1(plate)	1*12	0.780	0.160	10.000	7.85	117.562	
	flange for full depth stiffner -2 (plate)	3*12	1.600	0.160	10.000	7.85	723.456	
	flange for full depth stiffner -3 (plate)	3*12	0.290	0.160	10.000	7.85	131.127	
	flange for full depth stiffner -4 (plate)	3*12	0.425	0.160	10.000	7.85	192.168	
	flange for full depth stiffner -5 (plate)	3*12	0.720	0.160	10.000	7.85	325.556	
	Side guide fixing plate	4*12	0.200	0.200	12.000	7.85	180.865	
	guide wheel plate-1	8*12	0.210	0.075	10.000	7.85	118.692	
	guide wheel plate-2	4*12	0.116	0.510	30.000	7.85	668.745	
	Supporting Plate	4*12	0.150	0.040	40.000	7.85	90.432	
	SPLICE PLATE							
	Splice plate -1	2*12	10.200	0.160	10.000	7.85	3074.688	
	Alingment plate for upper skin plate	1*12	10.200	0.080	2.000	7.85	153.735	
	Splice plate for connecting end box	4*12	0.480	0.160	10.000	7.85	289.383	
	Splice plate for connecting girders	3*12	0.450	0.160	10.000	7.85	203.472	
	SEAL ASSEMBLY							
	Plate for side Seal fixing-1	2*12	5.065	0.105	20.000	7.85	2003.917	
	Plate for side Seal fixing-2	2*12	0.105	0.090	6.000	7.85	10.683	
	Bottom Seal Clamp	1*12	9.762	0.080	10.000	7.85	735.665	
	Seal guard	1*12	9.762	0.020	20.000	7.85	367.833	
	HORIZONTAL GIRDER							

	Plate for inner flange bottom	2*12	10.336	0.100	12.000	7.85	2336.763		
	Plate for inner flange top	2*12	10.336	0.100	10.000	7.85	1947.303		
	Plate for web	4*12	10.336	1.000	10.000	7.85	38946.048		
	Plate for outer flange bottom	2*12	10.660	0.180	12.000	7.85	4338.024		
	additional plate for outer Flange-bottom	2*12	7.500	0.150	12.000	7.85	2543.400		
	plate for outer flange top	2*12	10.660	0.150	10.000	7.85	3012.516		
	additional plate for outer Flange-top	2*12	7.500	0.130	10.000	7.85	1836.900		
	plate forweb stiffner1	2*12	0.862	0.140	10.000	7.85	227.362		
	plate forweb stiffner2	4*12	0.862	0.080	10.000	7.85	259.842		
	plate forweb stiffner3	8*12	0.860	0.065	10.000	7.85	421.263		
	Total Quantity						167500.655 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						167500.655 kg		
	Say 167500.655 kg @ Rs 62.86 / kg						Rs 10529091.17		
5	<p>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</p>								
	MS SECTIONS								
	Horizontal Girder Top -ISM 150x75	1*12	10.336			0.6	74.420		
	Cross Girder supportISA 75x75x8	2*12	1.220			0.3	8.784		
	Angle support -1 for girders-ISA 75x75x8	2*12	1.740			0.3	12.528		
	Angle support -2 for girders-ISA 75x75x8	2*12	0.950			0.3	6.840		

Side seal support- ISA 75x75x8	2*12	5.150			0.3	37.080	
SKIN PLATE & END BOX							
Skin plate Bottom-1	1*12	10.690	2.000		2.0	513.120	
Skin plate Top-2	1*12	10.690	3.150		2.0	808.164	
End box Bottom -1	4*12	2.000	0.510		2.0	97.920	
End box Top -2	4*12	3.150	0.510		2.0	154.224	
End box stiffener	28*12	0.510	0.140		2.0	47.981	
Box stiffener	8*12	0.200	0.140		2.0	5.377	
Pad plate(outer) for roller	8*12	0.180	0.170		2.0	5.876	
Eccentric plate	8*12	0.150	0.150		2.0	4.320	
Cover Plate	8*12	0.170	0.080		2.0	2.612	
Pad plate(inner)	8*12	0.180	0.170		2.0	5.876	
VERTICAL STIFFENER							
Full depth Stiffener-1 centre(Top half)	1*12	1.010	0.920		2.0	22.301	
Full depth Stiffener-2 centre(top half)	1*12	1.740	1.010		2.0	42.178	
Full depth Stiffener-3 side(top half)	2*12	1.730	1.010		2.0	83.871	
Full depth Stiffener-4 bottom(top half)	3*12	1.010	0.360		2.0	26.180	
Full depth Stiffener-5 top(bottomhalf)	3*12	1.012	0.510		2.0	37.161	
Full depth Stiffener-6 middle(bottomhalf)	3*12	1.012	0.950		2.0	69.221	
Full depth Stiffener-7 bottom(bottomhalf)	3*12	1.012	0.430		2.0	31.332	
Stiffner-1-top (top half)	22*12	0.918	0.150		2.0	72.706	
Stiffner-2(top half)	22*12	1.740	0.150		2.0	137.808	
Stiffner-3(top half)	22*12	0.360	0.150		2.0	28.512	
Stiffner-4(bottom half)	22*12	0.510	0.150		2.0	40.392	
Stiffner-5(bottom half)	22*12	0.950	0.150		2.0	75.240	
Stiffner-5(bottom half)	22*12	0.430	0.150		2.0	34.056	

	flange for full depth stiffner -1(plate)	1*12	0.780	0.160		2.0	2.996	
	flange for full depth stiffner -2 (plate)	3*12	1.600	0.160		2.0	18.433	
	flange for full depth stiffner -3 (plate)	3*12	0.290	0.160		2.0	3.341	
	flange for full depth stiffner -4 (plate)	3*12	0.425	0.160		2.0	4.897	
	flange for full depth stiffner -5 (plate)	3*12	0.720	0.160		2.0	8.295	
	SIDE GUIDE							
	Side guide fixing plate	4*12	0.200	0.200		2.0	3.841	
	guide wheel plate-1	8*12	0.210	0.075		2.0	3.024	
	guide wheel plate-2	4*12	0.116	0.510		2.0	5.680	
	Supporting Plate	4*12	0.150	0.040		2.0	0.577	
	SPLICE PLATE							
	Splice plate -1	2*12	10.200	0.160		2.0	78.336	
	Alignment plate for upper skin plate	1*12	10.200	0.080		2.0	19.584	
	Splice plate for connecting end box	4*12	0.480	0.160		2.0	7.373	
	Splice plate for connecting girders	3*12	0.450	0.160		2.0	5.185	
	HORIZONTAL GIRDER							
	Plate for inner flange bottom	2*12	10.336	0.100		2.0	49.613	
	Plate for inner flange top	2*12	10.336	0.100		2.0	49.613	
	Plate for web	4*12	10.336	1.000		2.0	992.257	
	Plate for outer flange bottom	2*12	10.660	0.180		2.0	92.103	
	additional plate for outer Flange-bottom	2*12	7.500	0.150		2.0	54.000	
	plate for outer flange top	2*12	10.660	0.150		2.0	76.752	
	additional plate for outer Flange-top	2*12	7.500	0.130		2.0	46.801	

	plate forweb stiffner1	2*12	0.862	0.140		2.0	5.793	
	plate forweb stiffner2	4*12	0.862	0.080		2.0	6.621	
	plate forweb stiffner3	8*12	0.860	0.065		2.0	10.733	
SEAL ASSEMBLY								
	Plate for side Seal fixing-1	2*12	5.065	0.105		2.0	25.528	
	Plate for side Seal fixing-2	2*12	0.105	0.090		2.0	0.454	
	Bottom Seal Clamp	1*12	9.762	0.080		2.0	18.744	
	Seal guard	1*12	9.762	0.020		2.0	4.686	
Total Quantity							4081.340 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							4081.340 sqm	
Say 4081.340 sqm @ Rs 809.89 / sqm							Rs 3305436.45	
6	od84112/2020_2021 :Providing and fixing Rubber pad of size 160 mm width x3 mm thick on joint of the two half of the shutter and assembling the 2 halves of shutter by bolting with bolts & nuts of class (CL 4.8 IS 1367) including labour, conveyance of tools and machinery etc complete.							
For gates								
	For 12 sets of shutters	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 32480.03 / set							Rs 389760.36	
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							
NUT,BOLT & WASHERS								
	Nut and Bolts M16 x 40 LG (Skin Plate & End Box)	56*12				0.12	80.640	
	Nut and Bolts M16x30 LG (Skin Plate & End Box)	32*12				0.1	38.401	
	Nut and Bolts M16x 80 LG -For Seal Assebmly	140*12				0.18	302.400	

Nut and Bolts M16x60 LG -For Seal assembly	122*12					0.15	219.600	
Nut and Bolts M16x40 LG -For side guide	16*12					0.12	23.040	
Nut and Bolts M16x40 LG -For Splice plate	24*12					0.1	28.800	
Nut and Bolts M16x65 LG -ForSplice plate	204*12					0.15	367.200	
Nut and Bolts M16x55 LG -For Splice plate	24*12					0.14	40.321	
Nut and Bolts M16x90 LG -For Splice plate	24*12					0.25	72.000	
MS SECTIONS								
Horizontal Girder Top -ISM 150x75	1*12	10.336				16.4	2034.125	
Cross Girder support ISA 75x75x8	2*12	1.220				8.9	260.593	
Angle support -1 for girders-ISA 75x75x8	2*12	1.740				8.9	371.664	
Angle support -2 for girders-ISA 75x75x8	2*12	0.950				8.9	202.920	
Side seal support- ISA 75x75x8	2*12	5.150				8.9	1100.041	
SKIN PLATE & END BOX								
Skin plate Bottom-1	1*12	10.690	2.000	12.000		7.85	24167.952	
Skin plate Top-2	1*12	10.690	3.150	10.000		7.85	31720.437	
End box Bottom -1	4*12	2.000	0.510	12.000		7.85	4612.032	
End box Top -2	4*12	3.150	0.510	12.000		7.85	7263.951	
End box stiffener	28*12	0.510	0.140	10.000		7.85	1883.247	
Box stiffener	8*12	0.200	0.140	10.000		7.85	211.008	
Pad plate(outer) for roller	8*12	0.180	0.170	10.000		7.85	230.602	
Eccentric plate	8*12	0.150	0.150	20.000		7.85	339.120	
Cover Plate	8*12	0.170	0.080	10.000		7.85	102.490	
Pad plate(inner)	8*12	0.180	0.170	10.000		7.85	230.602	
HORIZONTAL GIRDER								

