

TS Register No: 1109/2020-2021

AS Register No:1172/2020-2021

**KIIFB Project: Construction of Regulator with Lock across Konothupuzha at
Puthenkavu in Udayemperoor Grama Panchayath ,Ernakulam District.**

Detailed Estimate

(Dsr year: 2016, Cost Index Applied for this estimate is 39.89%)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 Appendix A: FOUNDATION , APRON , ABUTMENT , PIERS AND LOCKWALL (MoRTH)								
1	12.1.B.1 Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Ordinary Soil - Depth upto 3m - Mechanical Means							
	cutting silt ($b = 1.11 + 2.86$)/2	1	55.650	4.000	1.985		441.861	
	$b = (2.86 + 0.345)/2 = 1.602$	1	55.650	15.000	1.602		1337.270	
	$b = (0.345 + 0.455)/2 = 0.40$	1	55.650	15.000	0.400		333.901	
	$b = (0.455 + 0.67)/2 = 0.562$	1	55.650	15.000	0.562		469.130	
	$b = (0.67 + 2.22)/2 = 1.445$	1	55.650	14.000	1.445		1125.800	
	EW upto pile cap top lvl (d/s) DRY APRON AND SOLID APRON	1	50.850	29.650	0.750		1130.777	
	u/s	1	50.850	7.000	1.500		533.925	
	u/s	1	50.850	2.900	1.500		221.198	
		1	50.850	0.700	2.000		71.190	
		1	50.850	6.000	1.000		305.100	
	EW below pile cap top lvl (d/s)	1	50.850	10.900	1.000		554.265	
	dry apron and solid apron portions	1	50.850	0.700	2.000		71.190	
		1	50.850	4.550	1.400		323.915	
		1	50.850	6.000	1.600		488.161	
		1	50.850	5.000	1.800		457.651	
		1	50.850	5.000	2.100		533.926	

		1	50.850	4.000	0.100		20.341	
		1	50.850	2.900	0.600		88.479	
		1	50.850	0.700	2.000		71.190	
		1	50.850	5.900	1.000		300.016	
	EW for filling M Sand below apron(d/s)	1	50.850	10.900	2.100		1163.957	
		1	50.850	0.700	1.100		39.155	
		1	50.850	4.550	1.600		370.189	
		1	50.850	6.000	1.500		457.651	
		1	50.850	5.000	1.300		330.526	
		1	50.850	5.000	1.100		279.675	
	sand filling u/s	1	50.850	0.5*2	1.750		88.988	
		1	50.850	2.000	1.100		111.871	
		1	50.850	2.000	2.950		300.016	
		1	50.850	2.900	2.350		346.543	
		1	50.850	0.700	1.850		65.851	
		1	50.850	5.900	2.850		855.043	
		1	19.000	1.300	2.000		49.400	
		1	48.400	11.000	1.000		532.400	
		1	48.400	6.000	1.000		290.400	
		1	8.000	6.000	1.000		48.000	
	pile cap at l/s end	1	6.500	6.300	2.350		96.233	
	lock portion(r/s)	1	40.300	3.400	1.100		150.722	
	(l/s)	1	40.300	3.700	1.100		164.021	
	bottom slab(middle)	1	40.300	6.000	3.700		894.660	
	pile cap at r/s (for abutment)	1	4.300	1.100	1.600		7.569	
	end of lock chamber	1	8.000	6.000	1.600		76.801	
	pier portions(central portion)	3	4.300	3.300	0.600		-25.541	
	for piles 3nos(piers) 1 m d i a (b=3.14*0.5*0.5)	12	1.000	0.785	1.600		-15.072	

	for pile 3nos(abutment) 1m dia (b=3.14*0.5*0.5)	12	1.000	0.785	1.600		-15.072		
	piles at lock wallportion(b=3.14*0.5 *0.5)	48	3.140	0.785	1.100		-130.146		
	Total Quantity						15598.957 cum		
	Total Deducted Quantity						-185.831 cum		
	Net Total Quantity						15413.126 cum		
	Say 15413.126 cum @ Rs 66.95 / cum						Rs 1031908.79		
2	od126830/2020_2021 Filling with Quarry Muck Filling up low lying and water logged areas with local material/ quarry muck, spreading in layers, leveling the top at site and consolidation by ramming, etc complete for improving the CBR value of subgrade								
	Filling Quarry muck below apron(d/s)	1	50.850	10.900	0.500		277.133		
		1	50.850	0.700	0.500		17.798		
		1	50.850	4.550	0.500		115.684		
		1	50.850	6.000	0.500		152.550		
		1	50.850	5.000	0.500		127.125		
		1	50.850	5.000	0.500		127.125		
	Filling Quarry muck below apron(u/s)	1	50.850	4.000	0.500		101.700		
		1	50.850	3.000	0.500		76.275		
		1	50.850	0.700	0.500		17.798		
		1	50.850	6.000	0.500		152.550		
		1	50.850	1.000	0.500		25.425		
	Filling Quarry muck below gabions	1	48.400	11.000	0.500		266.200		
		1	48.400	6.000	0.500		145.200		
		1	8.000	6.000	0.500		24.000		
	bottom slab (middle)	1	40.300	6.000	0.500		120.900		
	100cm diameter piles(b=3.14*0.5*0.5= 0.785m)	12	3.140	0.500	0.500	0.5	-4.710		
	25 cm diameter coconut pile	65*15	3.140	0.250	0.250	0.5	-95.671		

		65*8	3.140	0.250	0.250	0.5	-51.025		
		11*8	3.140	0.250	0.250	0.5	-8.635		
	Total Quantity						1747.463 cum		
	Total Deducted Quantity						-160.041 cum		
	Net Total Quantity						1587.422 cum		
	Say 1587.422 cum @ Rs 1014.13 / cum						Rs 1609852.27		
3	od126817/2020_2021 DR PACKING Under foundation - Dry stone packing under foundation with good quality blasted rubble including conveyance of material and labour charges etc. complete as per direction of departmental officers at site.As per DAR 60.7.2								
	DR packing below apron(d/s)	1	50.850	10.900	1.500		831.398		
		1	50.850	0.700	0.500		17.798		
		1	50.850	4.550	1.000		231.368		
		1	50.850	6.000	0.900		274.591		
		1	50.850	5.000	0.700		177.975		
		1	50.850	5.000	0.500		127.125		
	DR packing below apron(u/s)	1	50.850	2.000	0.5*1.75		88.988		
		1	50.850	2.000	0.500		50.850		
		1	50.850	2.000	2.350		238.995		
		1	50.850	3.000	1.750		266.963		
		1	50.850	0.700	1.250		44.494		
		1	50.850	6.000	2.250		686.475		
		1	50.850	1.000	0.500		25.425		
	DR packing below gabions	1	48.400	11.000	0.500		266.200		
		1	48.400	6.000	0.500		145.200		
		1	8.000	6.000	0.500		24.000		
	bottom slab (middle)	1	40.300	6.000	0.500		120.900		
	100cm diameter piles(b=3.14*0.5*0.5=0.785m)	12	3.140	0.500	0.500	0.5	-4.710		
	25cm diameter coconut pile	65*15	3.140	0.250	0.250	0.5	-95.671		

		65*8	3.140	0.250	0.250	0.5	-51.025		
		11*8	3.140	0.250	0.250	0.5	-8.635		
	Total Quantity						3618.745 cum		
	Total Deducted Quantity						-160.041 cum		
	Net Total Quantity						3458.704 cum		
	Say 3458.704 cum @ Rs 2350.06 / cum						Rs 8128161.92		
4	12.39 Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap								
	PIER,ABUTMENT,LOCK & APRON								
	piers at centre	3	4.300	3.300	0.100		4.257		
	lockwalls	1	40.300	3.400	0.100		13.702		
		1	40.300	3.700	0.100		14.911		
	lock chamber floor	1	40.300	6.000	0.100		24.180		
	abutment at lock wall r/s	1	4.500	1.100	0.100		0.496		
	abutment at l/s	1	4.500	4.300	0.100		1.935		
	apron	1	51.000	21.000	0.100		107.101		
		1	19.000	1.300	0.100		2.470		
	toe wall base	2	51.000	0.700	0.100		7.140		
	deduction for piles								
	1.00m dia	72	3.140	0.500	0.500	0.1	-5.652		
	Total Quantity						176.192 cum		
	Total Deducted Quantity						-5.652 cum		
	Net Total Quantity						170.540 cum		
	Say 170.540 cum @ Rs 7673.17 / cum						Rs 1308582.41		
5	od46599/2020_2021 Providing hot rolled Z steel sheet pile conforming to IS 2314-1986 with thickness 8.5mm driving down vertically in lines and levels interlocking with adjacent piles with suitable pile driving unit and all accessories including all labour hire charges etc. complete and as per the directions of departmental officers at site.as per 60.65 OD irrigation								
	down stream side	1	71.100	7.000			497.700		
	upstream side	1	87.100	4.000			348.400		
	Total Quantity						846.100 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						846.100 sqm		

	Say 846.100 sqm @ Rs 15801.09 / sqm						Rs 13369302.25
6	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						
	Solid apron along intermediate piers						
	pier portion	1	51.000	6.000	1.600		489.600
		1	51.000	5.000	1.800		459.000
		1	51.000	5.000	2.100		535.500
		0.5	51.000	2.100	2.100		112.456
	above bed b=5+2=7 m	1	51.000	7.000	1.000		357.000
	a b o v e b e d (b=(2.5+1.5)/2=2.00m	1	51.000	2.000	0.500		51.000
	u/s small portion	1	19.000	1.300	1.600		39.520
	d/s small portion	1	2.900	1.300	1.600		6.032
	lock chamber inside	1	40.300	6.000	1.600		386.880
	toe wall	2	51.000	0.500	2.000		102.000
		2	51.000	0.700	0.300		21.420
	Other Engineering Organizations deduction (pier portion)						
	pile cap portion	3	4.300	3.300	1.600		-68.112
		1	4.500	1.000	1.600		-7.200
	pier portion(above pile cap)	3	2.000	(4+3)/2	0.750		-15.750
		3	2.000	(2.5+1.5)/2	0.500		-6.000
		1	51.000	0.750	0.750	0.5	-14.343
		3	2.000	(2.5+1.5)/2	0.500		-6.000
		3	2.000	(2.5+1.5)/2	0.500		-6.000
	Total Quantity						2560.408 cum
	Total Deducted Quantity						-123.405 cum
	Net Total Quantity						2437.003 cum
	Say 2437.003 cum @ Rs 8588.67 / cum						Rs 20930614.56
7	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								
for lock portion								
piers	4	2.000	2.000	5.400		86.400		
semi round portion	4*2	3.14/2	1.000	5.400		67.825		
cone portion	4		4.790	1.000		19.160		
top area= $(2*0.7)+(0.8*1.3)$ avg of top & btm area taken	0					0.000		
Extended portion [[$(0.8*1.3)+(2*0.7)$]	4	2.000	0.700	4.200		23.520		
	4	1.300	0.800	4.200		17.472		
projections at end(perimeter=7m) triangular part	4*0.5	7.000	0.250	0.250		0.875		
square portin	4	7.000	0.250	0.250		1.750		
deduction for groove	-7	0.600	0.600	5.400		-13.608		
abutment(l/s) bottom portion	1	4.300	$(1.7+1.5)/2$	5.400		37.152		
	1	2.450	0.900	5.200		11.467		
deduction for groove	-1	0.600	0.600	5.400		-1.944		
lock wall (abut side)	1	40.300	1.500	5.400		326.430		
lock wall(river side)	1	40.300	2.000	5.400		435.240		
deduction for pier bottom portin	-1	4.000	2.000	5.400		-43.200		
Total Quantity						968.539 cum		
Total Deducted Quantity						0.000 cum		
Net Total Quantity						968.539 cum		
Say 968.539 cum @ Rs 9404.07 / cum						Rs 9108208.55		
8	12.22 Providing Steel Liner 10mm thick for Curbs and 6 mm thick for Steining of Wells including Fabricating and Setting out as per Detailed Drawing.							
6mm thk liner for 10m								
Piles for left abutment and three piers	16		0.01895	10.000	7.85	23.802		
Piers for lock wall	56		0.01895	10.000	7.85	83.305		