	Plate for inner flange bottom	2*12	10.336	0.100	12.000	7.85	2336.763	
	Plate for inner flange top	2*12	10.336	0.100	10.000	7.85	1947.303	
	Plate for web	4*12	10.336	1.000	10.000	7.85	38946.048	
	Plate for outer flange bottom	2*12	10.660	0.180	12.000	7.85	4338.024	
	additional plate for outer Flange-bottom	2*12	7.500	0.180	12.000	7.85	3052.080	
	plate for outer flange top	2*12	10.660	0.150	10.000	7.85	3012.516	
	additional plate for outer Flange-top	2*12	7.500	0.130	10.000	7.85	1836.900	
	plate forweb stiffner1	2*12	0.862	0.140	10.000	7.85	227.362	
	plate forweb stiffner2	4*12	0.862	0.080	10.000	7.85	259.842	
	plate forweb stiffner3	8*12	0.860	0.065	10.000	7.85	421.263	
	SEAL ASSEMBLY							
	Plate for side Seal fixing-1	2*12	5.065	0.105	6.000	7.85	601.175	
	Plate for side Seal fixing-2	2*12	0.105	0.090	6.000	7.85	10.683	
	Bottom Seal Clamp	1*12	9.762	0.080	10.000	7.85	735.665	
	Seal guard	1*12	9.762	0.020	20.000	7.85	367.833	
	VERTICAL STIFFENER							
	Full depth Stiffener-1 centre(Top half)	1*12	1.010	0.920	10.000	7.85	875.307	
	Full depth Stiffener-2 centre(top half)	1*12	1.740	1.010	10.000	7.85	1655.471	
	Full depth Stiffener-3 side(top half)	2*12	1.730	1.010	10.000	7.85	3291.914	
	Full depth Stiffener-4 bottom(top half)	3*12	1.010	0.360	10.000	7.85	1027.534	
	Full depth Stiffener-5 top(bottomhalf)	3*12	1.012	0.510	10.000	7.85	1458.556	
	Full depth Stiffener-6 middle(bottomhalf)	3*12	1.012	0.950	10.000	7.85	2716.917	

	Full depth Stiffener-7 bottom(bottomhalf)	3*12	1.012	0.430	10.000	7.85	1229.763	
	Stiffner-1-top (top half)	22*12	0.918	0.150	10.000	7.85	2853.695	
	Stiffner-2(top half)	22*12	1.740	0.150	10.000	7.85	5408.964	
	Stiffner-3(top half)	22*12	0.360	0.150	10.000	7.85	1119.096	
	Stiffner-4(bottom half)	22*12	0.510	0.150	10.000	7.85	1585.386	
	Stiffner-5(bottom half)	22*12	0.950	0.150	10.000	7.85	2953.170	
	Stiffner-5(bottom half)	22*12	0.430	0.150	10.000	7.85	1336.698	
	flange for full depth stiffner -1(plate)	1*12	0.780	0.160	10.000	7.85	117.562	
	flange for full depth stiffner -2 (plate)	3*12	1.600	0.160	10.000	7.85	723.456	
	flange for full depth stiffner -3 (plate)	3*12	0.290	0.160	10.000	7.85	131.127	
	flange for full depth stiffner -4 (plate)	3*12	0.425	0.160	10.000	7.85	192.168	
	flange for full depth stiffner -5 (plate)	3*12	0.720	0.160	10.000	7.85	325.556	
	SIDE GUIDE							
	Side guide fixing plate	4*12	0.200	0.200	12.000	7.85	180.865	
	guide wheel plate-1	8*12	0.210	0.075	10.000	7.85	118.692	
	guide wheel plate-2	4*12	0.116	0.510	30.000	7.85	668.745	
	Supporting Plate	4*12	0.150	0.040	40.000	7.85	90.432	
	SPLICE PLATE							
	Splice plate -1	2*12	10.200	0.160	10.000	7.85	3074.688	
	Alingment plate for upper skin plate	1*12	10.200	0.080	2.000	7.85	153.735	
	Splice plate for connecting end box	4*12	0.480	0.160	10.000	7.85	289.383	
	Splice plate for connecting girders	3*12	0.450	0.160	10.000	7.85	203.472	
	Total Quantity						167778.995 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						167778.995 kg	
	Say 167778.995 kg @ Rs 6.09 / kg						Rs 1021774.08	
SI No	Description	No	L	B	D	CF	Quantity	Remark

5 Appendix C- 3 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	1*12	9.896					118.753	
	Total Quantity							118.753 metre	
	Total Deducted Quantity							0.000 metre	
	Net Total Quantity							118.753 metre	
	Say 118.753 metre @ Rs 1905.10 / metre							Rs 226236.34	
2	od84154/2020_2021 :Supplying and fixing in correct position with specified initial interface Z-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								
	Z - Type Rubber Seal								
	Z - Type Rubber Seal	2*12	5.156					123.744	
	Total Quantity							123.744 metre	
	Total Deducted Quantity							0.000 metre	
	Net Total Quantity							123.744 metre	
	Say 123.744 metre @ Rs 2656.52 / metre							Rs 328728.41	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
6 Appendix C 4-Supplying and fixing of roller assembly.									
1	od84961/2020_2021 :Supplying and fixing cast steel thrust roller assembly having 300mm Dia, 90mm tread width, SS(304) shaft and 22217-E 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 thrust roller assembly	8*12						96.000	
	Total Quantity							96.000 no	
	Total Deducted Quantity							0.000 no	
	Net Total Quantity							96.000 no	
	Say 96.000 no @ Rs 47103.23 / no							Rs 4521910.08	
SI No	Description	No	L	B	D	CF	Quantity	Remark	

7 Appendix C 5- Supply of materials, fabrication, painting and erection of hoisting bridge, covers and frames of driving units & rope drum for shutter								
1	85.103 Supply of MS chequered plates including cost of conveyance charges							
HOISTING PLATFORM								
	MS chequered plate1- 8mm	2*12	3.570	2.500		64.9	13901.580	
	MS chequered plate2- 8mm	2*12	1.130	0.690		64.9	1214.461	
	MS chequered plate3- 8mm	2*12	1.040	0.495		64.9	801.853	
	MS chequered plate4- 8mm	2*12	0.800	0.495		64.9	616.810	
	MS chequered plate5- 8mm	2*12	2.440	0.680		64.9	2584.370	
LADDER								
	MS chequered plate 6mm-Steps	26*2	1.340	0.300		49.2	1028.477	
	MS chequered plate 6mm-Landing area	1*2	1.340	1.000		49.2	131.857	
Total Quantity							20279.408 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							20279.408 kg	
Say 20279.408 kg @ Rs 73.33 / kg							Rs 1487088.99	
2	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS PLATES								
	Drum side Support	2*2*12	0.500	0.400	20.000	7.85	1507.200	
	Lock Plates for Drum Unit	2*2*12	0.330	0.120	20.000	7.85	298.426	
	Plummer block side support-1	1*2*12	0.600	0.060	10.000	7.85	67.824	
	Plummer block side support-2	1*2*12	1.500	0.060	10.000	7.85	169.560	
	Stiffener-1 for Drum Support	4*2*12	0.120	0.090	10.000	7.85	81.389	

	Stiffener-2 for Drum Support	2*2*12	0.090	0.060	10.000	7.85	20.348	
	Frame Support Stiffener-1	5*2*12	0.276	0.140	10.000	7.85	363.989	
	Frame Support Stiffener-2	1*2*12	0.273	0.080	10.000	7.85	41.147	
	Plummer block Support	4*2*12	0.255	0.090	50.000	7.85	864.756	
	Spacer	2*2*12	0.180	0.180	8.000	7.85	97.667	
	DIAL GAUGE - MS PLATES							
	Base plate	1*12	0.470	0.300	8.000	7.85	106.258	
	Support for base plate	2*12	0.185	0.150	10.000	7.85	52.281	
	Stiffener for Support	1*12	0.170	0.150	10.000	7.85	24.021	
	Base plate for Plummer block	1*12	0.280	0.090	10.000	7.85	23.739	
	Stiffener for Plummer block	2*12	0.100	0.090	10.000	7.85	16.956	
	Support for Plummer block	2*12	0.276	0.230	10.000	7.85	119.597	
	Other Engineering Materials DRUM UNIT COVER - MS PLATES							
	Cover plate-1	1*2*12	2.330	0.535	3.150	7.85	739.778	
	Cover plate-2	2*2*12	1.415	0.660	3.150	7.85	1108.465	
	Cover plate-3	1*2*12	0.310	0.210	3.150	7.85	38.635	
	DRIVE UNITS- MS PLATES							
	Base plate for worm reducer	1*12	0.350	0.350	10.000	7.85	115.395	
	Support-1 for base plate	4*12	0.095	0.095	10.000	7.85	34.007	
	Support-2 for base plate	2*12	0.192	0.100	10.000	7.85	36.173	
	Base plate for EM Brake	1*12	0.350	0.125	10.000	7.85	41.213	
	Support for base plate	4*12	0.070	0.070	10.000	7.85	18.464	
	Base plate for Motor	1*12	0.250	0.250	10.000	7.85	58.875	
	Support-1 for Motor	2*12	0.070	0.070	10.000	7.85	9.232	
	Support-2 for Motor	1*12	0.100	0.075	10.000	7.85	7.065	

LINE SHAFT (2 Sides x 12 Hoists) MS Plates							
Base plate for plummer block	2*12	0.300	0.100	16.000	7.85	90.432	
Support for Plummer block	2*12	0.400	0.308	10.000	7.85	232.109	
Base support for Plummer block	2*12	0.400	0.100	16.000	7.85	120.577	
Stiffener for support	1*12	0.308	0.080	10.000	7.85	23.211	
BOTTOM BLOCK							
Plates for pulley bracket	4*12	1.270	0.750	16.000	7.85	5742.432	
End Plate	4*12	0.440	0.130	10.000	7.85	215.530	
Spacer (ID - 91,OD200)-8mm thick	8*12	0.200	0.200	8.000	7.85	241.153	
Pulley bracketStiffener 1	2*12	0.300	0.110	12.000	7.85	74.607	
Pulley bracketStiffener 2	2*12	0.250	0.110	12.000	7.85	62.172	
Pulley bracketStiffener 3	4*12	0.200	0.130	12.000	7.85	117.562	
Pulley bracketStiffener 4	4*12	0.110	0.100	12.000	7.85	49.738	
Pulley bracketStiffener 5	4*12	0.750	0.110	8.000	7.85	248.688	
Fixing plate	12*12	0.200	0.200	10.000	7.85	452.160	
Lock plate	24*12	0.120	0.050	10.000	7.85	135.648	
Plate 1-bottom	4*12	0.090	0.040	10.000	7.85	13.565	
Fixing plate	4*12	1.215	0.350	20.000	7.85	3204.684	
Stiffner-1	2*12	0.900	0.150	10.000	7.85	254.341	
Stiffner- 2	2*12	1.000	0.650	10.000	7.85	1224.600	
DRIVE UNIT COVER (1 No)- MS PLATES							
Covate-plate-1	2*12	1.520	1.200	3.150	7.85	1082.472	
Covate-plate-2	1*12	1.180	0.840	3.150	7.85	294.119	
Covate-plate-3	1*12	1.080	0.840	3.150	7.85	269.194	
Covate-plate-4	1*12	1.535	0.840	3.150	7.85	382.604	
Stiffner Plate-1	1*12	0.150	0.150	8.000	7.85	16.956	