		Total Quantity					107.107 MT	
		Total Deducted Quantity					0.000 MT	
		Net Total Quantity					107.107 MT	
		Say 107.107 MT @ Rs 98795.40 / MT					Rs 10581678.91	
9	12.24.3 Bored cast-in-situ M35 grade R.C.C. Pile Using Batching Plant, Transit Mixer and Concrete Pump excluding Reinforcement complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. Pile diameter-1000 mm							
	Piles for left abutment and three piers	16	27.000				432.000	
	Piers for lock wall	56	31.100				1741.601	
		Total Quantity					2173.601 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					2173.601 metre	
		Say 2173.601 metre @ Rs 11956.25 / metre					Rs 25988116.96	
10	12.38.C.2 Cement Concrete for Reinforced Concrete in Pile Cap complete as per Drawing and Technical Specification R C C Grade M-30- Using Batching Plant, Transit Mixer and Concrete Pump pile caps							
	pile cap for piers	4	4.300	3.300	1.500		85.140	
	pile cap for abutment	2	4.500	4.300	1.500		58.050	
	pile cap foe lockwall	1	36.000	3.400	1.000		122.400	
		1	36.000	3.700	1.000		133.201	
		Total Quantity					398.791 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					398.791 cum	
		Say 398.791 cum @ Rs 8719.21 / cum					Rs 3477142.48	
11	od132497/2020_2021 Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in substructure complete as per Drawing and Technical Specifications and as per 13.6 of MORTH specifications							
	apron, piers, abutment & lockwall							
	piers	1	203.390			0.07	14.238 70kg/m3	
	abutment	1	46.675			0.08	3.734 80kg/m3	

	lock wall (abutment side)	1	326.430			0.08	26.115	80kg/m3	
	lock wall(river side)	1	392.040			0.08	31.364	80kg/m3	
	Total Quantity						75.451 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						75.451 MT		
	Say 75.451 MT @ Rs 96861.10 / MT						Rs 7308266.86		
12	od132498/2020_2021 Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in Foundation complete as per Drawing and Technical Specifications and as per 12.40 of MORTH specification 								
	pile, pile cap and apron								
	piles (3 piers)	12*3.14	0.500	0.500	27.000	0.12	30.521	120kg/m3	
	piles(pier -lock wall)	4*3.14	0.500	0.500	31.100	0.12	11.719	120kg/m3	
	piles(left abutment)	4*3.14	0.500	0.500	27.000	0.15	12.717	150kg/m3	
	Piles(abutment lock wall)	4*3.14	0.500	0.500	31.100	0.15	14.649	150kg/m3	
	piles(lock wall abutment sides)	24*3.14	0.500	0.500	31.100	0.18	105.467	180kg/m3	
	piles(lock wall river sides)	24*3.14	0.500	0.500	31.100	0.18	105.467	180kg/m3	
	pile cap	1	398.791			0.08	31.904	75kg/m3	
	apron	1	2271.128			0.04	90.846	40kg/m3	
	Total Quantity						403.290 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						403.290 MT		
	Say 403.290 MT @ Rs 96566.42 / MT						Rs 38944271.52		
13	od45860/2020_2021 Coconut Pile - Supplying and stacking well matured straight coconut post for driving down throug various strata bellow bed level including cost coveyance labour charges etc complete.								
	coconut piles 15 rows @ 75 cm c/c below gabions	65*15			6.000		5850.000		
		65*8			6.000		3120.000		
		11*8			6.000		528.000		
	Total Quantity						9498.000 metre		

						Total Deducted Quantity	0.000 metre
						Net Total Quantity	9498.000 metre
						Say 9498.000 metre @ Rs 155.95 / metre	Rs 1481213.10
14	od45861/2020_2021 Coconut Pile - Driving down coconut pile to lines and levels through variuos strata including all hire charges and labour for fixing , staging platform and all other appliances necessary for pile driving down after pointing the bottom end						
		65*15			5.500		5362.500
		65*8			5.500		2860.000
		11*8			5.500		484.000
						Total Quantity	8706.500 metre
						Total Deducted Quantity	0.000 metre
						Net Total Quantity	8706.500 metre
						Say 8706.500 metre @ Rs 852.16 / metre	Rs 7419331.04
15	2.4.2.B Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Prestressed / reinforced cement concrete grade M-20 & above - By Mechanical Means						
						for existing damaged lock	
		2	4.500	2.000	5.000		90.000
						Total Quantity	90.000 cum
						Total Deducted Quantity	0.000 cum
						Net Total Quantity	90.000 cum
						Say 90.000 cum @ Rs 1148.71 / cum	Rs 103383.90
16	od45862/2020_2021 Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of ± 2%) Zinic+PVC coated, Mesh wire diameter 2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.						
						DRY APRON	
	Apron d/s	1	48.400	11.000	1.000		532.400

	Apron u/s	1	48.400	6.000	1.000		290.400		
	End of lock	1	8.000	6.000	1.000		48.000		
	Total Quantity						870.800 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						870.800 cum		
	Say 870.800 cum @ Rs 4280.94 / cum							Rs 3727842.55	
17	13.9.b Back filling behind abutment, wing wall and return wall complete as per drawing and Technical Specification :- Sandy material								
	abutment (r/s)	1	40.300	2.700	3.400		369.954		
	abutment(l/s)	2	4.500	2.000	3.400		61.200		
		1	4.300	2.000	3.400		29.240		
	between cc blocks (d/s & u/s)	3	49.200	0.075	0.900		9.964		
		33	4.650	0.075	0.900		10.358		
		33	4.650	0.075	0.900		10.358		
		33	3.075	0.075	0.900		6.850		
	Total Quantity						497.924 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						497.924 cum		
	Say 497.924 cum @ Rs 2421.60 / cum							Rs 1205772.76	
18	od131814/2020_2021 Cement Concrete Blocks (size 1.5 x 1.5 x 0.9 m) Providing and laying of apron with cement concrete blocks of size 1.5 x 1.5 x 0.9 m cast in-situ and made with nominal mix of M-15 grade cement concrete with a minimum cement content of 250 kg/cum as per IRC:21. & as per 15.3.a								
	CC blocks								
	cc blocks(d/s)	99	1.500	1.500	0.900		200.475		
	cc blocks(u/s)	66	1.500	1.500	0.900		133.650		
	Total Quantity						334.125 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						334.125 cum		
	Say 334.125 cum @ Rs 8103.69 / cum							Rs 2707645.42	
19	13.10 Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire								

	surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.							
	Loose stone Packing below cc blocks(u/s)	1	49.200	3.000	0.600		88.561	
	filter below cc blocks(d/s)	1	49.200	4.650	0.600		137.268	
	Total Quantity						225.829 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						225.829 cum	
	Say 225.829 cum @ Rs 3327.93 / cum						Rs 751543.10	
20	od45892/2020_2021 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
	abutment (l/s)	6	1.000	1.000	1.700		10.200	
	abutment(r/s)	6	1.000	1.000	1.500		9.000	
	Total Quantity						19.200 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						19.200 metre	
	Say 19.200 metre @ Rs 127.58 / metre						Rs 2449.54	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
2 Appendix B:RING BUND & DEWATERING								
1	od93139/2020_2021 RING BUND- Putting the ring bund using driving Z type MS sheet piles of 12 m and 9 m height respectively (400x185x7.5/8.5 or equalant- confirming to IS 2314 -1986) on one side driving with minimum driving length of 6m and 3m on other side for ensuring sufficient anchorage and horizontally braced with MS flats angles wherever necessary . Filled with earth ,and including dismantling the bund, driven out sheet pile after completion of the work etc .Complete as directed by the departmental officers at site.							
	Stage 1-long bund	1	66.000				66.000	
	main Cross bund	2	40.000				80.000	
	Stage 2-long bund	1	66.000				66.000	
	main cross bund	2	25.000				50.000	
	additional bund to prevent saline water	1	40.000				40.000	
	Total Quantity						302.000 per metre	
	Total Deducted Quantity						0.000 per metre	
	Net Total Quantity						302.000 per metre	

	Say 302.000 per metre @ Rs 41661.95 / per metre						Rs 12581908.90	
2	od93989/2020_2021 Putting up ring bund bottom width 3.50m and top width 2.50m ,3.50m average height with well matured coconut posts 7.50m long driven down 4.0m below ground level at 1m interval and 2.50m apart in to two rows and wailing pieces using half split coconut posts to 3 rows , cross stiffners 1.00m interval at top horizontally with arecanut posts and tying all the members and with coir yarn and screening with ettamat on each side,filling with cut earth /clay obtained from river bed and maintaining the bund during the period of execution and removing the bund on completion of the work etc complete as per the direction of the departmental officers 							
	Cross bund for middle portion							
	Cross bund	2	40.000				80.000	
	Cross bund	2	25.000				50.000	
	Total Quantity						130.000 per metre	
	Total Deducted Quantity						0.000 per metre	
	Net Total Quantity						130.000 per metre	
	Say 130.000 per metre @ Rs 11480.44 / per metre						Rs 1492457.20	
3	60.2.4 BAILING OUT WATER USING PUMP ABOVE 10HP AND UP TO 20HP - Bailing out water with engine and pump set above 10HP and up to 20HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
	Other Engineering Organisations 10HP Pump							
	2 pumps for (60daysx 8 hoursx 2 seasons)	2	960.000				1920.000	
	Total Quantity						1920.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						1920.000 hour	
	Say 1920.000 hour @ Rs 366.17 / hour						Rs 703046.40	
4	60.2.5 BAILING OUT WATER USING PUMP ABOVE 20HP AND UP TO 30HP -Bailing out water with engine and pump set above 25HP and up to 30HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
	1PUMP(for 2 seasonx 6hours x 30days)	1	2*6*30				360.000	
	Total Quantity						360.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						360.000 hour	
	Say 360.000 hour @ Rs 651.13 / hour						Rs 234406.80	

Sl No	Description	No	L	B	D	CF	Quantity	Remark	
3 APPENDIX C: CONSTRUCTION OF WATCH MAN ROOM									
1	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil								
	For pile cap								
		6	0.850	0.850	0.700		3.035		
	below plinth beam								
	long wall	2	6.000	0.430	0.700		3.612		
	short wall outside	2	3.150	0.430	0.700		1.897		
	short wall inside	1	3.600	0.430	0.700		1.084		
		1	1.800	0.430	0.700		0.542		
	deduction for pile cap	2	0.850	0.430	0.700		-0.511		
	Total Quantity							10.170 cum	
	Total Deducted Quantity							-0.511 cum	
	Net Total Quantity							9.659 cum	
	Say 9.659 cum @ Rs 232.78 / cum							Rs 2248.42	
2	2.31 Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared								
		1	15.000	15.000			225.000		
	Total Quantity							225.000 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							225.000 sqm	
	Say 225.000 sqm @ Rs 10.07 / sqm							Rs 2265.75	
3	20.3.3 Boring, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M -25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap):450 mm dia piles								
		6	15.000				90.000		
	Total Quantity							90.000 metre	
	Total Deducted Quantity							0.000 metre	

	Net Total Quantity						90.000 metre	
	Say 90.000 metre @ Rs 4022.05 / metre						Rs 361984.50	
4	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)							
	flooring							
	sitout	1	1.400	1.800	0.100		0.252	
	watch man room	1	3.600	3.600	0.100		1.297	
	toilet	1	1.800	2.000	0.100		0.361	
	plint beam							
	long	2	5.050	0.400	0.100		0.404	
	short	2	3.150	0.400	0.100		0.252	
		1	3.600	0.400	0.100		0.145	
		1	1.800	0.400	0.100		0.073	
	pile cap	6	0.850	0.850	0.100		0.434	
	for pile cap	2	0.650	0.400	0.100		-0.052	
	Total Quantity						3.218 cum	
	Total Deducted Quantity						-0.052 cum	
	Net Total Quantity						3.166 cum	
	Say 3.166 cum @ Rs 6264.48 / cum						Rs 19833.34	
5	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.							
	Available filling	9.659				0.75	7.245	
	Total Quantity						7.245 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						7.245 cum	
	Say 7.245 cum @ Rs 175.91 / cum						Rs 1274.47	
6	60.2.1 EARTH WORK FILLING- Supplying contractors own earth including cost of conveyance and royalty and filling (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.							
	flooring							

	sitout	1	1.400	1.800	0.800		2.016		
	watch man room	1	3.600	3.600	0.800		10.369		
	toilet	1	1.800	2.000	0.800		2.881		
	Available filling	9.659				0.75	-7.245		
	Total Quantity						15.266 cum		
	Total Deducted Quantity						-7.245 cum		
	Net Total Quantity						8.021 cum		
	Say 8.021 cum @ Rs 455.72 / cum						Rs 3655.33		
7	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)								
	For pilecap								
		6	0.650	0.650	0.600		1.521		
	for plinth beam								
	long wall	2	5.050	0.200	0.600		1.212		
	short wall outside	2	3.150	0.200	0.600		0.756		
	short wall inside	1	3.600	0.200	0.600		0.433		
		1	1.800	0.200	0.600		0.217		
	pilecap deduction	2	0.650	0.200	0.600		-0.156		
	Total Quantity						4.139 cum		
	Total Deducted Quantity						-0.156 cum		
	Net Total Quantity						3.983 cum		
	Say 3.983 cum @ Rs 8694.65 / cum						Rs 34630.79		
8	5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up tot floor five level excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3(1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)								
	col upto G lvl	6	0.200	0.300	0.900		0.324		
	G lvl to roof	6	0.200	0.300	3.300		1.188		
	Total Quantity						1.512 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1.512 cum		
	Say 1.512 cum @ Rs 9996.26 / cum						Rs 15114.35		

9	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).							
	DPC							
	long wall	2	5.400	0.200	0.150		0.324	
	short wall	3	3.600	0.200	0.150		0.325	
		1	1.800	0.200	0.150		0.055	
		2	0.300	0.200	0.150		-0.018	
	intel							
	long	2	5.400	0.200	0.150		0.324	
	short	3	3.600	0.200	0.150		0.325	
		1	1.800	0.200	0.150		0.055	
		1	1.400	0.200	0.150		-0.041	
		2	0.300	0.200	0.150		-0.018	
	roof beams							
	long	2	5.400	0.200	0.400		0.865	
	short	3	3.600	0.200	0.400		0.865	
		1	1.800	0.200	0.400		0.145	
		2	0.300	0.200	0.400		-0.048	
	roof							
	sitout	1	1.400	1.800	0.200		0.504	
	watchman	1	3.600	3.600	0.200		2.593	
	toilet	1	2.000	1.800	0.200		0.721	
	sunshade	2	7.200	0.600	0.100		0.865	
		2	4.000	0.600	0.100		0.480	
	Total Quantity						8.446 cum	
	Total Deducted Quantity						-0.125 cum	
	Net Total Quantity						8.321 cum	
	Say 8.321 cum @ Rs 10338.99 / cum						Rs 86030.74	
10	5.9.3 Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform							
	roof							

	sitout	1	1.400	1.800			2.520	
	watchman	1	3.600	3.600			12.960	
	toilet	1	2.000	1.800			3.600	
	sunshade	2	7.200		0.600		8.640	
		2	4.000		0.600		4.800	
	Total Quantity						32.520 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						32.520 sqm	
	Say 32.520 sqm @ Rs 590.76 / sqm						Rs 19211.52	
11	5.9.5 Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers							
	plinth beam							
	long wall	2*2	5.050		0.600		12.120	
	short wall	2*2	3.150		0.600		7.560	
		1*2	3.600		0.600		4.320	
		1*2	1.800		0.600		2.160	
	for pile cap	2*2	0.650		0.600		-1.560	
	pilecap							
		6	4*0.65		0.600		9.360	
		6*2	0.200		0.600		-1.440	
	DPC							
	long wall	2*2	5.400		0.150		3.240	
	short wall	3*2	3.600		0.150		3.240	
		1*2	1.800		0.150		0.540	
		2*2	0.300		0.150		-0.180	
	intel							
	long	2*2	5.400		0.150		3.240	
	short	3*2	3.600		0.150		3.240	
		1*2	1.800		0.150		0.540	
		1*2	1.400		0.150		-0.420	
		2*2	0.300		0.150		-0.180	
	roof beams							

	long	2*2	5.400		0.400		8.640		
	short	3*2	3.600		0.400		8.640		
		1*2	1.800		0.400		1.441		
		2*2	0.300		0.400		-0.480		
	Total Quantity						68.281 sqm		
	Total Deducted Quantity						-4.260 sqm		
	Net Total Quantity						64.021 sqm		
	Say 64.021 sqm @ Rs 479.68 / sqm						Rs 30709.59		
12	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts								
	Col plinth to GLVL	6	0.900	2*(0.3+0.2)			5.400		
	Col G LVL to roof	6	3.300	2*(0.3+0.2)			19.800		
	Total Quantity						25.200 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						25.200 sqm		
	Say 25.200 sqm @ Rs 654.48 / sqm						Rs 16492.90		
13	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more								
	pile	6	15.000	3.14*.45*0		100.0	1430.663		
	pile cap & plinth	1	3.983	.45/4		100.0	398.300		
	slab & beam	1	8.321			100.0	832.100		
	column	1	1.512			120.0	181.440		
	Total Quantity						2842.503 kilogram		
	Total Deducted Quantity						0.000 kilogram		
	Net Total Quantity						2842.503 kilogram		
	Say 2842.503 kilogram @ Rs 79.18 / kilogram						Rs 225069.39		
14	50.6.2.1 Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 (1 cement :6 coarse sand) etc complete								
	below DPC								

	long	2	5.400	0.200	0.750		1.620		
	short	3	3.600	0.200	0.750		1.620		
		1	1.800	0.200	0.750		0.270		
	step	2	1.800	0.300	0.200		0.217		
	Total Quantity							3.727 cum	
	Total Deducted Quantity							0.000 cum	
	Net Total Quantity							3.727 cum	
	Say 3.727 cum @ Rs 5396.83 / cum							Rs 20113.99	
15	50.6.2.2 Solid masonry using pre cast solid blocks (factory made) of size 30x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in : CM 1:6 (1 cement : 6 coarse sand) etc complete								
	above DPC								
	long wall	2	5.400	0.200	2.900		6.264		
	short wall	3	3.600	0.200	2.900		6.264		
		1	1.800	0.200	2.900		1.044		
	parappet	2	4.000	0.200	0.600		0.960		
		2	6.000	0.200	0.600		1.441		
	W1	3	1.500	1.500	0.200		-1.350		
	V	1	0.750	0.450	0.200		-0.067		
	D1	1	1.000	2.100	0.200		-0.420		
	D2	1	0.800	2.100	0.200		-0.336		
	opening	1	1.400	2.900	0.200		-0.812		
	Total Quantity							15.973 cum	
	Total Deducted Quantity							-2.985 cum	
	Net Total Quantity							12.988 cum	
	Say 12.988 cum @ Rs 5920.29 / cum							Rs 76892.73	
16	50.9.1.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood								
	W1 hor	3*2	1.800	0.100	0.070		0.076		
	vert	3*4	1.500	0.100	0.070		0.127		
	vent v hor	1*2	1.050	0.100	0.070		0.015		
	vert	1*2	0.450	0.100	0.070		0.007		

	D hor	1	1.300	0.100	0.070		0.010	
	ver	1*2	2.100	0.100	0.070		0.030	
	D1 hor	1	1.100	0.100	0.070		0.008	
	vert	1*2	2.100	0.100	0.070		0.030	
	Total Quantity						0.303 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.303 cum	
	Say 0.303 cum @ Rs 102160.33 / cum						Rs 30954.58	
17	50.9.2.1 Providing and fixing paneled and glazed shutters for doors, windows and clerestory windows, 35 mm thick shutters including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineerin - charge.using Anjili/ Jack wood							
	Door D1	1	0.900	2.050			1.845	
	Door D2	1	0.700	2.050			1.435	
	Total Quantity						3.280 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						3.280 sqm	
	Say 3.280 sqm @ Rs 2890.19 / sqm						Rs 9479.82	
18	50.9.6.1 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. Using Anjili wood / jack wood 30 mm thick shutters							
	W1	4*3	0.430	1.350			6.966	
	V	1	0.700	0.450			0.315	
	Total Quantity						7.281 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						7.281 sqm	
	Say 7.281 sqm @ Rs 3366.58 / sqm						Rs 24512.07	
19	9.48.2 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc							
	W1	3*3	0.430	1.350		17.16	89.653	
	V	1	0.700	0.400		17.16	4.805	
	Total Quantity						94.458 kg	

		Total Deducted Quantity				0.000 kg	
		Net Total Quantity				94.458 kg	
		Say 94.458 kg @ Rs 157.31 / kg				Rs 14859.19	
20	9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on th inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters						
	D1	2	0.750	2.050		3.075	
		Total Quantity				3.075 sqm	
		Total Deducted Quantity				0.000 sqm	
		Net Total Quantity				3.075 sqm	
		Say 3.075 sqm @ Rs 3872.30 / sqm				Rs 11907.32	
21	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)						
	outside long	2	6.000		3.300	39.600	
	short wall	1	4.000		3.300	13.200	
	front	1	2.400		3.300	7.920	
	sitout	1	1.400		3.300	4.620	
		1	2.000		3.300	6.600	
	watchman	4	3.600		3.300	47.520	
	toilet	2	2.000		3.300	13.200	
		2	1.800		3.300	11.880	
	W1	3	1.500	1.500		-6.750	
	V	1	0.750	0.450		-0.337	
	D1	1	1.000	2.100		-2.100	
	D2	1	0.800	2.100		-1.680	

		Total Quantity						144.540 sqm
		Total Deducted Quantity						-10.867 sqm
		Net Total Quantity						133.673 sqm
		Say 133.673 sqm @ Rs 241.94 / sqm						Rs 32340.85
22	5.23	Smooth finishing of the exposed surface of RCC work with 6mm thick cement mortar 1:3 (cement : 3 fine sand).						
		roof						
	sitout	1	1.400	1.800			2.520	
	watchman	1	3.600	3.600			12.960	
	toilet	1	2.000	1.800			3.600	
	sunshade	2	7.200		0.600		8.640	
		2	4.000		0.600		4.800	
		Total Quantity						32.520 sqm
		Total Deducted Quantity						0.000 sqm
		Net Total Quantity						32.520 sqm
		Say 32.520 sqm @ Rs 201.16 / sqm						Rs 6541.72
23	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer -in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.						
	toilet	2	2.000	1.500			6.000	
		2	1.800	1.500			5.400	
	Door sides	2	0.200	1.500			0.601	
		1	0.800	1.500			-1.200	
		Total Quantity						12.001 sqm
		Total Deducted Quantity						-1.200 sqm
		Net Total Quantity						10.801 sqm
		Say 10.801 sqm @ Rs 1041.90 / sqm						Rs 11253.56
24	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.						

tile								
	sitout	1	1.400	1.800			2.520	
	watch	1	3.600	3.600			12.960	
	toilet	1	1.800	2.000			3.600	
	steps tread	2	1.800	0.300			1.080	
	rise	3	1.800	0.200			1.080	
	skirting 10 % of 21.24	1	21.240			0.1	2.124	
	Total Quantity						23.364 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						23.364 sqm	
	Say 23.364 sqm @ Rs 962.93 / sqm						Rs 22497.90	
25	9.55.2 Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc, complete:100x58x1.90mm.							
	Windows	3	9.000				27.000	
	vent	1	2.000				2.000	
	Total Quantity						29.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						29.000 no	
	Say 29.000 no @ Rs 38.33 / no						Rs 1111.57	
26	9.63.1 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:250x10 mm							
	Door	2	4.000				8.000	
	Total Quantity						8.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						8.000 no	
	Say 8.000 no @ Rs 89.53 / no						Rs 716.24	
27	9.66.2 Providing and fixing ISI marked oxidised M.S. handles conforming to IS : 4992 with necessary screws etc. complete:100 mm							
	Door	2	1.000				2.000	
	Total Quantity						2.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						2.000 no	

	Say 2.000 no @ Rs 31.69 / no						Rs 63.38	
28	13.48.1 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm							
	vide item 21	1	133.673				133.673	
	item 22	1	32.520				32.521	
	Total Quantity						166.194 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						166.194 sqm	
	Say 166.194 sqm @ Rs 138.42 / sqm						Rs 23004.57	
29	13.48.2 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture							
	W1	3	1.500	1.500		1.3	8.775	
	V	1	0.750	0.450		1.3	0.439	
	D1	1	1.000	2.100		1.3	2.731	
	D2	1	0.800	2.100		1.3	2.184	
	Total Quantity						14.129 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						14.129 sqm	
	Say 14.129 sqm @ Rs 123.94 / sqm						Rs 1751.15	
30	13.61.1 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work							
	GRILL WORK							
	Window	3*3	0.430	1.350			5.225	
	V	1	0.550	0.400			0.221	
	Total Quantity						5.446 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						5.446 sqm	
	Say 5.446 sqm @ Rs 109.67 / sqm						Rs 597.26	
31	17.3.1 Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10							

	litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid							
		1	1.000				1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 6426.20 / each					Rs 6426.20	
32	17.7.3 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps							
		1					1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 2931.12 / each					Rs 2931.12	
33	50.18.7.2.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer -in-Charge 20 mm dia 10 Kg/cm ² - Internal work - Exposed on wall							
		1	50.000				50.000	
		Total Quantity					50.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					50.000 metre	
		Say 50.000 metre @ Rs 177.76 / metre					Rs 8888.00	
34	50.18.7.4.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 32 mm dia 10Kg/cm ² - Internal work - Exposed on wall							
		1	50.000				50.000	
		Total Quantity					50.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					50.000 metre	
		Say 50.000 metre @ Rs 244.03 / metre					Rs 12201.50	

35	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend								
		1	15.000				15.000		
		Total Quantity					15.000	no	
		Total Deducted Quantity					0.000	no	
		Net Total Quantity					15.000	no	
		Say 15.000 no @ Rs 156.48 / no					Rs 2347.20		
36	18.48 Providing and placing on terrace (at all floor levels) polyethylene water storage tank :ISI 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.								
		1	1000.000				1000.000		
		Total Quantity					1000.000	Litre	
		Total Deducted Quantity					0.000	Litre	
		Net Total Quantity					1000.000	Litre	
		Say 1000.000 Litre @ Rs 10.14 / Litre					Rs 10140.00		
37	51.19.ST1 Supplying and installing ready made PVC Septic tank including the cost of carriage, trenching, placing at the level below ground level as specified as per the direction of engineer in charge (Provision for CC/RCC/Sand/06mm aggregate for the preparation of bed shall be paid separately) 1. Below 15 flush capacity								
		1					1.000		
		Total Quantity					1.000	each	
		Total Deducted Quantity					0.000	each	
		Net Total Quantity					1.000	each	
		Say 1.000 each @ Rs 17053.20 / each					Rs 17053.20		
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
4 Appendix D:ROAD FORMATION(CPWD)									
1	60.2.1 EARTH WORK FILLING- Supplying contractors own earth including cost of conveyance and royalty and filling (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.								
		1	10.000	5.000	3.000		150.000		
		1	30.000	5.000	0.750		112.500		
		Total Quantity					262.500	cum	
		Total Deducted Quantity					0.000	cum	

		Net Total Quantity					262.500 cum	
		Say 262.500 cum @ Rs 455.72 / cum					Rs 119626.50	
2	16.1 Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.							
		1	40.000	4.000			160.000	
		Total Quantity					160.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					160.000 sqm	
		Say 160.000 sqm @ Rs 126.04 / sqm					Rs 20166.40	
3	16.78.2 Construction of granular sub- base by Providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, Carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in- Charge.With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBRValue-25							
		1	40.000	4.000	0.150		24.000	
		Total Quantity					24.000 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					24.000 cum	
		Say 24.000 cum @ Rs 2909.92 / cum					Rs 69838.08	
4	16.4 Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/ vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.							
		1	40.000	4.000	0.250		40.000	
		Total Quantity					40.000 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					40.000 cum	
		Say 40.000 cum @ Rs 628.25 / cum					Rs 25130.00	
5	51.16.PC.1pb Primer Coat - Bitumen Emulsion (SS-1) - Using Packed Bitumen Rates Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical							

	means as per Technical Specification Clause 502 (low porosity).							
		1	40.000	4.000			160.000	
	Total Quantity						160.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						160.000 sqm	
	Say 160.000 sqm @ Rs 53.13 / sqm						Rs 8500.80	
6	51.16.31.1.3pb Tack Coat - RS Bitumen Emulsion - Using Packed Bitumen Rates Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.							
		1	40.000	4.000			160.000	
	Total Quantity						160.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						160.000 sqm	
	Say 160.000 sqm @ Rs 11.57 / sqm						Rs 1851.20	
7	16.33.3 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately):With Refinery Modified Bitumen CRMB 55 conforming to IRC:SP:53 - 1999							
		1	40.000	4.000			160.000	
	Total Quantity						160.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						160.000 sqm	
	Say 160.000 sqm @ Rs 248.86 / sqm						Rs 39817.60	
SI No	Description	No	L	B	D	CF	Quantity	Remark
5 Appendix E Mechanical Works, E 1-Cost of supplying and stacking materials for Embedded Parts								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	(9 x3m) 1 nos Primary Embedded Parts							
	Plate for side guide and roller track	46*1	0.150	0.100	10.000	7.85	54.165	
	Plate for Sill Beam	22*1	0.230	0.100	10.000	7.85	39.721	
	Plate for side seal and Roller track	76*1	0.100	0.100	10.000	7.85	59.661	