	Stiffner Plate-2	2*12	1.110	0.055	5.000	7.85	57.510	
	HOISTING BRIDGE- MS PLATES							
	Longitudinal Girder flange -16mm MS Plate	4*12	11.990	0.200	16.000	7.85	14457.063	
	Longitudinal Girder web -10mm MS Plate	2*12	11.990	0.900	10.000	7.85	20330.244	
	Anchoring plate	4*12	0.500	0.490	25.000	7.85	2307.900	
	Web Stiffner-1	16*12	0.900	0.245	10.000	7.85	3323.376	
	Web Stiffner-2	8*12	0.616	0.085	10.000	7.85	394.585	
	Web Stiffner-3	8*12	0.900	0.085	10.000	7.85	576.504	
	Web Stiffner-4	8*12	0.716	0.085	10.000	7.85	458.641	
	Web Stiffner-5	8*12	0.900	0.085	10.000	7.85	576.504	
	Web Stiffner-6	4*12	0.516	0.085	10.000	7.85	165.265	
	Web Stiffner-7	4*12	0.900	0.085	10.000	7.85	288.252	
	Web Stiffner-8	12*12	0.766	0.085	10.000	7.85	736.004	
	Web Stiffner-9	12*12	0.900	0.085	8.000	7.85	691.805	
	Plate-for fixing hand rail post	20*12	0.200	0.170	10.000	7.85	640.561	
	Lock plate for pulley	16*12	0.150	0.050	10.000	7.85	113.040	
	Plate for pulley bracket	4*12	1.592	0.550	16.000	7.85	5278.818	
	Plate for anchor rod (dia.100x16 thk.)	24*12	0.100	0.100	16.000	7.85	361.729	
	Spacer OD: 200, ID:92 ,4 thk.	8*12	0.200	0.200	4.000	7.85	120.577	
	Pulley fixing end plate	2*12	0.150	0.150	10.000	7.85	42.390	
	Total Quantity						71531.782 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						71531.782 kg	
	Say 71531.782 kg @ Rs 64.18 / kg						Rs 4590909.77	
3	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS Sections							

Support Frame-1 ISM 300x90	1*2*12	1.500			35.8	1288.800	
Support Frame-2 ISM 300x90	1*2*12	0.870			35.8	747.504	
Support Frame-3 ISM 300x90	1*2*12	0.900			35.8	773.280	
Support Frame-4 ISM 300x90	1*2*12	0.622			35.8	534.423	
Support Frame-5 ISM 300x90	1*2*12	0.690			35.8	592.848	
Support Frame-6 ISM 300x90	1*2*12	0.240			35.8	206.208	
DIAL GUAGE - MS SECTIONS							
Vertical Support for Guage- ISM 100x50	2*12	0.925			9.2	204.240	
Support for GuageISA 50x50x6	2*12	0.050			4.5	5.400	
DRIVE UNIT COVER- MS SECTIONS							
Frame Support-1 ISA 35x35x5	2*12	0.850			2.6	53.040	
Frame Support-2 ISA 35x35x5	2*12	1.050			2.6	65.521	
Frame Support-3 ISA 35x35x5	2*12	0.170			2.6	10.608	
Frame Support-4 ISA 35x35x5	2*12	1.200			2.6	74.880	
Frame Support-5 ISA 35x35x5	2*12	1.100			2.6	68.641	
Frame Support-6 ISA 35x35x5	2*12	0.850			2.6	53.040	
Frame Support-7 ISA 35x35x5	2*12	1.535			2.6	95.784	
Cross Support TopISA 35x35x5	2*12	0.780			2.6	48.672	
DRUM UNIT COVER - MS SECTIONS							
Frame Support-1 ISA 35x35x5	2*12	2.340			2.6	146.016	

Frame Support-2 ISA 35x35x5	2*12	0.540			2.6	33.697	
Frame Support-3 ISA 35x35x5	1*12	0.808			2.6	25.210	
Frame Support-4 ISA 35x35x5	2*12	0.093			2.6	5.804	
Frame Support-5 ISA 35x35x5	1*12	0.210			2.6	6.553	
Frame Support-6 ISA 35x35x5	1*12	0.088			2.6	2.746	
Frame Support-7 ISA 35x35x5	6*12	0.470			2.6	87.984	
MS Flat Support -1 50x5	1*12	1.040			7.85	97.968	
MS Flat Support -1 50x5	2*12	0.935			7.85	176.154	
HOISTING UNIT - MS SECTIONS							
Support-1 for pulley (ISMC 400x100)	2*12	2.490			49.41	2952.742	
Support for Drive unit (ISMC 200x75)	2*12	2.490			22.1	1320.697	
Support-1 for Drum(ISMC 200x75)	2*12	1.180			22.1	625.873	
Cross support (ISMC 150X75)	6*12	2.490			16.4	2940.192	
Support-2 for pulley (ISMC 150X75)	4*12	1.180			16.4	928.896	
Support-3 for pulley (ISMC 300x90)	4*12	2.490			35.8	4278.816	
Support for Drum (ISMC 200x75)	4*12	0.870			22.1	922.897	
Stiffner for pulley support(ISA75X75X8)	64*12	0.100			8.9	683.521	
Stiffner for hand rail post(ISA75X75X8)	2*12	12.000			8.9	2563.201	
H a n d r a i l post(ISA65X65X6)	20*12	1.250			5.8	1740.000	

	Flat for hand rail (Middle)	2*12	12.000	0.050	8.000	7.85	904.320	
	Support ladder sland ISMC 200x75	2*2	6.500			22.1	574.600	
	Support landing-1 ISMC 200x75	1*2	1.350			22.1	59.671	
	Support landing-2 ISMC 200x75	1*2	1.000			22.1	44.200	
	Hand rail post ladder ISA 50x50x6	12*2	1.200			4.5	129.600	
	ladder Step frame 1 &2- ISA 40x40x6	26*2*2	1.350			3.5	491.401	
	ladder Step frame 3 ISA 40x40x6	26*2*2	0.300			3.5	109.200	
	Hinge post - ISMC 200X75	4*2	2.500			22.1	442.000	
	Gate frame vertical ISA 50x50x6	8*2	1.200			4.5	86.400	
	Gate frame horizontal ISA 50x50x6	5*2	1.500			4.5	67.500	
	MS Flat for Hand rail 1 - 50x8 mm	2*2	6.500	0.050	8.000	7.85	81.640	
DRIVE UNIT - MS SECTIONS								
	Support frame-1 (ISMC 200X75)	2*12	1.600			22.1	848.641	
	Support frame-2 (ISMC 200X75)	2*12	0.700			22.1	371.280	
	Support frame-2 (ISMC 200X75)	1*12	0.700			22.1	185.640	
	Support frame (vertical for plummer block ISA75X75X8	4*12	0.850			8.9	363.120	
	Cross Support-1 for plummer block ISA 75X75X8	2*12	0.400			8.9	85.441	
	Cross Support-2 for plummer block ISA 100x100x8	2*12	0.700			12.1	203.280	

	Support for EM BrakeISA 75X75X8	2*12	0.700			8.9	149.520		
	Support for Motor ISA 75X75X8	2*12	0.700			8.9	149.520		
	Support for plumber block ISA 100x100x10	1*12	0.250			14.9	44.700		
	Total Quantity						29753.530 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						29753.530 kg		
	Say 29753.530 kg @ Rs 66.13 / kg						Rs 1967600.94		
4	od83130/2020_2021 :Supply of MS Bolts and Nuts								
	NUT, BOLT & WASHERS								
	Handrail Post M 16 x 6 0 LG	40*12	0.060			0.18	5.184		
	For Pulley Locking plate- M16x30LG	32*12	0.030			0.1	1.152		
	For Hoist Girder Splice Plate- M16x 60LG	8*12	0.060			0.18	1.037		
	Nut & Washers for anchor rod dia 25M24	6*4*12	0.050			0.1	1.441		
	For Drum Unit-1 -M16 x100LG	8*12	0.100			0.21	2.016		
	For Drum Unit-2- -M16 x30LG	16*12	0.030			0.1	0.576		
	For Drive Unit -1 M12x100 LG	14*12	0.100			0.14	2.353		
	For Drive Unit -2 M22x135LG	4*12	0.135			0.56	3.629		
	For Drive Unit -3 M20x100 LG	12*12	0.100			0.48	6.855		
	For Bottom Block M16x40LG	48*12	0.040			0.11	2.535		
	For Drum Unit Cover M12x 40LG	13*2*12	0.040			0.1	1.249		
	For Drive Unit Cover M10 x 55LG	42*12	0.055			0.1	2.773		

	Total Quantity						30.800 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						30.800 kg	
	Say 30.800 kg @ Rs 77.77 / kg						Rs 2395.32	
5	od85498/2020_2021 :Supply of Plummer Block for Line Shaft, Manual operating mechanism, Gear box assembly and Dial indicator.							
	PLUMMER BLOCK							
	For Line Shaft- SNA 515TC	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 91475.09 / no						Rs 1097701.08	
6	85.107 Supply of MS round bar including cost of conveyance charges							
	MS RODS							
	Anchor bolt dia 25mm base plate hoisting 24	24*12	0.750			3.85	831.600	
	Handle for drive unit cover-16mm	2*12	0.300			1.58	11.376	
	Handle 1- for rope drum cover -16mm	4*12	0.300			1.58	22.752	
	Handle 2- for rope drum cover -16mm	2*12	0.400			1.58	15.169	
	Handle 3- for rope drum cover -16mm	2*12	0.280			1.58	10.618	
	Pin For bottom block Dia 90 (Shutter Side)	2*12	0.240			49.9	287.424	
	Total Quantity						1178.939 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1178.939 kg	
	Say 1178.939 kg @ Rs 64.18 / kg						Rs 75664.31	
7	od85506/2020_2021 :Supply of NB 32mm GI pipe							