(9x3) 1 Nos Secondary Embedded Parts								
Sill Alignment plate	22*1	0.230	0.100	10.000	7.85	39.721		
Rib plate sill beam	46*1	0.200	0.047	8.000	7.85	27.155		
End plate sill Beam	2*1	0.141	0.200	8.000	7.85	3.542		
End plate seal end-1	2*1	0.400	0.100	8.000	7.85	5.025		
Roller track alignment stiffener plate	22*1	0.090	0.200	8.000	7.85	24.869		
Seal track supporting plate	22*1	0.232	0.200	8.000	7.85	64.107		
Roller track Flange	4*1	9.850	0.200	16.000	7.85	989.728		
Roller track Web	2*1	9.850	0.200	16.000	7.85	494.864		
Fab seal track plate	2*1	9.850	0.255	8.000	7.85	315.476		
Side guide plate	2*1	9.850	0.120	20.000	7.85	371.148		
Side guide base plate	30*1	0.200	0.100	8.000	7.85	37.681		
(12 x3m) 3 nos Primary Embedded Parts								
Plate for side guide and roller track	46*3	0.150	0.100	10.000	7.85	162.495		
Plate for sill beam	26*3	0.230	0.100	10.000	7.85	140.829		
Plate for side seal and Roller track	76*3	0.100	0.100	10.000	7.85	178.981		
(12x3) 3 Nos Secondary Embedded Parts								
Sill Alignment plate	26*3	0.230	0.100	10.000	7.85	140.829		
Rib plate sill beam	50*3	0.200	0.047	8.000	7.85	88.548		
End plate sill Beam	2*3	0.141	0.200	8.000	7.85	10.626		
End plate seal end-1	2*3	0.400	0.100	8.000	7.85	15.073		
Roller track alignment stiffener plate	22*3	0.090	0.200	8.000	7.85	74.607		
Seal track supporting plate	22*3	0.232	0.200	8.000	7.85	192.319		
Roller track Flange	4*3	9.850	0.200	16.000	7.85	2969.184		
Roller track Web	2*3	9.850	0.200	16.000	7.85	1484.592		
Fab seal track plate	2*3	9.850	0.255	8.000	7.85	946.428		
Side guide plate	2*3	9.850	0.120	20.000	7.85	1113.444		
Side guide base plate	30*3	0.200	0.100	8.000	7.85	113.040		
Total Quantity						10157.858 kg		

		Total Deducted Quantity					0.000 kg	
		Net Total Quantity					10157.858 kg	
		Say 10157.858 kg @ Rs 64.19 / kg					Rs 652032.91	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
(12 x 3) Primary and Secondary Embedded Parts								
	Sill Beam ISMB 200 x 100	1*3	12.900			25.4	982.980	
	ISA for Sill ISA 75x75x8	4*3	0.140			8.9	14.953	
	ISA for Roller track ISA 75x75x8	22*3	0.800			8.9	469.921	
	Alignment primary sill ISA 50x50x6	1*3	12.900			4.5	174.150	
	Alignment primary roller& seal ISA 50x50x6	6*3	9.850			4.5	797.850	
	Alignment primary side guide ISA 50x50x6	2*3	9.850			4.5	265.950	
(9x3) Primary & Secondary Embedded Parts								
	Sill Beam ISMB 200 x 100	1*1	9.600			25.4	243.840	
	ISA for Sill ISA 75x75x8	4*1	0.140			8.9	4.985	
	ISA for Roller track ISA 75x75x8	22*1	0.800			8.9	156.641	
	Alignment primary sill ISA 50x50x6	1*1	9.600			4.5	43.200	
	Alignment primary roller& seal ISA 50x50x6	6*1	9.850			4.5	265.950	
	Alignment primary side guide ISA 50x50x6	2*1	9.850			4.5	88.650	
		Total Quantity					3509.070 kg	
		Total Deducted Quantity					0.000 kg	

	Net Total Quantity						3509.070 kg	
	Say 3509.070 kg @ Rs 66.14 / kg						Rs 232089.89	
3	85.107 Supply of MS round bar including cost of conveyance charges							
	(9x3M) Primary & secondary Embedded parts.							
	Anchoring rods- sill beam ISRO 16mm	40*1	0.296			1.58	18.708	
	Anchoring rods- Roller track ISRO 16mm	74*1	0.296			1.58	34.609	
	Anchoring rods- Side guide ISRO 16mm	112*1	0.296			1.58	52.381	
	Anchoring rods- Side seal seat ISRO 16mm	60*1	0.296			1.58	28.061	
	(12x3M) Primary & secondary Embedded parts.							
	Anchoring rods- sill beam ISRO 16mm	52*3	0.296			1.58	72.959	
	Anchoring rods- Roller track ISRO 16mm	74*3	0.296			1.58	103.825	
	Anchoring rods- Side guide ISRO 16mm	112*3	0.296			1.58	157.141	
	Anchoring rods- Side seal seat ISRO 16mm	60*3	0.296			1.58	84.183	
	Total Quantity						551.867 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						551.867 kg	
	Say 551.867 kg @ Rs 64.19 / kg						Rs 35424.34	
4	od95209/2020_2021 Supply of MS Bolts and Nuts							
	(12x3 (3 Nos)) Nuts & bolts							
	Nut & bolt M16 x60mm W/2 Nuts	4*3				0.15	1.800	
	Nut & bolt M16 x130mm W/2 Nuts	52*3				0.26	40.560	
	Nut & bolt M16 x145mm W/2 Nuts	14*3				0.28	11.761	
	Nut & bolt M16 x160mm W/2 Nuts	60*3				0.31	55.800	

	Nut & bolt M16 x110mm W/2 Nuts	76*3				0.23	52.441		
	Nut & bolt M16 x330mm W/2 Nuts	30*3				0.57	51.300		
	Nut & bolt M16 x125mm W/2 Nuts	30*3				0.25	22.500		
	M16 Washer	516*3				0.01	15.480		
	(9 x 3(1 Nos)) Nuts and Bolts								
	Nut & bolt M16 x60mm W/2 Nuts	4*1				0.15	0.600		
	Nut & bolt M16 x130mm W/2 Nuts	50*1				0.26	13.000		
	Nut & bolt M16 x145mm W/2 Nuts	14*1				0.28	3.921		
	Nut & bolt M16 x160mm W/2 Nuts	56*1				0.31	17.360		
	Nut & bolt M16 x110mm W/2 Nuts	72*1				0.23	16.561		
	Nut & bolt M16 x330mm W/2 Nuts	30*1				0.57	17.100		
	Nut & bolt M16 x125mm W/2 Nuts	30*1				0.25	7.500		
	M16 Washer	502*1				0.01	5.021		
	Total Quantity						332.705 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						332.705 kg		
	Say 332.705 kg @ Rs 83.01 / kg						Rs 27617.84		
5	85.108 Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of depl't officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied								
	(9 x3m) 1 nos Primary Embedded Parts								
	Plate for side guide and roller track	46*1	0.150	0.100	10.000	7.85	54.165		
	Plate for Sill Beam	22*1	0.230	0.100	10.000	7.85	39.721		

	Plate for side seal and Roller track	76*1	0.100	0.100	10.000	7.85	59.661	
	(12x3) 3 Nos Secondary Embedded Parts							
	Sill Alignment plate	26*3	0.230	0.100	10.000	7.85	140.829	
	Rib plate sill beam	50*3	0.200	0.047	8.000	7.85	88.548	
	End plate sill Beam	2*3	0.141	0.200	8.000	7.85	10.626	
	End plate seal end-1	2*3	0.400	0.100	8.000	7.85	15.073	
	Roller track alignment stiffener plate	22*3	0.090	0.200	8.000	7.85	74.607	
	Seal track supporting plate	22*3	0.232	0.200	8.000	7.85	192.319	
	Roller track Flange	4*3	9.850	0.200	16.000	7.85	2969.184	
	Roller track Web	2*3	9.850	0.200	16.000	7.85	1484.592	
	Fab seal track plate	2*3	9.850	0.255	8.000	7.85	946.428	
	Side guide plate	2*3	9.850	0.120	20.000	7.85	1113.444	
	Side guide base plate	30*3	0.200	0.100	8.000	7.85	113.040	
	(12 x3m) 3 nos Primary Embedded Parts							
	Plate for side guide and roller track	46*3	0.150	0.100	10.000	7.85	162.495	
	Plate for sill beam	26*3	0.230	0.100	10.000	7.85	140.829	
	Plate for side seal and Roller track	76*3	0.100	0.100	10.000	7.85	178.981	
	(9x3) 1 Nos Secondary Embedded Parts							
	Sill Alignment plate	22*1	0.230	0.100	10.000	7.85	39.721	
	Rib plate sill beam	46*1	0.200	0.047	8.000	7.85	27.155	
	End plate sill Beam	2*1	0.141	0.200	8.000	7.85	3.542	
	End plate seal end-1	2*1	0.400	0.100	8.000	7.85	5.025	
	Roller track alignment stiffener plate	22*1	0.090	0.200	8.000	7.85	24.869	
	Seal track supporting plate	22*1	0.232	0.200	8.000	7.85	64.107	
	Roller track Flange	4*1	9.850	0.200	16.000	7.85	989.728	
	Roller track Web	2*1	9.850	0.200	16.000	7.85	494.864	
	Fab seal track plate	2*1	9.850	0.255	8.000	7.85	315.476	
	Side guide plate	2*1	9.850	0.120	20.000	7.85	371.148	

	Side guide base plate	30*1	0.200	0.100	8.000	7.85	37.681	
	(9x3) Primary & Secondary Embedded Parts							
	Sill Beam ISMB 200 x 100	1*1	9.600			25.4	243.840	
	ISA for Sill ISA 75x75x8	4*1	0.140			8.9	4.985	
	ISA for Roller track ISA 75x75x8	22*1	0.800			8.9	156.641	
	Alignment primary sill ISA 50x50x6	1*1	9.600			4.5	43.200	
	Alignment primary roller& seal ISA 50x50x6	6*1	9.850			4.5	265.950	
	Alignment primary side guide ISA 50x50x6	2*1	9.850			4.5	88.650	
	(12 x 3) Primary and Secondary Embedded Parts							
	Sill Beam ISMB 200 x 100	1*3	12.900			25.4	982.980	
	ISA for Sill ISA 75x75x8	4*3	0.140			8.9	14.953	
	ISA for Roller track ISA 75x75x8	22*3	0.800			8.9	469.921	
	Alignment primary sill ISA 50x50x6	1*3	12.900			4.5	174.150	
	Alignment primary roller& seal ISA 50x50x6	6*3	9.850			4.5	797.850	
	Alignment primary side guide ISA 50x50x6	2*3	9.850			4.5	265.950	
	(12x3M) Primary & secondary Embedded parts.							
	Anchoring rods- sill beam ISRO 16mm	52*3	0.296			1.58	72.959	
	Anchoring rods- Roller track ISRO 16mm	74*3	0.296			1.58	103.825	
	Anchoring rods- Side guide ISRO 16mm	112*3	0.296			1.58	157.141	

	Anchoring rods- Side seal seat ISRO 16mm	60*3	0.296			1.58	84.183		
	(9x3M) Primary & secondary Embeded parts.								
	Anchoring rods- sill beam ISRO 16mm	40*1	0.296			1.58	18.708		
	Anchoring rods- Roller track ISRO 16mm	74*1	0.296			1.58	34.609		
	Anchoring rods- Side guide ISRO 16mm	112*1	0.296			1.58	52.381		
	Anchoring rods- Side seal seat ISRO 16mm	60*1	0.296			1.58	28.061		
	Total Quantity						14218.795 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						14218.795 kg		
	Say 14218.795 kg @ Rs 78.09 / kg						Rs 1110345.70		
6	od95262/2020_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 de ptl officer at site including cost of all materials, labour, machinery for planning, welding, grinding etc, lead and lift, conveyance, incidental and handling etc complete								
	(12x3)(3nos) SS Embededd parts.								
	Sill beam Pad SS Plate 120x 8mm	1*3	12.800	0.120	8.000	7.85	289.383		
	Roller track SS pad 120x12mm	4*3	9.850	0.120	12.000	7.85	1336.133		
	Side seal seat SS plate 80x8 mm	2*3	6.000	0.080	8.000	7.85	180.864		
	(9x3)(1nos) SS Embededd parts.								
	Sill beam Pad SS Plate 120x 8mm	1*1	9.600	0.120	8.000	7.85	72.346		
	Roller track SS pad 120x12mm	4*1	9.850	0.120	12.000	7.85	445.378		
	Side seal seat SS plate 80x8 mm	2*1	6.000	0.080	8.000	7.85	60.288		
	Total Quantity						2384.392 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						2384.392 kg		