HAND RAIL PIPE									
	Hand rails of Hoist bridge -32mm GI pipe	2*12	12.000				288.000		
	Hand rails of Hoist bridge end -32mm GI pipe	1*2	2.600				5.200		
	Ladder Hand Rail-1 32mm GI pipe	2*2	9.000				36.000		
	Total Quantity						329.200 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						329.200 metre		
	Say 329.200 metre @ Rs 221.17 / metre						Rs 72809.16		
8	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								
MS RODS									
	Anchor bolt dia 25mm base plate hoisting 24	24*12	0.750			3.85	831.600		
	Pin for pulley Dia.90x180 long(Hoist side)	4*12	0.180			49.9	431.136		
	Handle for drive unit cover-16mm	2*12	0.300			1.58	11.376		
	Handle 1- for rope drum cover -16mm	4*12	0.300			1.58	22.752		
	Handle 2- for rope drum cover -16mm	2*12	0.400			1.58	15.169		
	Handle 3- for rope drum cover -16mm	2*12	0.280			1.58	10.618		
	Pin For bottom block Dia 90 (Shutter Side)	2*12	0.240			49.9	287.424		
HOISTING UNIT - MS SECTIONS									
	Support-1 for pulley (ISMC 400x100)	2*12	2.490			49.41	2952.742		

Support for Drive unit (ISMC 200x75)	2*12	2.490			22.1	1320.697	
Support-1 for Drum (ISMC 200x75)	2*12	1.180			22.1	625.873	
Cross support (ISMC 150X75)	6*12	2.490			16.4	2940.192	
Support-2 for pulley (ISMC 150X75)	4*12	1.180			16.4	928.896	
Support-3 for pulley (ISMC 300x90)	4*12	2.490			35.8	4278.816	
Support for Drum (ISMC 200x75)	4*12	0.870			22.1	922.897	
Stiffner for pulley support (ISA75X75X8)	64*12	0.100			8.9	683.521	
Stiffner for hand rail post (ISA75X75X8)	2*12	12.000			8.9	2563.201	
Hand rail post (ISA65X65X6)	20*12	1.250			5.8	1740.000	
Flat for hand rail (Middle)	2*12	12.000	0.050	8.000	7.85	904.320	
Support ladder stand ISMC 200x75	2*2	6.500			22.1	574.600	
Support landing-1 ISMC 200x75	1*2	1.350			22.1	59.671	
Support landing-2 ISMC 200x75	1*2	1.000			22.1	44.200	
Hand rail post ladder ISA 50x50x6	12*2	1.200			4.5	129.600	
ladder Step frame 1 & 2- ISA 40x40x6	26*2*2	1.350			3.5	491.401	
ladder Step frame 3 ISA 40x40x6	26*2*2	0.300			3.5	109.200	
Hinge post - ISMC 200X75	4*2	2.500			22.1	442.000	
Gate frame vertical ISA 50x50x6	8*2	1.200			4.5	86.400	
Gate frame horizontal ISA 50x50x6	5*2	1.500			4.5	67.500	

	MS Flat for Hand rail 1 - 50x8 mm	2*2	6.500	0.050	8.000	7.85	81.640	
DRUM UNIT COVER - MS SECTIONS								
	Frame Support-1 ISA 35x35x5	2*12	2.340			2.6	146.016	
	Frame Support-2 ISA 35x35x5	2*12	0.540			2.6	33.697	
	Frame Support-3 ISA 35x35x5	1*12	0.808			2.6	25.210	
	Frame Support-4 ISA 35x35x5	2*12	0.093			2.6	5.804	
	Frame Support-5 ISA 35x35x5	1*12	0.210			2.6	6.553	
	Frame Support-6 ISA 35x35x5	1*12	0.088			2.6	2.746	
	Frame Support-7 ISA 35x35x5	6*12	0.470			2.6	87.984	
	MS Flat Support -1 50x5	1*12	1.040			7.85	97.968	
	MS Flat Support -1 50x5	2*12	0.935			7.85	176.154	
DRIVE UNIT COVER- MS SECTIONS								
	Frame Support-1 ISA 35x35x5	2*12	0.850			2.6	53.040	
	Frame Support-2 ISA 35x35x5	2*12	1.050			2.6	65.521	
	Frame Support-3 ISA 35x35x5	2*12	0.170			2.6	10.608	
	Frame Support-4 ISA 35x35x5	2*12	1.200			2.6	74.880	
	Frame Support-5 ISA 35x35x5	2*12	1.100			2.6	68.641	
	Frame Support-6 ISA 35x35x5	2*12	0.850			2.6	53.040	
	Frame Support-7 ISA 35x35x5	2*12	1.535			2.6	95.784	
	Cross Support Top ISA 35x35x5	2*12	0.780			2.6	48.672	

DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS Sections							
Support Frame-1 ISMC 300x90	1*2*12	1.500			35.8	1288.800	
Support Frame-2 ISMC 300x90	1*2*12	0.870			35.8	747.504	
Support Frame-3 ISMC 300x90	1*2*12	0.900			35.8	773.280	
Support Frame-4 ISMC 300x90	1*2*12	0.622			35.8	534.423	
Support Frame-5 ISMC 300x90	1*2*12	0.690			35.8	592.848	
Support Frame-6 ISMC 300x90	1*2*12	0.240			35.8	206.208	
DRIVE UNIT - MS SECTIONS							
Support frame-1 (ISMC 200X75)	2*12	1.600			22.1	848.641	
Support frame-2 (ISMC 200X75)	2*12	0.700			22.1	371.280	
Support frame-2 (ISMC 200X75)	1*12	0.700			22.1	185.640	
Support frame (vertical for plummer block ISA75X75X8)	4*12	0.850			8.9	363.120	
Cross Support-1 for plummer block ISA 75X75X8	2*12	0.400			8.9	85.441	
Cross Support-2 for plummer block ISA 100x100x8	2*12	0.700			12.1	203.280	
Support for EM BrakeISA 75X75X8	2*12	0.700			8.9	149.520	
Support for Motor ISA 75X75X8	2*12	0.700			8.9	149.520	
Support for plummer block ISA 100x100x10	1*12	0.250			14.9	44.700	
DIAL GUAGE - MS SECTIONS							
Vertical Support for Guage- ISMC 100x50	2*12	0.925			9.2	204.240	

	Support for GuageISA 50x50x6	2*12	0.050			4.5	5.400	
BOTTOM BLOCK								
	Plates for pulley bracket	4*12	1.270	0.750	16.000	7.85	5742.432	
	End Plate	4*12	0.440	0.130	10.000	7.85	215.530	
	S p a c e r (I D - 91,OD200)-8mm thick	8	0.200	0.110	8.000	7.85	11.053	
	Pulley bracketStiffener 1	2*12	0.300	0.110	12.000	7.85	74.607	
	Pulley bracketStiffener 2	2*12	0.250	0.110	12.000	7.85	62.172	
	Pulley bracketStiffener 3	4*12	0.200	0.130	12.000	7.85	117.562	
	Pulley bracketStiffener 4	4*12	0.110	0.100	12.000	7.85	49.738	
	Pulley bracketStiffener 5	4*12	0.750	0.110	8.000	7.85	248.688	
	Fixing plate	12*12	0.200	0.200	12.000	7.85	542.593	
	Lock plate	24*12	0.120	0.050	10.000	7.85	135.648	
	Plate 1-bottom	4*12	0.090	0.040	10.000	7.85	13.565	
	Fixing plate	4*12	1.215	0.350	20.000	7.85	3204.684	
	Stiffner-1	2*12	0.900	0.150	10.000	7.85	254.341	
	Stiffner- 2	2*12	1.000	0.650	10.000	7.85	1224.600	
DRIVE UNIT COVER (1 No)- MS PLATES								
	Covate-plate-1	2*12	1.520	1.200	3.150	7.85	1082.472	
	Covate-plate-2	1*12	1.180	0.840	3.150	7.85	294.119	
	Covate-plate-3	1*12	1.080	0.840	3.150	7.85	269.194	
	Covate-plate-4	1*12	1.535	0.840	3.150	7.85	382.604	
	Stiffner Plate-1	1*12	0.150	0.150	8.000	7.85	16.956	
	Stiffner Plate-2	2*12	1.110	0.055	8.000	7.85	92.015	
DRUM UNIT COVER-- MS PLATES								
	Cover plate-1	1*2*12	2.330	0.535	3.150	7.85	739.778	
	Cover plate-2	2*2*12	1.415	0.660	3.150	7.85	1108.465	
	Cover plate-3	1*2*12	0.310	0.210	3.150	7.85	38.635	

DIAL GAUGE - MS PLATES							
Base plate	1*12	0.470	0.300	8.000	7.85	106.258	
Support for base plate	2*12	0.185	0.150	10.000	7.85	52.281	
Stiffener for Support	1*12	0.170	0.150	10.000	7.85	24.021	
Base plate for Plummer block	1*12	0.280	0.090	10.000	7.85	23.739	
Stiffener for Plummer block	2*12	0.100	0.090	10.000	7.85	16.956	
Support for Plummer block	2*12	0.276	0.230	10.000	7.85	119.597	
DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS PLATES							
Drum side Support	2*2*12	0.500	0.400	20.000	7.85	1507.200	
Lock Plates for Drum Unit	2*2*12	0.330	0.120	20.000	7.85	298.426	
Plummer block side support-1	1*2*12	0.600	0.060	10.000	7.85	67.824	
Plummer block side support-2	1*2*12	1.500	0.060	10.000	7.85	169.560	
Stiffener-1 for Drum Support	4*2*12	0.120	0.090	10.000	7.85	81.389	
Stiffener-2 for Drum Support	2*2*12	0.090	0.060	10.000	7.85	20.348	
Frame Support Stiffener-1	5*2*12	0.276	0.140	10.000	7.85	363.989	
Frame Support Stiffener-2	1*2*12	0.273	0.080	10.000	7.85	41.147	
Plummer block Support	4*2*12	0.255	0.090	50.000	7.85	864.756	
Spacer	2*2*12	0.180	0.180	8.000	7.85	97.667	
LINE SHAFT (2 Sides x 12 Hoists) MS Plates							
Base plate for plummer block	2*12	0.300	0.100	16.000	7.85	90.432	
Support for Plummer block	2*12	0.400	0.308	10.000	7.85	232.109	
Base support for Plummer block	2*12	0.400	0.100	16.000	7.85	120.577	
Stiffener for support	1*12	0.308	0.080	10.000	7.85	23.211	