		Say 2384.392 kg @ Rs 513.36 / kg					Rs 1224051.48	
SI No	Description	No	L	B	D	CF	Quantity	Remark
6 Appendix E 2-Supply of materials, fabrication,painting and erection of 12x3H 3 Nos,9x3H 1 Nos of MS shutter.								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges	(12 X 3 M) Shutter (3 Nos)						
	Skin plate 10mm plate	1*3	12.350	1.700	10.000	7.85	4944.323	
	Skin plate 10mm plate	1*3	12.350	1.300	10.000	7.85	3780.953	
	End box plate 12mm plate	4*3	1.700	0.490	12.000	7.85	941.624	
	End box plate 12mm plate	4*3	1.300	0.490	12.000	7.85	720.065	
	Stiffener plate Roller 8mmplate	8*3	0.200	0.200	10.000	7.85	75.361	
	Roller support plate-1 8mm plate	8*3	0.200	0.200	10.000	7.85	75.361	
	Roller support plate-2 Dia 180x20mm plate	8*3	0.180	0.180	20.000	7.85	122.084	
	Roller support plate-3 10 mm plate	8*3	0.200	0.200	10.000	7.85	75.361	
	Roller support plate-1 10mm plate	8*3	0.200	0.320	10.000	7.85	120.576	
	End box stiffener plate 8mm plate	20*3	0.485	0.170	8.000	7.85	310.672	
	Horizontal girder web 10 mm plate	4*3	11.936	1.000	10.000	7.85	11243.712	
	Horizontal girder flange 12 mm plate	2*3	12.790	0.240	12.000	7.85	1734.938	
	Horizontal girder flange-1 12 mm plate	2*3	12.790	0.200	12.000	7.85	1445.782	
	Web stiffener 8 mm plate	32*3	0.850	0.090	8.000	7.85	461.204	
	Pad plate Web 10 mm plate	4*3	0.912	0.175	10.000	7.85	150.344	
	Full depth stiffener web-1 8 mm plate	3*3	1.000	0.570	8.000	7.85	322.164	

Full depth stiffener web-2 8 mm plate	3*3	1.000	0.692	8.000	7.85	391.119	
Full depth stiffener web-3 8 mm plate	5*3	1.000	0.684	8.000	7.85	644.329	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.316	8.000	7.85	297.672	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.492	8.000	7.85	463.464	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.341	8.000	7.85	321.222	
Vertical stiffener-1 10 mm plate	24*3	0.570	0.150	10.000	7.85	483.246	
Vertical stiffener-2 10 mm plate	24*3	0.692	0.150	10.000	7.85	586.678	
Vertical stiffener-3 10 mm plate	24*3	0.316	0.150	10.000	7.85	267.905	
Vertical stiffener-4 10 mm plate	24*3	0.366	0.150	10.000	7.85	310.295	
Vertical stiffener-5 10 mm plate	24*3	0.492	0.150	10.000	7.85	417.118	
Vertical stiffener-6 10 mm plate	24*3	0.341	0.150	10.000	7.85	289.100	
Full depth stiffener flange 10 mm plate	3*3	0.474	0.150	10.000	7.85	50.233	
Full depth stiffener flange 10 mm plate	5*3	0.500	0.150	10.000	7.85	88.313	
Full depth stiffener flange 10 mm plate	5*3	0.220	0.150	10.000	7.85	38.858	
Full depth stiffener flange 10 mm plate	5*3	0.250	0.150	10.000	7.85	44.157	
Full depth stiffener flange 10 mm plate	5*3	0.260	0.150	10.000	7.85	45.923	
Vertical seal seat - 20 mm plate	2*3	3.000	0.105	20.000	7.85	296.730	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.250	10.000	7.85	134.235	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.450	10.000	7.85	241.623	

	Splice plate 10mm U/S	1*3	11.869	0.150	10.000	7.85	419.273	
	Splice plate 10mm D/S	1*3	12.080	0.150	10.000	7.85	426.726	
	Splice plate 10mm End box	4*3	0.450	0.150	10.000	7.85	63.586	
	Splice plate 10mm End box	6*3	0.500	0.150	10.000	7.85	105.975	
	Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.040	10.000	7.85	56.520	
	Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.157	10.000	7.85	221.841	
	Seal clamp Horizontal 10 mm plate	2*3	12.080	0.080	10.000	7.85	455.175	
	Seal guard 20 mm plate	1*3	11.746	0.020	20.000	7.85	110.648	
	Side guide plate-1 12mm plate	4*3	0.200	0.200	12.000	7.85	45.217	
	Side guide shoe 10 mm plate	8*3	0.210	0.075	10.000	7.85	29.673	
	Side guide plate-2 30mm plate	4*3	0.116	0.053	30.000	7.85	17.375	
	guide shoe-2- 40 mm plate	4*3	0.150	0.040	40.000	7.85	22.608	
	Lifting bracket 12mm plate	4*3	0.8150	0.440	12.000	7.85	405.362	
	Lifting bracket 12mm plate	4*3	0.400	0.450	12.000	7.85	203.472	
	Lock plate 10mm	2*3	0.120	0.090	10.000	7.85	5.087	
	Lock plate 10mm	8*3	0.120	0.050	10.000	7.85	11.304	
	Lifting pin dia 90	2*3	0.100	0.226	90.000	7.85	95.802	
	Bottom Block(9x3m)(1 Nos)							
	Bottom block frame 16mm plate	4*1	1.286	0.720	16.000	7.85	465.183	
	Longitudnel plate 16mm plate	4*1	1.286	0.200	16.000	7.85	129.218	
	Side plate-16mm plate	4*1	0.220	0.100	16.000	7.85	11.053	

	Stiffner plate-12mm plate	22*1	0.180	0.058	12.000	7.85	21.636	
	Cover plate 10mm	6*1	0.150	0.110	10.000	7.85	7.772	
	Rope Cover plate 3.15mm	2*1	0.740	0.110	3.150	7.85	4.026	
	(9x3 M) shutter..(1Nos)							
	Skin plate 10mm plate	1	9.354	3.000	10.000	7.85	2202.867	
	End box plate 12mm plate	4	3.000	0.490	12.000	7.85	553.896	
	Stiffener plate Roller 8mmplate	8*1	0.200	0.200	10.000	7.85	25.121	
	Roller support plate-1 8mm plate	8*1	0.200	0.200	10.000	7.85	25.121	
	Roller support plate-2 Dia 180x20mm plate	8*1	0.180	0.180	20.000	7.85	40.695	
	Roller support plate-3 10 mm plate	8*1	0.200	0.200	10.000	7.85	25.121	
	Roller support plate-1 10mm plate	8*1	0.200	0.3200	10.000	7.85	40.192	
	End box stiffener plate 8mm plate	20*1	0.485	0.170	8.000	7.85	103.558	
	Horizontal girder web 10 mm plate	4*1	9.438	1.000	10.000	7.85	2963.532	
	Horizontal girder flange 12 mm plate	2*1	10.380	0.240	12.000	7.85	469.343	
	Horizontal girder flange-1 12 mm plate	2*1	10.380	0.200	12.000	7.85	391.119	
	Web stiffener 8 mm plate	32*1	0.850	0.090	8.000	7.85	153.735	
	Pad plate Web 10 mm plate	4*1	0.912	0.175	10.000	7.85	50.115	
	Full depth stiffener web-1 8 mm plate	3*1	1.000	0.570	8.000	7.85	107.388	
	Full depth stiffener web-2 8 mm plate	3*1	1.000	0.692	8.000	7.85	130.373	
	Full depth stiffener web-3 8 mm plate	5*1	1.000	0.684	8.000	7.85	214.776	

Full depth stiffener web-4 8 mm plate	5*1	1.000	0.316	8.000	7.85	99.224	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.492	8.000	7.85	154.488	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.341	8.000	7.85	107.074	
Vertical stiffener-1 10 mm plate	24*1	0.570	0.150	10.000	7.85	161.082	
Vertical stiffener-2 10 mm plate	24*1	0.692	0.150	10.000	7.85	195.560	
Vertical stiffener-3 10 mm plate	24*1	0.316	0.150	10.000	7.85	89.302	
Vertical stiffener-4 10 mm plate	24*1	0.366	0.150	10.000	7.85	103.432	
Vertical stiffener-5 10 mm plate	24*1	0.492	0.150	10.000	7.85	139.040	
Vertical stiffener-6 10 mm plate	24*1	0.341	0.150	10.000	7.85	96.367	
Full depth stiffener flange 10 mm plate	3*1	0.474	0.150	10.000	7.85	16.745	
Full depth stiffener flange 10 mm plate	5*1	0.500	0.150	10.000	7.85	29.438	
Full depth stiffener flange 10 mm plate	5*1	0.220	0.150	10.000	7.85	12.953	
Full depth stiffener flange 10 mm plate	5*1	0.250	0.150	10.000	7.85	14.719	
Full depth stiffener flange 10 mm plate	5*1	0.260	0.150	10.000	7.85	15.308	
Vertical seal seat - 20 mm plate	2*1	3.000	0.105	20.000	7.85	98.910	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.250	10.000	7.85	44.745	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.450	10.000	7.85	80.541	
Splice plate 10mm U/S	1*1	9.869	0.150	10.000	7.85	116.208	
Splice plate 10mm D/S	1*1	10.380	0.150	10.000	7.85	122.225	

	Splice plate 10mm End box	4*1	0.450	0.150	10.000	7.85	21.195	
	Splice plate 10mm End box	6*1	0.500	0.150	10.000	7.85	35.325	
	Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.040	10.000	7.85	18.840	
	Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.157	10.000	7.85	73.947	
	Seal clamp Horizontal 10 mm plate	2*1	10.380	0.080	10.000	7.85	130.373	
	Seal guard 20 mm plate	1*1	9.746	0.020	20.000	7.85	30.603	
	Side guide plate-1 12mm plate	4*1	0.200	0.200	12.000	7.85	15.073	
	Side guide shoe 10 mm plate	8*1	0.210	0.075	10.000	7.85	9.891	
	Side guide plate-2 30mm plate	4*1	0.116	0.053	30.000	7.85	5.792	
	guide shoe-2- 40 mm plate	4*1	0.150	0.040	40.000	7.85	7.536	
	Lifting bracket 12mm plate	4*1	0.8150	0.440	12.000	7.85	135.121	
	Lifting bracket 12mm plate	4*1	0.400	0.450	12.000	7.85	67.824	
	Lock plate 10mm	2*1	0.120	0.090	10.000	7.85	1.696	
	Lock plate 10mm	8*1	0.120	0.050	10.000	7.85	3.768	
	Lifting pin dia 90	2*1	0.100	0.226	90.000	7.85	31.934	
	Bottom Block(12x3m)(3 Nos)							
	Bottom block frame 16mm plate	4*3	1.286	0.720	16.000	7.85	1395.547	
	Longitudnel plate 16mm plate	4*3	1.286	0.200	16.000	7.85	387.652	
	Side plate-16mm plate	4*3	0.220	0.100	16.000	7.85	33.159	
	Stiffner plate-12mm plate	22*3	0.180	0.058	12.000	7.85	64.908	
	Cover plate 10mm	6*3	0.150	0.110	10.000	7.85	23.315	

	Rope Cover plate 3.15mm	2*3	0.740	0.110	3.150	7.85	12.077	
	Total Quantity						46971.165 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						46971.165 kg	
	Say 46971.165 kg @ Rs 64.19 / kg						Rs 3015079.08	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	Shutter (9 X 3) 1 No							
	Brasing top ISMC 200x75	1*1	9.354			22.1	206.724	
	Brasing angle top ISA 100x100x8	4*1	0.986			12.1	47.723	
	Brasing angle top ISA 100x100x8	4*1	0.692			12.1	33.493	
	Brasing angle top ISA 100x100x8	4*1	0.492			12.1	23.813	
	Side seal clamp ISA 75x75x8	2*1	3.000			8.9	53.401	
	Bottom block (9x3)(1 Nos)							
	Locking angle ISA 75x75x8	8*1	0.400			8.9	28.481	
	Bottom block (12x3)(3 Nos)							
	Locking angle ISA 75x75x8	8*3	0.400			8.9	85.441	
	Shutter (12x3).(3 Nos)							
	Brasing top ISMC 200x75	1*3	12.790			22.1	847.977	
	Brasing angle top ISA 100x100x8	4*3	0.986			12.1	143.168	
	Brasing angle top ISA 100x100x8	4*3	0.692			12.1	100.479	
	Brasing angle top ISA 100x100x8	4*3	0.492			12.1	71.439	
	Side seal clamp ISA 75x75x8	2*3	3.000			8.9	160.201	

	Total Quantity						1802.340 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1802.340 kg	
	Say 1802.340 kg @ Rs 66.14 / kg						Rs 119206.77	
3	od95209/2020_2021 Supply of MS Bolts and Nuts							
	(12x 3M) Shutter 3 Nos							
	M 12x50 hex.bolt	64*3				0.08	14.400	
	M 16x35 hex.bolt	40*3				0.12	14.280	
	M 16x45 hex.bolt	300*3				0.13	120.601	
	M 16x50 hex.bolt with nut	24*3				0.14	10.224	
	M 16x55 hex.bolt with nut	176*3				0.15	79.200	
	M 16x70 hex.bolt with nut	100*3				0.17	51.900	
	(9x3.M) shutter.(1No)							
	M 12x50 hex.bolt	64*1				0.08	4.800	
	M 16x35 hex.bolt	40*1				0.12	4.760	
	M 16x45 hex.bolt	300*1				0.13	40.200	
	M 16x50 hex.bolt with nut	24*1				0.14	3.408	
	M 16x55 hex.bolt with nut	176*1				0.15	26.400	
	M 16x70 hex.bolt with nut	100*1				0.17	17.300	
	Total Quantity						387.473 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						387.473 kg	
	Say 387.473 kg @ Rs 83.01 / kg						Rs 32164.13	
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							
	Shutter (9 X 3) 1 No							

Brasing top ISMC 200x75	1*1	9.354			22.1	206.724	
Brasing angle top ISA 100x100x8	4*1	0.986			12.1	47.723	
Brasing angle top ISA 100x100x8	4*1	0.692			12.1	33.493	
Brasing angle top ISA 100x100x8	4*1	0.492			12.1	23.813	
Side seal clamp ISA 75x75x8	2*1	3.000			8.9	53.401	
Bottom block (9x3)(1 Nos)							
Locking angle ISA 75x75x8	8*1	0.400			8.9	28.481	
Bottom block (12x3)(3 Nos)							
Locking angle ISA 75x75x8	8*3	0.400			8.9	85.441	
Shutter (12x3).(3 Nos)							
Brasing top ISMC 200x75	1*3	12.790			22.1	847.977	
Brasing angle top ISA 100x100x8	4*3	0.986			12.1	143.168	
Brasing angle top ISA 100x100x8	4*3	0.692			12.1	100.479	
Brasing angle top ISA 100x100x8	4*3	0.492			12.1	71.439	
Side seal clamp ISA 75x75x8	2*3	3.000			8.9	160.201	
(12 X 3 M) Shutter (3 Nos)							
Skin plate 10mm plate	1*3	12.350	1.700	10.000	7.85	4944.323	
Skin plate 10mm plate	1*3	12.350	1.300	10.000	7.85	3780.953	
End box plate 12mm plate	4*3	1.700	0.490	12.000	7.85	941.624	
End box plate 12mm plate	4*3	1.300	0.490	12.000	7.85	720.065	
Stiffener plate Roller 8mmplate	8*3	0.200	0.200	10.000	7.85	75.361	

Roller support plate-1 8mm plate	8*3	0.200	0.200	10.000	7.85	75.361	
Roller support plate-2 Dia 180x20mm plate	8*3	0.180	0.180	20.000	7.85	122.084	
Roller support plate-3 10 mm plate	8*3	0.200	0.200	10.000	7.85	75.361	
Roller support plate-1 10mm plate	8*3	0.200	0.320	10.000	7.85	120.576	
End box stiffener plate 8mm plate	20*3	0.485	0.170	8.000	7.85	310.672	
Horizontal girder web 10 mm plate	4*3	11.936	1.000	10.000	7.85	11243.712	
Horizontal girder flange 12 mm plate	2*3	12.790	0.240	12.000	7.85	1734.938	
Horizontal girder flange-1 12 mm plate	2*3	12.790	0.200	12.000	7.85	1445.782	
Web stiffener 8 mm plate	32*3	0.850	0.090	8.000	7.85	461.204	
Pad plate Web 10 mm plate	4*3	0.912	0.175	10.000	7.85	150.344	
Full depth stiffener web-1 8 mm plate	3*3	1.000	0.570	8.000	7.85	322.164	
Full depth stiffener web-2 8 mm plate	3*3	1.000	0.692	8.000	7.85	391.119	
Full depth stiffener web-3 8 mm plate	5*3	1.000	0.684	8.000	7.85	644.329	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.316	8.000	7.85	297.672	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.492	8.000	7.85	463.464	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.341	8.000	7.85	321.222	
Vertical stiffener-1 10 mm plate	24*3	0.570	0.150	10.000	7.85	483.246	
Vertical stiffener-2 10 mm plate	24*3	0.692	0.150	10.000	7.85	586.678	
Vertical stiffener-3 10 mm plate	24*3	0.316	0.150	10.000	7.85	267.905	

Vertical stiffener-4 10 mm plate	24*3	0.366	0.150	10.000	7.85	310.295	
Vertical stiffener-5 10 mm plate	24*3	0.492	0.150	10.000	7.85	417.118	
Vertical stiffener-6 10 mm plate	24*3	0.341	0.150	10.000	7.85	289.100	
Full depth stiffener flange 10 mm plate	3*3	0.474	0.150	10.000	7.85	50.233	
Full depth stiffener flange 10 mm plate	5*3	0.500	0.150	10.000	7.85	88.313	
Full depth stiffener flange 10 mm plate	5*3	0.220	0.150	10.000	7.85	38.858	
Full depth stiffener flange 10 mm plate	5*3	0.250	0.150	10.000	7.85	44.157	
Full depth stiffener flange 10 mm plate	5*3	0.260	0.150	10.000	7.85	45.923	
Vertical seal seat - 20 mm plate	2*3	3.000	0.105	20.000	7.85	296.730	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.250	10.000	7.85	134.235	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.450	10.000	7.85	241.623	
Splice plate 10mm U/S	1*3	11.869	0.150	10.000	7.85	419.273	
Splice plate 10mm D/S	1*3	12.080	0.150	10.000	7.85	426.726	
Splice plate 10mm End box	4*3	0.450	0.150	10.000	7.85	63.586	
Splice plate 10mm End box	6*3	0.500	0.150	10.000	7.85	105.975	
Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.040	10.000	7.85	56.520	
Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.157	10.000	7.85	221.841	
Seal clamp Horizontal 10 mm plate	2*3	12.080	0.080	10.000	7.85	455.175	
Seal guard 20 mm plate	1*3	11.746	0.020	20.000	7.85	110.648	

Side guide plate-1 12mm plate	4*3	0.200	0.200	12.000	7.85	45.217	
Side guide shoe 10 mm plate	8*3	0.210	0.075	10.000	7.85	29.673	
Side guide plate-2 30mm plate	4*3	0.116	0.053	30.000	7.85	17.375	
guide shoe-2- 40 mm plate	4*3	0.150	0.040	40.000	7.85	22.608	
Lifting bracket 12mm plate	4*3	0.8150	0.440	12.000	7.85	405.362	
Lifting bracket 12mm plate	4*3	0.400	0.450	12.000	7.85	203.472	
Lock plate 10mm	2*3	0.120	0.090	10.000	7.85	5.087	
Lock plate 10mm	8*3	0.120	0.050	10.000	7.85	11.304	
Lifting pin dia 90	2*3	0.100	0.226	90.000	7.85	95.802	
Bottom Block(9x3m)(1 Nos)							
Bottom block frame 16mm plate	4*1	1.286	0.720	16.000	7.85	465.183	
Longitudnel plate 16mm plate	4*1	1.286	0.200	16.000	7.85	129.218	
Side plate-16mm plate	4*1	0.220	0.100	16.000	7.85	11.053	
Stiffner plate-12mm plate	22*1	0.180	0.058	12.000	7.85	21.636	
Cover plate 10mm	6*1	0.150	0.110	10.000	7.85	7.772	
Rope Cover plate 3.15mm	2*1	0.740	0.110	3.150	7.85	4.026	
(9x3 M) shutter..(1Nos)							
Skin plate 10mm plate	1	9.354	3.000	10.000	7.85	2202.867	
End box plate 12mm plate	4	3.000	0.490	12.000	7.85	553.896	
Stiffener plate Roller 8mmplate	8*1	0.200	0.200	10.000	7.85	25.121	
Roller support plate-1 8mm plate	8*1	0.200	0.200	10.000	7.85	25.121	
Roller support plate-2 Dia 180x20mm plate	8*1	0.180	0.180	20.000	7.85	40.695	

Roller support plate-3 10 mm plate	8*1	0.200	0.200	10.000	7.85	25.121	
Roller support plate-1 10mm plate	8*1	0.200	0.3200	10.000	7.85	40.192	
End box stiffener plate 8mm plate	20*1	0.485	0.170	8.000	7.85	103.558	
Horizontal girder web 10 mm plate	4*1	9.438	1.000	10.000	7.85	2963.532	
Horizontal girder flange 12 mm plate	2*1	10.380	0.240	12.000	7.85	469.343	
Horizontal girder flange-1 12 mm plate	2*1	10.380	0.200	12.000	7.85	391.119	
Web stiffener 8 mm plate	32*1	0.850	0.090	8.000	7.85	153.735	
Pad plate Web 10 mm plate	4*1	0.912	0.175	10.000	7.85	50.115	
Full depth stiffener web-1 8 mm plate	3*1	1.000	0.570	8.000	7.85	107.388	
Full depth stiffener web-2 8 mm plate	3*1	1.000	0.692	8.000	7.85	130.373	
Full depth stiffener web-3 8 mm plate	5*1	1.000	0.684	8.000	7.85	214.776	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.316	8.000	7.85	99.224	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.492	8.000	7.85	154.488	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.341	8.000	7.85	107.074	
Vertical stiffener-1 10 mm plate	24*1	0.570	0.150	10.000	7.85	161.082	
Vertical stiffener-2 10 mm plate	24*1	0.692	0.150	10.000	7.85	195.560	
Vertical stiffener-3 10 mm plate	24*1	0.316	0.150	10.000	7.85	89.302	
Vertical stiffener-4 10 mm plate	24*1	0.366	0.150	10.000	7.85	103.432	
Vertical stiffener-5 10 mm plate	24*1	0.492	0.150	10.000	7.85	139.040	

Vertical stiffener-6 10 mm plate	24*1	0.341	0.150	10.000	7.85	96.367	
Full depth stiffener flange 10 mm plate	3*1	0.474	0.150	10.000	7.85	16.745	
Full depth stiffener flange 10 mm plate	5*1	0.500	0.150	10.000	7.85	29.438	
Full depth stiffener flange 10 mm plate	5*1	0.220	0.150	10.000	7.85	12.953	
Full depth stiffener flange 10 mm plate	5*1	0.250	0.150	10.000	7.85	14.719	
Full depth stiffener flange 10 mm plate	5*1	0.260	0.150	10.000	7.85	15.308	
Vertical seal seat - 20 mm plate	2*1	3.000	0.105	20.000	7.85	98.910	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.250	10.000	7.85	44.745	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.450	10.000	7.85	80.541	
Splice plate 10mm U/S	1*1	9.869	0.150	10.000	7.85	116.208	
Splice plate 10mm D/S	1*1	10.380	0.150	10.000	7.85	122.225	
Splice plate 10mm End box	4*1	0.450	0.150	10.000	7.85	21.195	
Splice plate 10mm End box	6*1	0.500	0.150	10.000	7.85	35.325	
Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.040	10.000	7.85	18.840	
Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.157	10.000	7.85	73.947	
Seal clamp Horizontal 10 mm plate	2*1	10.380	0.080	10.000	7.85	130.373	
Seal guard 20 mm plate	1*1	9.746	0.020	20.000	7.85	30.603	
Side guide plate-1 12mm plate	4*1	0.200	0.200	12.000	7.85	15.073	
Side guide shoe 10 mm plate	8*1	0.210	0.075	10.000	7.85	9.891	

	Side guide plate-2 30mm plate	4*1	0.116	0.053	30.000	7.85	5.792		
	guide shoe-2- 40 mm plate	4*1	0.150	0.040	40.000	7.85	7.536		
	Lifting bracket 12mm plate	4*1	0.8150	0.440	12.000	7.85	135.121		
	Lifting bracket 12mm plate	4*1	0.400	0.450	12.000	7.85	67.824		
	Lock plate 10mm	2*1	0.120	0.090	10.000	7.85	1.696		
	Lock plate 10mm	8*1	0.120	0.050	10.000	7.85	3.768		
	Lifting pin dia 90	2*1	0.100	0.226	90.000	7.85	31.934		
	Bottom Block(12x3m)(3 Nos)								
	Bottom block frame 16mm plate	4*3	1.286	0.720	16.000	7.85	1395.547		
	Longitudnel plate 16mm plate	4*3	1.286	0.200	16.000	7.85	387.652		
	Side plate-16mm plate	4*3	0.220	0.100	16.000	7.85	33.159		
	Stiffner plate-12mm plate	22*3	0.180	0.058	12.000	7.85	64.908		
	Cover plate 10mm	6*3	0.150	0.110	10.000	7.85	23.315		
	Rope Cover plate 3.15mm	2*3	0.740	0.110	3.150	7.85	12.077		
	Total Quantity							48773.505 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							48773.505 kg	
	Say 48773.505 kg @ Rs 65.08 / kg							Rs 3174179.71	
5	85.112 Painting all the exposed surfaces of the gate and embedded parts with two coats of epoxy coal tar black paint confirming to IS14948 with a minimum film thickness of 150+/-5 microns per each coat over two coats of priming coat applied with zinc primer containing not less than 85% of zinc dry film with a film thickness of 70+/-5 microns , so that the total film thickness of all coats including priming coat at any rate is not less than 350microns over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials , labour charges , cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site								
	Shutter (9 X 3) 1 No								
	Brasing top ISMC 200x75	1*1	9.354			0.5	4.677		

Brasing angle top ISA 100x100x8	4*1	0.986			0.4	1.578	
Brasing angle top ISA 100x100x8	4*1	0.692			0.4	1.108	
Brasing angle top ISA 100x100x8	4*1	0.492			0.4	0.788	
Side seal clamp ISA 75x75x8	2*1	3.000			0.3	1.800	
Bottom block (9x3)(1 Nos)							
Locking angle ISA 75x75x8	8*1	0.400			0.3	0.960	
Bottom block (12x3)(3 Nos)							
Locking angle ISA 75x75x8	8*3	0.400			0.3	2.881	
Shutter (12x3).(3 Nos)							
Brasing top ISMC 200x75	1*3	12.790			0.5	19.185	
Brasing angle top ISA 100x100x8	4*3	0.986			0.4	4.733	
Brasing angle top ISA 100x100x8	4*3	0.692			0.4	3.322	
Brasing angle top ISA 100x100x8	4*3	0.492			0.4	2.362	
Side seal clamp ISA 75x75x8	2*3	3.000			0.3	5.400	
(12 X 3 M) Shutter (3 Nos)							
Skin plate 10mm plate	1*3	12.350	1.700		2.0	125.970	
Skin plate 10mm plate	1*3	12.350	1.300		2.0	96.330	
End box plate 12mm plate	4*3	1.700	0.490		2.0	19.992	
End box plate 12mm plate	4*3	1.300	0.490		2.0	15.288	
Stiffener plate Roller 8mmplate	8*3	0.200	0.200		2.0	1.921	
Roller support plate-1 8mm plate	8*3	0.200	0.200		2.0	1.921	