HOISTING BRIDGE- MS PLATES								
Longitudinal Girder flange -16mm MS Plate	4*12	11.990	0.200	16.000	7.85	14457.063		
Longitudinal Girder web -10mm MS Plate	2*12	11.990	0.900	10.000	7.85	20330.244		
Anchoring plate	4*12	0.500	0.490	25.000	7.85	2307.900		
Web Stiffner-1	16*12	0.900	0.245	10.000	7.85	3323.376		
Web Stiffner-2	8*12	0.616	0.085	10.000	7.85	394.585		
Web Stiffner-3	8*12	0.900	0.085	10.000	7.85	576.504		
Web Stiffner-4	8*12	0.716	0.085	10.000	7.85	458.641		
Web Stiffner-5	8*12	0.900	0.085	10.000	7.85	576.504		
Web Stiffner-6	4*12	0.516	0.085	10.000	7.85	165.265		
Web Stiffner-7	4*12	0.900	0.085	10.000	7.85	288.252		
Web Stiffner-8	12*12	0.766	0.085	10.000	7.85	736.004		
Web Stiffner-9	12*12	0.900	0.085	8.000	7.85	691.805		
Plate-for fixing hand rail post	20*12	0.200	0.170	10.000	7.85	640.561		
Lock plate for pulley	16*12	0.150	0.050	10.000	7.85	113.040		
Plate for pulley bracket	4*12	1.592	0.550	16.000	7.85	5278.818		
Plate for anchor rod (dia.100x16 thk.)	24*12	0.100	0.085	16.000	7.85	307.469		
Spacer OD: 200, ID:92 ,4 thk.	8*12	0.200	0.120	4.000	7.85	72.346		
Pulley fixing end plate	2*12	0.150	0.150	10.000	7.85	42.390		
HOISTING PLATFORM								
MS chequered plate1- 8mm	2*12	3.570	2.500		64.9	13901.580		
MS chequered plate2- 8mm	2*12	1.130	0.690		64.9	1214.461		
MS chequered plate3- 8mm	2*12	1.040	0.495		64.9	801.853		
MS chequered plate4- 8mm	2*12	0.800	0.495		64.9	616.810		

	MS chequered plate 5- 8mm	2*12	2.440	0.680		64.9	2584.370		
	LADDER								
	MS chequered plate 6mm-Steps	26*2	1.340	0.300		49.2	1028.477		
	MS chequered plate 6mm-Landing area	1*2	1.340	1.000		49.2	131.857		
	DRIVE UNITS- MS PLATES								
	Base plate for worm reducer	1*12	0.350	0.350	10.000	7.85	115.395		
	Support-1 for base plate	4*12	0.095	0.095	10.000	7.85	34.007		
	Support-2 for base plate	2*12	0.192	0.100	10.000	7.85	36.173		
	Base plate for EM Brake	1*12	0.350	0.125	10.000	7.85	41.213		
	Support for base plate	4*12	0.070	0.070	10.000	7.85	18.464		
	Base plate for Motor	1*12	0.250	0.250	10.000	7.85	58.875		
	Support-1 for Motor	2*12	0.070	0.070	10.000	7.85	9.232		
	Support-2 for Motor	1*12	0.100	0.075	10.000	7.85	7.065		
	Total Quantity						122967.142 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						122967.142 kg		
	Say 122967.142 kg @ Rs 58.93 / kg						Rs 7246453.68		
9	od85554/2020_2021 :Painting all the exposed surfaces 2 coats of enamel paint over 1 coat of zinc chromate primer as per IS 1477:1994 over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials, labour charges, cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site.								
	MS RODS								
	Anchor bolt dia 25mm base plate hoisting 24	24*12	0.750			0.08	17.280		
	Pin for pulley Dia.90mmx180 long(Hoist side)	4*12	0.180			0.28	2.420		

Handle for drive unit cover-16mm	2*12	0.300			0.05	0.360	
Handle 1- for rope drum cover -16mm	4*12	0.300			0.05	0.720	
Handle 2- for rope drum cover -16mm	2*12	0.400			0.05	0.481	
Handle 3- for rope drum cover -16mm	2*12	0.280			0.05	0.337	
Pin For bottom blockDia 90 (Shutter Side)	2*12	0.240			0.28	1.613	
DRUM UNIT COVER - MS SECTIONS							
Frame Support-1 ISA 35x35x5	2*12	2.340			2.6	146.016	
Frame Support-2 ISA 35x35x5	2*12	0.540			2.6	33.697	
Frame Support-3 ISA 35x35x5	1*12	0.808			2.6	25.210	
Frame Support-4 ISA 35x35x5	2*12	0.093			2.6	5.804	
Frame Support-5 ISA 35x35x5	1*12	0.210			2.6	6.553	
Frame Support-6 ISA 35x35x5	1*12	0.088			2.6	2.746	
Frame Support-7 ISA 35x35x5	6*12	0.470			2.6	87.984	
MS Flat Support -1 50x5	1*12	1.040	0.050		2.0	1.249	
MS Flat Support -1 50x5	2*12	0.935	0.050		2.0	2.244	
LINE SHAFT (2 Sides x 12 Hoists) MS Plates							
Base plate for plummer block	2*12	0.300	0.100		2.0	1.440	
Support for Plummer block	2*12	0.400	0.308		2.0	5.914	
Base support for Plummer block	2*12	0.400	0.100		2.0	1.921	
Stiffener for support	1*12	0.308	0.080		2.0	0.592	

HOISTING BRIDGE- MS PLATES								
Longitudinal Girder flange -16mm MS Plate	4*12	11.990	0.200			2.0	230.209	
Longitudinal Girder web -10mm MS Plate	2*12	11.990	0.900			2.0	517.969	
Anchoring plate	4*12	0.500	0.490			2.0	23.520	
Web Stiffner-1	16*12	0.900	0.245			2.0	84.672	
Web Stiffner-2	8*12	0.616	0.085			2.0	10.054	
Web Stiffner-3	8*12	0.900	0.085			2.0	14.689	
Web Stiffner-4	8*12	0.716	0.085			2.0	11.686	
Web Stiffner-5	8*12	0.900	0.085			2.0	14.689	
Web Stiffner-6	4*12	0.516	0.085			2.0	4.211	
Web Stiffner-7	4*12	0.900	0.085			2.0	7.345	
Web Stiffner-8	12*12	0.766	0.085			2.0	18.752	
Web Stiffner-9	12*12	0.900	0.085			2.0	22.033	
Plate-for fixing hand rail post	20*12	0.200	0.170			2.0	16.320	
Lock plate for pulley	16*12	0.150	0.050			2.0	2.880	
Plate for pulley bracket	4*12	1.592	0.550			2.0	84.058	
Plate for anchor rod (dia.100x16 thk.)	24*12	0.100	0.085			2.0	4.897	
Spacer OD: 200, ID:92 ,4 thk.	8*12	0.200	0.120			2.0	4.609	
Pulley fixing end plate	2*12	0.150	0.150			2.0	1.080	
HOISTING PLATFORM								
MS chequered plate1- 8mm	2*12	3.570	2.500			2.0	428.400	
MS chequered plate2- 8mm	2*12	1.130	0.690			2.0	37.426	
MS chequered plate3- 8mm	2*12	1.040	0.495			2.0	24.711	
MS chequered plate4- 8mm	2*12	0.800	0.495			2.0	19.009	

	MS chequered plate5- 8mm	2*12	2.440	0.680		2.0	79.642	
	LADDER							
	MS chequered plate 6mm-Steps	26*2	1.340	0.300		2.0	41.808	
	MS chequered plate 6mm-Landing area	1*2	1.340	1.000		2.0	5.360	
	DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS PLATES							
	Drum side Support	2*2*12	0.500	0.400		2.0	19.201	
	Lock Plates for Drum Unit	2*2*12	0.330	0.120		2.0	3.802	
	Plummer block side support-1	1*2*12	0.600	0.060		2.0	1.728	
	Plummer block side support-2	1*2*12	1.500	0.060		2.0	4.320	
	Stiffener-1 for Drum Support	4*2*12	0.120	0.090		2.0	2.074	
	Stiffener-2 for Drum Support	2*2*12	0.090	0.060		2.0	0.519	
	Frame Support Stiffener-1	5*2*12	0.276	0.140		2.0	9.274	
	Frame Support Stiffener-2	1*2*12	0.273	0.080		2.0	1.049	
	Plummer block Support	4*2*12	0.255	0.090		2.0	4.407	
	Spacer	2*2*12	0.180	0.180		2.0	3.111	
	DIAL GAUGE - MS PLATES							
	Base plate	1*12	0.470	0.300		2.0	3.384	
	Support for base plate	2*12	0.185	0.150		2.0	1.332	
	Stiffener for Support	1*12	0.170	0.150		2.0	0.613	
	Base plate for Plummer block	1*12	0.280	0.090		2.0	0.605	
	Stiffener for Plummer block	2*12	0.100	0.090		2.0	0.432	
	Support for Plummer block	2*12	0.276	0.230		2.0	3.048	
	DRUM UNIT COVER-- MS PLATES							

Cover plate-1	1*2*12	2.330	0.535		2.0	59.835	
Cover plate-2	2*2*12	1.415	0.660		2.0	89.655	
Cover plate-3	1*2*12	0.310	0.210		2.0	3.125	
DRIVE UNIT COVER (1 No)- MS PLATES							
Covate-plate-1	2*12	1.520	1.200		2.0	87.552	
Covate-plate-2	1*12	1.180	0.840		2.0	23.789	
Covate-plate-3	1*12	1.080	0.840		2.0	21.773	
Covate-plate-4	1*12	1.535	0.840		2.0	30.946	
Stiffner Plate-1	1*12	0.150	0.150		2.0	0.540	
Stiffner Plate-2	2*12	1.110	0.055		2.0	2.931	
DIAL GUAGE - MS SECTIONS							
Vertical Support for Guage- ISMC 100x50	2*12	0.925			0.4	8.880	
Support for GuageISA 50x50x6	2*12	0.050			0.2	0.241	
DRIVE UNIT - MS SECTIONS							
Support frame-1 (ISMC 200X75)	2*12	1.600			0.7	26.881	
Support frame-2 (ISMC 200X75)	2*12	0.700			0.7	11.760	
Support frame-2 (ISMC 200X75)	1*12	0.700			0.7	5.880	
Support frame (vertical for plummer block ISA75X75X8)	4*12	0.850			0.3	12.240	
Cross Support-1 for plummer block ISA 75X75X8	2*12	0.400			0.3	2.881	
Cross Support-2 for plummer block ISA 100x100x8	2*12	0.700			0.4	6.720	
Support for EM BrakeISA 75X75X8	2*12	0.700			0.3	5.040	
Support for Motor ISA 75X75X8	2*12	0.700			0.3	5.040	
Support for plummer block ISA 100x100x10	1*12	0.250			0.4	1.201	

DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS Sections								
Support Frame-1 ISMC 300x90	1*2*12	1.500				0.96	34.560	
Support Frame-2 ISMC 300x90	1*2*12	0.870				0.96	20.045	
Support Frame-3 ISMC 300x90	1*2*12	0.900				0.96	20.736	
Support Frame-4 ISMC 300x90	1*2*12	0.622				0.96	14.331	
Support Frame-5 ISMC 300x90	1*2*12	0.690				0.96	15.898	
Support Frame-6 ISMC 300x90	1*2*12	0.240				0.96	5.530	
DRIVE UNIT COVER- MS SECTIONS								
Frame Support-1 ISA 35x35x5	2*12	0.850				2.6	53.040	
Frame Support-2 ISA 35x35x5	2*12	1.050				2.6	65.521	
Frame Support-3 ISA 35x35x5	2*12	0.170				2.6	10.608	
Frame Support-4 ISA 35x35x5	2*12	1.200				2.6	74.880	
Frame Support-5 ISA 35x35x5	2*12	1.100				2.6	68.641	
Frame Support-6 ISA 35x35x5	2*12	0.850				2.6	53.040	
Frame Support-7 ISA 35x35x5	2*12	1.535				2.6	95.784	
Cross Support Top ISA 35x35x5	2*12	0.780				2.6	48.672	
HOISTING UNIT - MS SECTIONS								
Support-1 for pulley (ISMC 400x100)	2*12	2.490				1.2	71.712	
Support for Drive unit (ISMC 200x75)	2*12	2.490				0.7	41.832	
Support-1 for Drum (ISMC 200x75)	2*12	1.180				0.7	19.824	

	Cross support (ISMC 150X75)	6*12	2.490			0.6	107.569	
	Support-2 for pulley (ISMC 150X75)	4*12	1.180			0.6	33.984	
	Support-3 for pulley (ISMC 300x90)	4*12	2.490			0.96	114.740	
	Support for Drum (ISMC 200x75)	4*12	0.870			0.7	29.232	
	Stiffner for pulley support(ISA75X75X8)	64*12	0.100			0.3	23.041	
	Stiffner for hand rail post(ISA75X75X8)	2*12	12.000			0.3	86.400	
	H a n d r a i l post(ISA65X65X6)	20*12	1.250			0.26	78.000	
	Flat for hand rail (Middle)	2*12	12.000	0.050		2.0	28.801	
	Support ladder sland ISMC 200x75	2*2	6.500			0.7	18.200	
	Support landing-1 ISMC 200x75	1*2	1.350			0.7	1.890	
	Support landing-2 ISMC 200x75	1*2	1.000			0.7	1.400	
	Hand rail post ladder ISA 50x50x6	12*2	1.200			0.2	5.760	
	ladder Step frame 1 &2- ISA 40x40x6	26*2*2	1.350			0.16	22.465	
	ladder Step frame 3 ISA 40x40x6	26*2*2	0.300			0.16	4.992	
	Hinge post - ISMC 200X75	4*2	2.500			0.7	14.000	
	Gate frame vertical ISA 50x50x6	8*2	1.200			0.2	3.840	
	Gate frame horizontal ISA 50x50x6	5*2	1.500			0.2	3.000	
	MS Flat for Hand rail 1 - 50x8 mm	2*2	6.500	0.050		2.0	2.600	
BOTTOM BLOCK								

	Plates for pulley bracket	4*12	1.270	0.750		2.0	91.440		
	End Plate	4*12	0.440	0.130		2.0	5.492		
	Spacer (ID - 91,OD200)-8mm thick	8*12	0.200	0.200		2.0	7.681		
	Pulley bracketStiffener 1	2*12	0.300	0.110		2.0	1.584		
	Pulley bracketStiffener 2	2*12	0.250	0.110		2.0	1.320		
	Pulley bracketStiffener 3	4*12	0.200	0.130		2.0	2.497		
	Pulley bracketStiffener 4	4*12	0.110	0.100		2.0	1.056		
	Pulley bracketStiffener 5	4*12	0.750	0.110		2.0	7.920		
	Fixing plate	12*12	0.200	0.200		2.0	11.521		
	Lock plate	24*12	0.120	0.050		2.0	3.456		
	Plate 1-bottom	4*12	0.090	0.040		2.0	0.346		
	Fixing plate	4*12	1.215	0.350		2.0	40.824		
	Stiffner-1	2*12	0.900	0.150		2.0	6.480		
	Stiffner- 2	2*12	1.000	0.650		2.0	31.201		
	DRIVE UNITS- MS PLATES								
	Base plate for worm reducer	1*12	0.350	0.350		2.0	2.940		
	Support-1 for base plate	4*12	0.095	0.095		2.0	0.867		
	Support-2 for base plate	2*12	0.192	0.100		2.0	0.922		
	Base plate for EM Brake	1*12	0.350	0.125		2.0	1.050		
	Support for base plate	4*12	0.070	0.070		2.0	0.471		
	Base plate for Motor	1*12	0.250	0.250		2.0	1.500		
	Support-1 for Motor	2*12	0.070	0.070		2.0	0.236		
	Support-2 for Motor	1*12	0.100	0.075		2.0	0.180		
	Total Quantity						4035.971 sqm		
	Total Deducted Quantity						0.000 sqm		

		Net Total Quantity					4035.971 sqm	
		Say 4035.971 sqm @ Rs 556.86 / sqm					Rs 2247470.81	
10	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 RODS						
	Anchor bolt dia 25mm base plate hoisting 24	24*12	0.750			3.85	831.600	
	Pin for pulley Dia.90x180 long(Hoist side)	4*12	0.180			49.9	431.136	
	Handle for drive unit cover-16mm	2*12	0.300			1.58	11.376	
	Handle 1- for rope drum cover -16mm	4*12	0.300			1.58	22.752	
	Handle 2- for rope drum cover -16mm	2*12	0.400			1.58	15.169	
	Handle 3- for rope drum cover -16mm	2*12	0.280			1.58	10.618	
	Pin For bottom block Dia 90 (Shutter Side)	2*12	0.240			49.9	287.424	
		NUT, BOLT & WASHERS						
	Handrail Post M16x60LG	40*12	0.060			0.18	5.184	
	For Pulley Locking plate- M16x30LG	32*12	0.030			0.1	1.152	
	For Hoist Girder Splice Plate- M16x60LG	8*12	0.060			0.18	1.037	
	Nut & Washers for anchor rod dia 25M24	6*4*12	0.050			0.1	1.441	
	For Drum Unit-1 -M16x100LG	8*12	0.100			0.21	2.016	
	For Drum Unit-2- -M16x30LG	16*12	0.030			0.1	0.576	

For Drive Unit -1 M12x100 LG	14*12	0.100			0.14	2.353	
For Drive Unit -2 M22x135LG	4*12	0.135			0.56	3.629	
For Drive Unit -3 M20x100 LG	12*12	0.100			0.48	6.855	
For Bottom Block M16x40LG	48*12	0.040			0.11	2.535	
For Drum Unit Cover M12x 40LG	13*2*12	0.040			0.1	1.249	
For Drive Unit Cover M10 x 55LG	42*12	0.055			0.1	2.773	
HOISTING UNIT - MS SECTIONS							
Support-1 for pulley (ISMC 400x100)	2*12	2.490			49.41	2952.742	
Support for Drive unit (ISMC 200x75)	2*12	2.490			22.1	1320.697	
Support-1 for Drum(ISMC 200x75)	2*12	1.180			22.1	625.873	
Cross support (ISMC 150X75)	6*12	2.490			16.4	2940.192	
Support-2 for pulley (ISMC 150X75)	4*12	1.180			16.4	928.896	
Support-3 for pulley (ISMC 300x90)	4*12	2.490			35.8	4278.816	
Support for Drum (ISMC 200x75)	4*12	0.870			22.1	922.897	
Stiffner for pulley support(ISA75X75X8)	64*12	0.100			8.9	683.521	
Stiffner for hand rail post(ISA75X75X8)	2*12	12.000			8.9	2563.201	
H a n d r a i l post(ISA65X65X6)	20*12	1.250			5.8	1740.000	
Flat for hand rail (Middle)	2*12	12.000	0.050	8.000	7.85	904.320	
Support ladder slandISMC 200x75	2*2	6.500			22.1	574.600	

Support landing-1 ISMC 200x75	1*2	1.350			22.1	59.671	
Support landing-2 ISMC 200x75	1*2	1.000			22.1	44.200	
Hand rail post ladderISA 50x50x6	12*2	1.200			4.5	129.600	
ladder Step frame 1 &2- ISA 40x40x6	26*2*2	1.350			3.5	491.401	
ladder Step frame 3ISA 40x40x6	26*2*2	0.300			3.5	109.200	
Hinge post - ISMC 200X75	4*2	2.500			22.1	442.000	
Gate frame vertical ISA 50x50x6	8*2	1.200			4.5	86.400	
Gate frame horizontal ISA 50x50x6	5*2	1.500			4.5	67.500	
MS Flat for Hand rail 1 - 50x8 mm	2*2	6.500	0.050	8.000	7.85	81.640	
DRUM UNIT COVER - MS SECTIONS							
Frame Support-1 ISA 35x35x5	2*12	2.340			2.6	146.016	
Frame Support-2 ISA 35x35x5	2*12	0.540			2.6	33.697	
Frame Support-3 ISA 35x35x5	1*12	0.808			2.6	25.210	
Frame Support-4 ISA 35x35x5	2*12	0.093			2.6	5.804	
Frame Support-5 ISA 35x35x5	1*12	0.210			2.6	6.553	
Frame Support-6 ISA 35x35x5	1*12	0.088			2.6	2.746	
Frame Support-7 ISA 35x35x5	6*12	0.470			2.6	87.984	
MS Flat Support -1 50x5	1*12	1.040			7.85	97.968	
MS Flat Support -1 50x5	2*12	0.935			7.85	176.154	
DRIVE UNIT COVER- MS SECTIONS							

Frame Support-1 ISA 35x35x5	2*12	0.850			2.6	53.040	
Frame Support-2 ISA 35x35x5	2*12	1.050			2.6	65.521	
Frame Support-3 ISA 35x35x5	2*12	0.170			2.6	10.608	
Frame Support-4 ISA 35x35x5	2*12	1.200			2.6	74.880	
Frame Support-5 ISA 35x35x5	2*12	1.100			2.6	68.641	
Frame Support-6 ISA 35x35x5	2*12	0.850			2.6	53.040	
Frame Support-7 ISA 35x35x5	2*12	1.535			2.6	95.784	
Cross Support TopISA 35x35x5	2*12	0.780			2.6	48.672	
DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS Sections							
Support Frame-1 ISMC 300x90	1*2*12	1.500			35.8	1288.800	
Support Frame-2 ISMC 300x90	1*2*12	0.870			35.8	747.504	
Support Frame-3 ISMC 300x90	1*2*12	0.900			35.8	773.280	
Support Frame-4 ISMC 300x90	1*2*12	0.622			35.8	534.423	
Support Frame-5 ISMC 300x90	1*2*12	0.690			35.8	592.848	
Support Frame-6 ISMC 300x90	1*2*12	0.240			35.8	206.208	
DRIVE UNIT - MS SECTIONS							
Support frame-1 (ISMC 200X75)	2*12	1.600			22.1	848.641	
Support frame-2 (ISMC 200X75)	2*12	0.700			22.1	371.280	
Support frame-2 (ISMC 200X75)	1*12	0.700			22.1	185.640	