Roller support plate-2 Dia 180x20mm plate	8*3	0.180	0.180		2.0	1.556	
Roller support plate-3 10 mm plate	8*3	0.200	0.200		2.0	1.921	
Roller support plate-1 10mm plate	8*3	0.200	0.320		2.0	3.072	
End box stiffener plate 8mm plate	20*3	0.485	0.170		2.0	9.895	
Horizontal girder web 10 mm plate	4*3	11.936	1.000		2.0	286.464	
Horizontal girder flange 12 mm plate	2*3	12.790	0.240		2.0	36.836	
Horizontal girder flange-1 12 mm plate	2*3	12.790	0.200		2.0	30.696	
Web stiffener 8 mm plate	32*3	0.850	0.090		2.0	14.688	
Pad plate Web 10 mm plate	4*3	0.912	0.175		2.0	3.831	
Full depth stiffener web-1 8 mm plate	3*3	1.000	0.570		2.0	10.260	
Full depth stiffener web-2 8 mm plate	3*3	1.000	0.692		2.0	12.456	
Full depth stiffener web-3 8 mm plate	5*3	1.000	0.684		2.0	20.521	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.316		2.0	9.480	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.492		2.0	14.760	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.341		2.0	10.230	
Vertical stiffener-1 10 mm plate	24*3	0.570	0.150		2.0	12.312	
Vertical stiffener-2 10 mm plate	24*3	0.692	0.150		2.0	14.948	
Vertical stiffener-3 10 mm plate	24*3	0.316	0.150		2.0	6.826	
Vertical stiffener-4 10 mm plate	24*3	0.366	0.150		2.0	7.906	

Vertical stiffener-5 10 mm plate	24*3	0.492	0.150		2.0	10.628	
Vertical stiffener-6 10 mm plate	24*3	0.341	0.150		2.0	7.366	
Full depth stiffener flange 10 mm plate	3*3	0.474	0.150		2.0	1.280	
Full depth stiffener flange 10 mm plate	5*3	0.500	0.150		2.0	2.250	
Full depth stiffener flange 10 mm plate	5*3	0.220	0.150		2.0	0.990	
Full depth stiffener flange 10 mm plate	5*3	0.250	0.150		2.0	1.125	
Full depth stiffener flange 10 mm plate	5*3	0.260	0.150		2.0	1.170	
Vertical seal seat - 20 mm plate	2*3	3.000	0.105		2.0	3.781	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.250		2.0	3.420	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.450		2.0	6.157	
Splice plate 10mm U/S	1*3	11.869	0.150		2.0	10.683	
Splice plate 10mm D/S	1*3	12.080	0.150		2.0	10.872	
Splice plate 10mm End box	4*3	0.450	0.150		2.0	1.620	
Splice plate 10mm End box	6*3	0.500	0.150		2.0	2.700	
Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.040		2.0	1.440	
Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.157		2.0	5.652	
Seal clamp Horizontal 10 mm plate	2*3	12.080	0.080		2.0	11.597	
Seal guard 20 mm plate	1*3	11.746	0.020		2.0	1.410	
Side guide plate-1 12mm plate	4*3	0.200	0.200		2.0	0.961	

Side guide shoe 10 mm plate	8*3	0.210	0.075		2.0	0.756	
Side guide plate-2 30mm plate	4*3	0.116	0.053		2.0	0.148	
guide shoe-2- 40 mm plate	4*3	0.150	0.040		2.0	0.145	
Lifting bracket 12mm plate	4*3	0.8150	0.440		2.0	8.607	
Lifting bracket 12mm plate	4*3	0.400	0.450		2.0	4.320	
Lock plate 10mm	2*3	0.120	0.090		2.0	0.130	
Lock plate 10mm	8*3	0.120	0.050		2.0	0.289	
Lifting pin dia 90	2*3	0.100	0.226		2.0	0.272	
Bottom Block(9x3m)(1 Nos)							
Bottom block frame 16mm plate	4*1	1.286	0.720		2.0	7.408	
Longitudnel plate 16mm plate	4*1	1.286	0.200		2.0	2.058	
Side plate-16mm plate	4*1	0.220	0.100		2.0	0.177	
Stiffner plate-12mm plate	22*1	0.180	0.058		2.0	0.460	
Cover plate 10mm	6*1	0.150	0.110		2.0	0.198	
Rope Cover plate 3.15mm	2*1	0.740	0.110		2.0	0.326	
(9x3 M) shutter..(1Nos)							
Skin plate 10mm plate	1	9.354	3.000		2.0	56.124	
End box plate 12mm plate	4	3.000	0.490		2.0	11.760	
Stiffener plate Roller 8mmplate	8*1	0.200	0.200		2.0	0.641	
Roller support plate-1 8mm plate	8*1	0.200	0.200		2.0	0.641	
Roller support plate-2 Dia 180x20mm plate	8*1	0.180	0.180		2.0	0.519	
Roller support plate-3 10 mm plate	8*1	0.200	0.200		2.0	0.641	

Roller support plate-1 10mm plate	8*1	0.200	0.3200		2.0	1.024	
End box stiffener plate 8mm plate	20*1	0.485	0.170		2.0	3.299	
Horizontal girder web 10 mm plate	4*1	9.438	1.000		2.0	75.504	
Horizontal girder flange 12 mm plate	2*1	10.380	0.240		2.0	9.965	
Horizontal girder flange-1 12 mm plate	2*1	10.380	0.200		2.0	8.304	
Web stiffener 8 mm plate	32*1	0.850	0.090		2.0	4.896	
Pad plate Web 10 mm plate	4*1	0.912	0.175		2.0	1.277	
Full depth stiffener web-1 8 mm plate	3*1	1.000	0.570		2.0	3.420	
Full depth stiffener web-2 8 mm plate	3*1	1.000	0.692		2.0	4.152	
Full depth stiffener web-3 8 mm plate	5*1	1.000	0.684		2.0	6.841	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.316		2.0	3.160	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.492		2.0	4.920	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.341		2.0	3.410	
Vertical stiffener-1 10 mm plate	24*1	0.570	0.150		2.0	4.104	
Vertical stiffener-2 10 mm plate	24*1	0.692	0.150		2.0	4.983	
Vertical stiffener-3 10 mm plate	24*1	0.316	0.150		2.0	2.276	
Vertical stiffener-4 10 mm plate	24*1	0.366	0.150		2.0	2.636	
Vertical stiffener-5 10 mm plate	24*1	0.492	0.150		2.0	3.543	
Vertical stiffener-6 10 mm plate	24*1	0.341	0.150		2.0	2.456	

Full depth stiffener flange 10 mm plate	3*1	0.474	0.150		2.0	0.427	
Full depth stiffener flange 10 mm plate	5*1	0.500	0.150		2.0	0.750	
Full depth stiffener flange 10 mm plate	5*1	0.220	0.150		2.0	0.330	
Full depth stiffener flange 10 mm plate	5*1	0.250	0.150		2.0	0.375	
Full depth stiffener flange 10 mm plate	5*1	0.260	0.150		2.0	0.390	
Vertical seal seat - 20 mm plate	2*1	3.000	0.105		2.0	1.260	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.250		2.0	1.140	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.450		2.0	2.052	
Splice plate 10mm U/S	1*1	9.869	0.150		2.0	2.961	
Splice plate 10mm D/S	1*1	10.380	0.150		2.0	3.115	
Splice plate 10mm End box	4*1	0.450	0.150		2.0	0.540	
Splice plate 10mm End box	6*1	0.500	0.150		2.0	0.900	
Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.040		2.0	0.480	
Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.157		2.0	1.884	
Seal clamp Horizontal 10 mm plate	2*1	10.380	0.080		2.0	3.322	
Seal guard 20 mm plate	1*1	9.746	0.020		2.0	0.390	
Side guide plate-1 12mm plate	4*1	0.200	0.200		2.0	0.321	
Side guide shoe 10 mm plate	8*1	0.210	0.075		2.0	0.252	
Side guide plate-2 30mm plate	4*1	0.116	0.053		2.0	0.050	

	guide shoe-2- 40 mm plate	4*1	0.150	0.040		2.0	0.048		
	Lifting bracket 12mm plate	4*1	0.8150	0.440		2.0	2.869		
	Lifting bracket 12mm plate	4*1	0.400	0.450		2.0	1.441		
	Lock plate 10mm	2*1	0.120	0.090		2.0	0.044		
	Lock plate 10mm	8*1	0.120	0.050		2.0	0.096		
	Lifting pin dia 90	2*1	0.100	0.226		2.0	0.091		
	Bottom Block(12x3m)(3 Nos)								
	Bottom block frame 16mm plate	4*3	1.286	0.720		2.0	22.223		
	Longitudnel plate 16mm plate	4*3	1.286	0.200		2.0	6.173		
	Side plate-16mm plate	4*3	0.220	0.100		2.0	0.528		
	Stiffner plate-12mm plate	22*3	0.180	0.058		2.0	1.379		
	Cover plate 10mm	6*3	0.150	0.110		2.0	0.595		
	Rope Cover plate 3.15mm	2*3	0.740	0.110		2.0	0.977		
	Total Quantity						1207.169 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						1207.169 sqm		
	Say 1207.169 sqm @ Rs 819.39 / sqm						Rs 989142.21		
6	85.111 Erection of the gates safely in the grooves , assembling and aligning including cost of all machinery, labour all incidental and conveyance charges etc complete as per direction of departmental officer at site								
	Shutter (9 X 3) 1 No								
	Brasing top ISMC 200x75	1*1	9.354			22.1	206.724		
	Brasing angle top ISA 100x100x8	4*1	0.986			12.1	47.723		
	Brasing angle top ISA 100x100x8	4*1	0.692			12.1	33.493		
	Brasing angle top ISA 100x100x8	4*1	0.492			12.1	23.813		

Side seal clamp ISA 75x75x8	2*1	3.000			8.9	53.401	
Bottom block (9x3)(1 Nos)							
Locking angle ISA 75x75x8	8*1	0.400			8.9	28.481	
Bottom block (12x3)(3 Nos)							
Locking angle ISA 75x75x8	8*3	0.400			8.9	85.441	
Shutter (12x3).(3 Nos)							
Brasing top ISMC 200x75	1*3	12.790			22.1	847.977	
Brasing angle top ISA 100x100x8	4*3	0.986			12.1	143.168	
Brasing angle top ISA 100x100x8	4*3	0.692			12.1	100.479	
Brasing angle top ISA 100x100x8	4*3	0.492			12.1	71.439	
Side seal clamp ISA 75x75x8	2*3	3.000			8.9	160.201	
(12 X 3 M.) Shutter (3 Nos)							
Skin plate 10mm plate	1*3	12.350	1.700	10.000	7.85	4944.323	
Skin plate 10mm plate	1*3	12.350	1.300	10.000	7.85	3780.953	
End box plate 12mm plate	4*3	1.700	0.490	12.000	7.85	941.624	
End box plate 12mm plate	4*3	1.300	0.490	12.000	7.85	720.065	
Stiffener plate Roller 8mmplate	8*3	0.200	0.200	10.000	7.85	75.361	
Roller support plate-1 8mm plate	8*3	0.200	0.200	10.000	7.85	75.361	
Roller support plate-2 Dia 180x20mm plate	8*3	0.180	0.180	20.000	7.85	122.084	
Roller support plate-3 10 mm plate	8*3	0.200	0.200	10.000	7.85	75.361	
Roller support plate-1 10mm plate	8*3	0.200	0.320	10.000	7.85	120.576	

End box stiffener plate 8mm plate	20*3	0.485	0.170	8.000	7.85	310.672	
Horizontal girder web 10 mm plate	4*3	11.936	1.000	10.000	7.85	11243.712	
Horizontal girder flange 12 mm plate	2*3	12.790	0.240	12.000	7.85	1734.938	
Horizontal girder flange-1 12 mm plate	2*3	12.790	0.200	12.000	7.85	1445.782	
Web stiffener 8 mm plate	32*3	0.850	0.090	8.000	7.85	461.204	
Pad plate Web 10 mm plate	4*3	0.912	0.175	10.000	7.85	150.344	
Full depth stiffener web-1 8 mm plate	3*3	1.000	0.570	8.000	7.85	322.164	
Full depth stiffener web-2 8 mm plate	3*3	1.000	0.692	8.000	7.85	391.119	
Full depth stiffener web-3 8 mm plate	5*3	1.000	0.684	8.000	7.85	644.329	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.316	8.000	7.85	297.672	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.492	8.000	7.85	463.464	
Full depth stiffener web-4 8 mm plate	5*3	1.000	0.341	8.000	7.85	321.222	
Vertical stiffener-1 10 mm plate	24*3	0.570	0.150	10.000	7.85	483.246	
Vertical stiffener-2 10 mm plate	24*3	0.692	0.150	10.000	7.85	586.678	
Vertical stiffener-3 10 mm plate	24*3	0.316	0.150	10.000	7.85	267.905	
Vertical stiffener-4 10 mm plate	24*3	0.366	0.150	10.000	7.85	310.295	
Vertical stiffener-5 10 mm plate	24*3	0.492	0.150	10.000	7.85	417.118	
Vertical stiffener-6 10 mm plate	24*3	0.341	0.150	10.000	7.85	289.100	
Full depth stiffener flange 10 mm plate	3*3	0.474	0.150	10.000	7.85	50.233	