Support frame (vertical for plummer block ISA75X75X8	4*12	0.850				8.9	363.120	
Cross Support-1 for plummer block ISA 75X75X8	2*12	0.400				8.9	85.441	
Cross Support-2 for plummer block ISA 100x100x8	2*12	0.700				12.1	203.280	
Support for EM BrakeISA 75X75X8	2*12	0.700				8.9	149.520	
Support for Motor ISA 75X75X8	2*12	0.700				8.9	149.520	
Support for plummer block ISA 100x100x10	1*12	0.250				14.9	44.700	
DIAL GUAGE - MS SECTIONS								
Vertical Support for Guage- ISMC 100x50	2*12	0.925				9.2	204.240	
Support for GuageISA 50x50x6	2*12	0.050				4.5	5.400	
Other Engineering Organisations BOTTOM BLOCK								
Plates for pulley bracket	4*12	1.270	0.750	16.000		7.85	5742.432	
End Plate	4*12	0.440	0.130	10.000		7.85	215.530	
S p a c e r (I D - 91,OD200)-8mm thick	8	0.200	0.110	8.000		7.85	11.053	
Pulley bracketStiffener 1	2*12	0.300	0.110	12.000		7.85	74.607	
Pulley bracketStiffener 2	2*12	0.250	0.110	12.000		7.85	62.172	
Pulley bracketStiffener 3	4*12	0.200	0.130	12.000		7.85	117.562	
Pulley bracketStiffener 4	4*12	0.110	0.100	12.000		7.85	49.738	
Pulley bracketStiffener 5	4*12	0.750	0.110	8.000		7.85	248.688	
Fixing plate	12*12	0.200	0.200	12.000		7.85	542.593	
Lock plate	24*12	0.120	0.050	10.000		7.85	135.648	

	Plate 1-bottom	4*12	0.090	0.040	10.000	7.85	13.565	
	Fixing plate	4*12	1.215	0.350	20.000	7.85	3204.684	
	Stiffner-1	2*12	0.900	0.150	10.000	7.85	254.341	
	Stiffner- 2	2*12	1.000	0.650	10.000	7.85	1224.600	
	DRIVE UNIT COVER (1 No)- MS PLATES							
	Covate-plate-1	2*12	1.520	1.200	3.150	7.85	1082.472	
	Covate-plate-2	1*12	1.180	0.840	3.150	7.85	294.119	
	Covate-plate-3	1*12	1.080	0.840	3.150	7.85	269.194	
	Covate-plate-4	1*12	1.535	0.840	3.150	7.85	382.604	
	Stiffner Plate-1	1*12	0.150	0.150	8.000	7.85	16.956	
	Stiffner Plate-2	2*12	1.110	0.055	8.000	7.85	92.015	
	DRUM UNIT COVER-- MS PLATES							
	Cover plate-1	1*2*12	2.330	0.535	3.150	7.85	739.778	
	Cover plate-2	2*2*12	1.415	0.660	3.150	7.85	1108.465	
	Cover plate-3	1*2*12	0.310	0.210	3.150	7.85	38.635	
	DIAL GUAGE - MS PLATES							
	Base plate	1*12	0.470	0.300	8.000	7.85	106.258	
	Support for base plate	2*12	0.185	0.150	10.000	7.85	52.281	
	Stiffener for Support	1*12	0.170	0.150	10.000	7.85	24.021	
	Base plate for Plummer block	1*12	0.280	0.090	10.000	7.85	23.739	
	Stiffener for Plummer block	2*12	0.100	0.090	10.000	7.85	16.956	
	Support for Plummer block	2*12	0.276	0.230	10.000	7.85	119.597	
	DRUM UNIT (1 No x 2 Sides x 12 Hoists) - MS PLATES							
	Drum side Support	2*2*12	0.500	0.400	20.000	7.85	1507.200	
	Lock Plates for Drum Unit	2*2*12	0.330	0.120	20.000	7.85	298.426	
	Plummer block side support-1	1*2*12	0.600	0.060	10.000	7.85	67.824	
	Plummer block side support-2	1*2*12	1.500	0.060	10.000	7.85	169.560	
	Stiffener-1 for Drum Support	4*2*12	0.120	0.090	10.000	7.85	81.389	

	Stiffener-2 for Drum Support	2*2*12	0.090	0.060	10.000	7.85	20.348	
	Frame Support Stiffener-1	5*2*12	0.276	0.140	10.000	7.85	363.989	
	Frame Support Stiffener-2	1*2*12	0.273	0.080	10.000	7.85	41.147	
	Plummer block Support	4*2*12	0.255	0.090	50.000	7.85	864.756	
	Spacer	2*2*12	0.180	0.180	8.000	7.85	97.667	
LINE SHAFT (2 Sides x 12 Hoists) MS Plates								
	Base plate for plummer block	2*12	0.300	0.100	16.000	7.85	90.432	
	Support for Plummer block	2*12	0.400	0.308	10.000	7.85	232.109	
	Base support for Plummer block	2*12	0.400	0.100	16.000	7.85	120.577	
	Stiffener for support	1*12	0.308	0.080	10.000	7.85	23.211	
HOISTING BRIDGE- MS PLATES								
	Longitudinal Girder flange -16mm MS Plate	4*12	11.990	0.200	16.000	7.85	14457.063	
	Longitudinal Girder web -10mm MS Plate	2*12	11.990	0.900	10.000	7.85	20330.244	
	Anchoring plate	4*12	0.500	0.490	25.000	7.85	2307.900	
	Web Stiffner-1	16*12	0.900	0.245	10.000	7.85	3323.376	
	Web Stiffner-2	8*12	0.616	0.085	10.000	7.85	394.585	
	Web Stiffner-3	8*12	0.900	0.085	10.000	7.85	576.504	
	Web Stiffner-4	8*12	0.716	0.085	10.000	7.85	458.641	
	Web Stiffner-5	8*12	0.900	0.085	10.000	7.85	576.504	
	Web Stiffner-6	4*12	0.516	0.085	10.000	7.85	165.265	
	Web Stiffner-7	4*12	0.900	0.085	10.000	7.85	288.252	
	Web Stiffner-8	12*12	0.766	0.085	10.000	7.85	736.004	
	Web Stiffner-9	12*12	0.900	0.085	8.000	7.85	691.805	
	Plate-for fixing hand rail post	20*12	0.200	0.170	10.000	7.85	640.561	
	Lock plate for pulley	16*12	0.150	0.050	10.000	7.85	113.040	

Plate for pulley bracket	4*12	1.592	0.550	16.000	7.85	5278.818	
Plate for anchor rod (dia.100x16 thk.)	24*12	0.100	0.085	16.000	7.85	307.469	
Spacer OD: 200, ID:92 ,4 thk.	8*12	0.200	0.120	4.000	7.85	72.346	
Pulley fixing end plate	2*12	0.150	0.150	10.000	7.85	42.390	
HOISTING PLATFORM							
MS chequered plate1- 8mm	2*12	3.570	2.500		64.9	13901.580	
MS chequered plate2- 8mm	2*12	1.130	0.690		64.9	1214.461	
MS chequered plate3- 8mm	2*12	1.040	0.495		64.9	801.853	
MS chequered plate4- 8mm	2*12	0.800	0.495		64.9	616.810	
MS chequered plate5- 8mm	2*12	2.440	0.680		64.9	2584.370	
LADDER							
MS chequered plate 6mm-Steps	26*2	1.340	0.300		49.2	1028.477	
MS chequered plate 6mm-Landing area	1*2	1.340	1.000		49.2	131.857	
PLUMMER BLOCK							
For Line Shaft- SNA 515TC	2*12				1.2	28.800	
DRIVE UNITS- MS PLATES							
Base plate for worm reducer	1*12	0.350	0.350	10.000	7.85	115.395	
Support-1 for base plate	4*12	0.095	0.095	10.000	7.85	34.007	
Support-2 for base plate	2*12	0.192	0.100	10.000	7.85	36.173	
Base plate for EM Brake	1*12	0.350	0.125	10.000	7.85	41.213	
Support for base plate	4*12	0.070	0.070	10.000	7.85	18.464	
Base plate for Motor	1*12	0.250	0.250	10.000	7.85	58.875	

	Support-1 for Motor	2*12	0.070	0.070	10.000	7.85	9.232	
	Support-2 for Motor	1*12	0.100	0.075	10.000	7.85	7.065	
	Total Quantity						123026.742 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						123026.742 kg	
	Say 123026.742 kg @ Rs 3.40 / kg						Rs 418290.92	
SI No	Description	No	L	B	D	CF	Quantity	Remark
8 Appendix C 6- Supplying, stacking, erecting and trial run of rope drum hoisting Unit								
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel							
	HOIST UNIT- LINE SHAFT (Drawing No:- BHME -GK-RCB VACPPPP - 25T- RDH - RG -110)							
	65 mm Dia Line shaft (Dwg. item No : 1)	2*12	3.4245			26.03	2139.354	
	Total Quantity						2139.354 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						2139.354 kg	
	Say 2139.354 kg @ Rs 128.95 / kg						Rs 275869.70	
2	od86158/2020_2021 :Providing DIAL ASSEMBLY for hoisting mechanism of shutters including all accessories,labour etc complete							
	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 23312.81 / set						Rs 279753.72	
3	od86178/2020_2021 :Cost of supplying and stacking 20mm dia tested galvanised steel wire rope 6/36 construction,R.H. lay ungalvanized, main fibre core UTs 180KG/mm2 having breaking capacity 23853Kg tensile confirming to IS2266-1989							
	GALVANISED WIRE ROPE							
	20 mm Wire rope	1*12	110.000				1320.000	
	Total Quantity						1320.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1320.000 metre	

	Say 1320.000 metre @ Rs 408.84 / metre						Rs 539668.80	
4	od86259/2020_2021 Supplying and stacking of 25 Tonne capacity rope drum hoisting unit having 13.5 m lift at a hoisting speed of about 0.45 m/min(+/-10%) through pulley arrangements with 4 numbers of falls on either side with 20mm tested galvanized wire rope 6/36 construction, fibre core having breaking capacity 23853Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 5HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of Line shaft but including 2 nos. of plummer blocks with bearings for line shaft supported at proper intervals and including cost of electro magnetic thruster brake assembly manual operating systems, electrical accessories like DOL starters, limit switch, main switches and other safety equipments as per drawings specifications and statutory requirements etc complete but excluding cost of wire rope.							
	SUPPLY OF ROPE DRUM HOIST MECHANISM							
	For 12 no's Shutters	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 842246.76 / set						Rs 10106961.12	
5	od86261/2020_2021 :Conveying and erecting in position the already supplied rope drum hoisting units 25T 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							
	CONVEYING & ERECTING OF ROPE DRUM HOIST MECHANISM							
	For 12 no's Shutters	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 78206.47 / no						Rs 938477.64	
6	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	
9 Appendix D- Electrical									
1	90.14.1.2 Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices & complying to IS 8623. Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for the fabrication of panel assembly. The measurments will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc. Supply and fabrication of MV panel board using 1.6mm CRCA sheet, powder coated (excluding base frame)								
	90.14.1.2	8					8.000		
	Total Quantity						8.000 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						8.000 sqm		
	Say 8.000 sqm @ Rs 2377.26 / sqm						Rs 19018.08		
2	90.14.4 Supply and fabrication conveyance and installation of base frame of panel board using 75 x 40 mm rolled steel channel (ISMC)								
	90.14.4	4					4.000		
	Total Quantity						4.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						4.000 metre		
	Say 4.000 metre @ Rs 953.58 / metre						Rs 3814.32		
3	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	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 17713.50 / no						Rs 17713.50	
4	90.14.10.4 Supply, conveyance and fixing the following types & current rated control gears & switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as required.16 A-100A, 25/35 kA (Ics=100%Icu), 4 pole, current limiting type MCCB having thermal setting range of 80 - 100% with thermal magnetic release having adjustable OL							
	90.14.10.4	1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 7676.50 / no						Rs 7676.50	
5	2.10.5 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Triple pole and neutral							
	2.10.5	14					14.000	
	Total Quantity						14.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						14.000 each	
	Say 14.000 each @ Rs 1167.74 / each						Rs 16348.36	
6	90.14.11.17 MCCB AccessoriesSupply 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	
7	90.14.11.5 MCCB AccessoriesSupply 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	
8	90.14.2.2 Supply and providing 3mm SMC sheet as shrouding for bus interconnection / terminations etc. including							

	required nut & bolt etc.						
	90.14.2.2	0.5					0.500
	Total Quantity						0.500 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						0.500 sqm
	Say 0.500 sqm @ Rs 3932.69 / sqm						Rs 1966.35
9	90.14.3.3 Supply and providing heavy duty 'A' section neoprene gasket in the panel board Supply and providing 'U' section PVC beeding in the panel board						
	90.14.3.3	20					20.000
	Total Quantity						20.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						20.000 metre
	Say 20.000 metre @ Rs 4.31 / metre						Rs 86.20
10	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.						
	90.14.6	600					600.000
	Total Quantity						600.000 Cum cm
	Total Deducted Quantity						0.000 Cum cm
	Net Total Quantity						600.000 Cum cm
	Say 600.000 Cum cm @ Rs 6.00 / Cum cm						Rs 3600.00
11	90.14.7 Supply and providing copper earth bus in the panel board						
	90.14.7	150					150.000
	Total Quantity						150.000 Cum cm
	Total Deducted Quantity						0.000 Cum cm
	Net Total Quantity						150.000 Cum cm
	Say 150.000 Cum cm @ Rs 6.00 / Cum cm						Rs 900.00
12	od95817/2020_2021 Supply and installation of LED indicator (R,Y,B) in the existing panel board and giving connection						
	od95817/2020_2021	6					6.000
	Total Quantity						6.000 Day
	Total Deducted Quantity						0.000 Day
	Net Total Quantity						6.000 Day

	Say 6.000 Day @ Rs 192.73 / Day						Rs 1156.38	
13	od95826/2020_2021 Supply and fixing 2A 'C' curve SPMCB in the existing panel board and giving connection.							
	od95826/2020_2021	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 260.73 / each						Rs 1564.38	
14	od96423/2020_2021 Supply and installation of digital multi function meter (V,A,F) in the existing panel board and giving connection							
	od96423/2020_2021	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 1780.37 / each						Rs 1780.37	
15	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 required4 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	
16	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliampere in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps							
	2.15.2	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 2792.89 / each						Rs 2792.89	

17	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	
18	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group C							
	1.10.3	14					14.000	
	Total Quantity						14.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						14.000 point	
	Say 14.000 point @ Rs 992.12 / point						Rs 13889.68	
19	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2x1.5 sq.mm + 1x1.5 sq.mm earth wire							
	1.14.1	20					20.000	
	Total Quantity						20.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						20.000 metre	
	Say 20.000 metre @ Rs 146.79 / metre						Rs 2935.80	
20	1.12 Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single corecable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulatedcopper 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	

21	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).					
	1.31	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 410.22 / each						Rs 820.44
22	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					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 532.10 / each						Rs 532.10
23	1.33	Supplying and fixing 3 pin, 15 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.					
	1.33	11					11.000
	Total Quantity						11.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						11.000 each
	Say 11.000 each @ Rs 60.29 / each						Rs 663.19
24	1.58	Supplying and fixing PVC batten/ angle holder including connection etc. as required.					
	1.58	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 81.26 / each						Rs 243.78
25	90.3.20.4	Supply & installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all					

	accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required.1200 mm 2X20W LED Lamp with box type fixture						
	90.3.20.4	8					8.000
	Total Quantity						8.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						8.000 each
	Say 8.000 each @ Rs 1777.50 / each						Rs 14220.00
26	90.4.5.2 Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.1200mm sweep -5star rated ceiling fan complete with 300mm down rod , canopies, shackle and blades and resistance type regulator working on 230V/240V single phase A/C						
	90.4.5.2	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 1857.50 / each						Rs 5572.50
27	od96621/2020_2021 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.						
	od96621/2020_2021	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 4814.18 / each						Rs 4814.18
28	od96685/2020_2021 100A HRC fuse fuse base with fuse link 						
	od96685/2020_2021	3					3.000
	Total Quantity						3.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						3.000 each
	Say 3.000 each @ Rs 548.41 / each						Rs 1645.23

29	od96686/2020_2021 100 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.						
	od96686/2020_2021	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 343.98 / each						Rs 343.98
30	od96689/2020_2021 Supply and fixing 100A TPN SDF on wall using suitable steel fastners.						
	od96689/2020_2021	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
31	90.12.7.40 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp						
	90.12.7.40	1000					1000.000
	Total Quantity						1000.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						1000.000 metre
	Say 1000.000 metre @ Rs 227.32 / metre						Rs 227320.00
32	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	30					30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 363.45 / metre						Rs 10903.50
33	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	50					50.000
	Total Quantity						50.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						50.000 set
	Say 50.000 set @ Rs 266.05 / set						Rs 13302.50
34	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
35	4.1.1 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.100 mm width X 50 mm depth X 1.6 mm thickness						
	4.1.1	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 456.09 / metre						Rs 34206.75
36	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

37	5.4 Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.						
	5.4	3					3.000
	Total Quantity						3.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						3.000 set
	Say 3.000 set @ Rs 5670.97 / set						Rs 17012.91
38	5.13 Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.						
	5.13	30					30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 238.53 / metre						Rs 7155.90
39	5.14 Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.						
	5.14	6					6.000
	Total Quantity						6.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						6.000 metre
	Say 6.000 metre @ Rs 914.80 / metre						Rs 5488.80
40	5.17 Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.						
	5.17	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 114.02 / metre						Rs 34206.00
41	od97141/2020_2021 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. 						
	od97141/2020_2021	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
42	od97155/2020_2021 Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required.(MR)						
	od97155/2020_2021	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 156.00 / each						Rs 312.00
43	od97161/2020_2021 Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hose and clamps including fixing it to wall as required. (MR)						
	od97161/2020_2021	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 2324.00 / each						Rs 4648.00
44	od97205/2020_2021 Supply of 11KV electrical gloves (Vidyut)						
	od97205/2020_2021	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 573.85 / each						Rs 1147.70
45	od97240/2020_2021 Supply and providing 2.5mm thick, 11KV grade, synthetic elastometric fire retardant insulating sheet						
	od97240/2020_2021	2					2.000
	Total Quantity						2.000 sqm of door

							area
							Total Deducted Quantity 0.000 sqm of door area
							Net Total Quantity 2.000 sqm of door area
							Say 2.000 sqm of door area @ Rs 1652.54 / sqm of door area Rs 3305.08
46	od97247/2020_2021 Charges towards preparation of drawings, getting approvals from inspectorate and KSEB, KSEB charges for availing electric supply etc.						
	od97247/2020_2021	1					1.000
							Total Quantity 1.000 L.S
							Total Deducted Quantity 0.000 L.S
							Net Total Quantity 1.000 L.S
							Say 1.000 L.S @ Rs 500000.00 / L.S Rs 500000.00
47	od97435/2020_2021 Supply and installation 7M long single arm galvanised octagonal pole with 22x200x12mm base plate, 4nos. 20mm dia 600mm foundation bolt, space for mounting control switch box with inspection type door at bottom, including fixing smart pack junction box with 6A SP MCB and stud terminal inside pole etc. complete (Bajaj BOP7030/equivalent						
	od97435/2020_2021	10					10.000
							Total Quantity 10.000 each
							Total Deducted Quantity 0.000 each
							Net Total Quantity 10.000 each
							Say 10.000 each @ Rs 26334.29 / each Rs 263342.90
48	od97436/2020_2021 Supply and installation of 70W LED street light fitting aluminium casing, toughened glass cover, assemitris beam angle of 130x50 degree with typical luminaire efficiency >85 lumen/watt, IP66 protection on existing GI pipe and giving connection.(Bajaj /Havells/equivalent						
	od97436/2020_2021	10					10.000
							Total Quantity 10.000 each
							Total Deducted Quantity 0.000 each
							Net Total Quantity 10.000 each
							Say 10.000 each @ Rs 13611.46 / each Rs 136114.60
49	90.12.7.39 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 6 sq mm with						

factory made clamp							
90.12.7.39	150					150.000	
Total Quantity						150.000 metre	
Total Deducted Quantity						0.000 metre	
Net Total Quantity						150.000 metre	
Say 150.000 metre @ Rs 202.32 / metre						Rs 30348.00	
Provision for GST payments (in %) @						12.0%	
Amount reserved for GST payments						21256531.45	
Total						198394293.45	
Lumpsum for round off						5706.55	
TOTAL Rs 198400000.00							
Rounded Total Rs 19,84,00,000							
Rupees Nineteen Crore Eighty Four Lakh Only							

(Cost Index Applied for this estimate is 31.06%)

Other Engineering Organisations

PRICE