Full depth stiffener flange 10 mm plate	5*3	0.500	0.150	10.000	7.85	88.313	
Full depth stiffener flange 10 mm plate	5*3	0.220	0.150	10.000	7.85	38.858	
Full depth stiffener flange 10 mm plate	5*3	0.250	0.150	10.000	7.85	44.157	
Full depth stiffener flange 10 mm plate	5*3	0.260	0.150	10.000	7.85	45.923	
Vertical seal seat - 20 mm plate	2*3	3.000	0.105	20.000	7.85	296.730	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.250	10.000	7.85	134.235	
Full depth stiffener flange 10 mm plate	4*3	0.570	0.450	10.000	7.85	241.623	
Splice plate 10mm U/S	1*3	11.869	0.150	10.000	7.85	419.273	
Splice plate 10mm D/S	1*3	12.080	0.150	10.000	7.85	426.726	
Splice plate 10mm End box	4*3	0.450	0.150	10.000	7.85	63.586	
Splice plate 10mm End box	6*3	0.500	0.150	10.000	7.85	105.975	
Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.040	10.000	7.85	56.520	
Seal seat Vertical bottom 10 mm plate	2*3	3.000	0.157	10.000	7.85	221.841	
Seal clamp Horizontal 10 mm plate	2*3	12.080	0.080	10.000	7.85	455.175	
Seal guard 20 mm plate	1*3	11.746	0.020	20.000	7.85	110.648	
Side guide plate-1 12mm plate	4*3	0.200	0.200	12.000	7.85	45.217	
Side guide shoe 10 mm plate	8*3	0.210	0.075	10.000	7.85	29.673	
Side guide plate-2 30mm plate	4*3	0.116	0.053	30.000	7.85	17.375	
guide shoe-2- 40 mm plate	4*3	0.150	0.040	40.000	7.85	22.608	

Lifting bracket 12mm plate	4*3	0.8150	0.440	12.000	7.85	405.362	
Lifting bracket 12mm plate	4*3	0.400	0.450	12.000	7.85	203.472	
Lock plate 10mm	2*3	0.120	0.090	10.000	7.85	5.087	
Lock plate 10mm	8*3	0.120	0.050	10.000	7.85	11.304	
Lifting pin dia 90	2*3	0.100	0.226	90.000	7.85	95.802	
Bottom Block(9x3m)(1 Nos)							
Bottom block frame 16mm plate	4*1	1.286	0.720	16.000	7.85	465.183	
Longitudnel plate 16mm plate	4*1	1.286	0.200	16.000	7.85	129.218	
Side plate-16mm plate	4*1	0.220	0.100	16.000	7.85	11.053	
Stiffner plate-12mm plate	22*1	0.180	0.058	12.000	7.85	21.636	
Cover plate 10mm	6*1	0.150	0.110	10.000	7.85	7.772	
Rope Cover plate 3.15mm	2*1	0.740	0.110	3.150	7.85	4.026	
(9x3 M) shutter..(1Nos)							
Skin plate 10mm plate	1	9.354	3.000	10.000	7.85	2202.867	
End box plate 12mm plate	4	3.000	0.490	12.000	7.85	553.896	
Stiffener plate Roller 8mmplate	8*1	0.200	0.200	10.000	7.85	25.121	
Roller support plate-1 8mm plate	8*1	0.200	0.200	10.000	7.85	25.121	
Roller support plate-2 Dia 180x20mm plate	8*1	0.180	0.180	20.000	7.85	40.695	
Roller support plate-3 10 mm plate	8*1	0.200	0.200	10.000	7.85	25.121	
Roller support plate-1 10mm plate	8*1	0.200	0.3200	10.000	7.85	40.192	
End box stiffener plate 8mm plate	20*1	0.485	0.170	8.000	7.85	103.558	
Horizontal girder web 10 mm plate	4*1	9.438	1.000	10.000	7.85	2963.532	

Horizontal girder flange 12 mm plate	2*1	10.380	0.240	12.000	7.85	469.343	
Horizontal girder flange-1 12 mm plate	2*1	10.380	0.200	12.000	7.85	391.119	
Web stiffener 8 mm plate	32*1	0.850	0.090	8.000	7.85	153.735	
Pad plate Web 10 mm plate	4*1	0.912	0.175	10.000	7.85	50.115	
Full depth stiffener web-1 8 mm plate	3*1	1.000	0.570	8.000	7.85	107.388	
Full depth stiffener web-2 8 mm plate	3*1	1.000	0.692	8.000	7.85	130.373	
Full depth stiffener web-3 8 mm plate	5*1	1.000	0.684	8.000	7.85	214.776	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.316	8.000	7.85	99.224	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.492	8.000	7.85	154.488	
Full depth stiffener web-4 8 mm plate	5*1	1.000	0.341	8.000	7.85	107.074	
Vertical stiffener-1 10 mm plate	24*1	0.570	0.150	10.000	7.85	161.082	
Vertical stiffener-2 10 mm plate	24*1	0.692	0.150	10.000	7.85	195.560	
Vertical stiffener-3 10 mm plate	24*1	0.316	0.150	10.000	7.85	89.302	
Vertical stiffener-4 10 mm plate	24*1	0.366	0.150	10.000	7.85	103.432	
Vertical stiffener-5 10 mm plate	24*1	0.492	0.150	10.000	7.85	139.040	
Vertical stiffener-6 10 mm plate	24*1	0.341	0.150	10.000	7.85	96.367	
Full depth stiffener flange 10 mm plate	3*1	0.474	0.150	10.000	7.85	16.745	
Full depth stiffener flange 10 mm plate	5*1	0.500	0.150	10.000	7.85	29.438	
Full depth stiffener flange 10 mm plate	5*1	0.220	0.150	10.000	7.85	12.953	

Full depth stiffener flange 10 mm plate	5*1	0.250	0.150	10.000	7.85	14.719	
Full depth stiffener flange 10 mm plate	5*1	0.260	0.150	10.000	7.85	15.308	
Vertical seal seat - 20 mm plate	2*1	3.000	0.105	20.000	7.85	98.910	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.250	10.000	7.85	44.745	
Full depth stiffener flange 10 mm plate	4*1	0.570	0.450	10.000	7.85	80.541	
Splice plate 10mm U/S	1*1	9.869	0.150	10.000	7.85	116.208	
Splice plate 10mm D/S	1*1	10.380	0.150	10.000	7.85	122.225	
Splice plate 10mm End box	4*1	0.450	0.150	10.000	7.85	21.195	
Splice plate 10mm End box	6*1	0.500	0.150	10.000	7.85	35.325	
Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.040	10.000	7.85	18.840	
Seal seat Vertical bottom 10 mm plate	2*1	3.000	0.157	10.000	7.85	73.947	
Seal clamp Horizontal 10 mm plate	2*1	10.380	0.080	10.000	7.85	130.373	
Seal guard 20 mm plate	1*1	9.746	0.020	20.000	7.85	30.603	
Side guide plate-1 12mm plate	4*1	0.200	0.200	12.000	7.85	15.073	
Side guide shoe 10 mm plate	8*1	0.210	0.075	10.000	7.85	9.891	
Side guide plate-2 30mm plate	4*1	0.116	0.053	30.000	7.85	5.792	
guide shoe-2- 40 mm plate	4*1	0.150	0.040	40.000	7.85	7.536	
Lifting bracket 12mm plate	4*1	0.8150	0.440	12.000	7.85	135.121	
Lifting bracket 12mm plate	4*1	0.400	0.450	12.000	7.85	67.824	

	Lock plate 10mm	2*1	0.120	0.090	10.000	7.85	1.696		
	Lock plate 10mm	8*1	0.120	0.050	10.000	7.85	3.768		
	Lifting pin dia 90	2*1	0.100	0.226	90.000	7.85	31.934		
	(12x 3M) Shutter 3 Nos								
	M 12x50 hex.bolt	64*3				0.08	14.400		
	M 16x35 hex.bolt	40*3				0.12	14.280		
	M 16x45 hex.bolt	300*3				0.13	120.601		
	M 16x50 hex.bolt with nut	24*3				0.14	10.224		
	M 16x55 hex.bolt with nut	176*3				0.15	79.200		
	M 16x70 hex.bolt with nut	100*3				0.17	51.900		
	(9x3.M) shutter.(1No)								
	M 12x50 hex.bolt	64*1				0.08	4.800		
	M 16x35 hex.bolt	40*1				0.12	4.760		
	M 16x45 hex.bolt	300*1				0.13	40.200		
	M 16x50 hex.bolt with nut	24*1				0.14	3.408		
	M 16x55 hex.bolt with nut	176*1				0.15	26.400		
	M 16x70 hex.bolt with nut	100*1				0.17	17.300		
	Bottom Block(12x3m)(3 Nos)								
	Bottom block frame 16mm plate	4*3	1.286	0.720	16.000	7.85	1395.547		
	Longitudnel plate 16mm plate	4*3	1.286	0.200	16.000	7.85	387.652		
	Side plate-16mm plate	4*3	0.220	0.100	16.000	7.85	33.159		
	Stiffner plate-12mm plate	22*3	0.180	0.058	12.000	7.85	64.908		
	Cover plate 10mm	6*3	0.150	0.110	10.000	7.85	23.315		
	Rope Cover plate 3.15mm	2*3	0.740	0.110	3.150	7.85	12.077		
	Total Quantity						49160.978 kg		
	Total Deducted Quantity						0.000 kg		

SI No	Description	No	L	B	D	CF	Quantity	Remark
Net Total Quantity							49160.978 kg	
Say 49160.978 kg @ Rs 6.17 / kg								Rs 303323.23
7 Appendix E 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.(12x3 3nos)								
	Flat type rubber seals 90x14mm	1*3	11.960				35.880	
Flat Rubber Seals (9 X 3) 1No								
	Flat type rubber seals 90x14mm	1*1	8.960				8.960	
Total Quantity							44.840 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							44.840 metre	
Say 44.840 metre @ Rs 1958.13 / metre								Rs 87802.55
2	85.118 Supplying and fixing in correct position with specified initial interface L-type / bulb nose rubber seal confirming to IS11855 to the gates including cost of SS bolts and nuts and all labour and machinery and incidental and conveyance charges complete as per approved specifications and drawings							
Side seals.(12x3 3nos,9x3 1no)								
	Z-type Rubber seal Dia30x120mm	2*4	3.000				24.000	
Total Quantity							24.000 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							24.000 metre	
Say 24.000 metre @ Rs 2728.23 / metre								Rs 65477.52
3	85.117 Supplying and fixing in correct position with specified initial interface the Angular type rubber seal confirming to IS11855 to the gates including cost of SS bolts and nuts and all labour and machinery and incidental and conveyance charges complete as per approved specifications and drawings							
Side seals.(12x3 3nos,9x3 1no)								
	Angular-type Rubber seal Dia30x120mm	2*4	3.000				24.000	
Total Quantity							24.000 metre	

							Total Deducted Quantity	0.000 metre
							Net Total Quantity	24.000 metre
							Say 24.000 metre @ Rs 3024.23 / metre	Rs 72581.52
Sl No	Description	No	L	B	D	CF	Quantity	Remark
8 Appendix E 4 - Supplying and fixing of roller assembly.								
1	od95419/2020_2021 Supplying and fixing cast steel thrust roller assembly having 300mm Dia, 90mm tread width, SS(304) shaft and 22220E self aligning spherical roller bearing and accessories as per approved specifications and drawings including cost of all materials, machineries, labour , all lift and lead, incidental and conveyance charges etc complete							
Roller wheels								
	Dia 300mm wheels	4*4					16.000	
							Total Quantity	16.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	16.000 no
							Say 16.000 no @ Rs 39248.28 / no	Rs 627972.48
Sl No	Description	No	L	B	D	CF	Quantity	Remark
9 Appendix E 5- Supply of materials, fabrication, painting and erection of hoisting bridge, covers and frames of driving units & rope drum for shutter								
1	85.101 Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges							
Dial assembly (12 x3.M).(3nos)(9x3)(1no)								
	Base plate 8mm plate	1*4	0.470	0.300	8.000	7.85	35.420	
	Stiffener plate-1 10mm plate	2*4	0.185	0.150	10.000	7.85	17.427	
	Stiffener plate-2 10mm plate	1*4	0.170	0.150	10.000	7.85	8.007	
	Shim 2mm plate	1*4	0.165	0.060	2.000	7.85	0.622	
	Plummer block base plate 10mm plate	1*4	0.280	0.090	10.000	7.85	7.913	
	Stiffener plate-1 10mm plate	2*4	0.100	0.090	10.000	7.85	5.652	
	Stiffener plate-2 10mm plate	2*4	0.276	0.230	10.000	7.85	39.866	
Lifting arrangement (12 x3.M).(3nos)(9x3)(1no)								
	Lifting Bracket Frame1 12mm plate	4*4	1.030	0.590	12.000	7.85	915.926	

Lifting Bracket side plate -1 10mm plate	4*4	0.300	0.130	10.000	7.85	48.984	
Lifting Bracket stiffener -1 10mm plate	6*4	0.100	0.080	10.000	7.85	15.072	
Lifting Bracket stiffener -2 10mm plate	2*4	0.140	0.100	10.000	7.85	8.792	
Lifting Bracket stiffener -3 10mm plate	4*4	0.100	0.100	10.000	7.85	12.561	
Rope guard 3.15 sheet	4*4	0.650	0.100	3.150	7.85	25.717	
Pin lock plate-1 10mm plate	12*4	0.180	0.180	10.000	7.85	122.084	
Lock plate -10mm plate	24*4	0.130	0.050	10.000	7.85	48.984	
Spacer OD - 150, ID 82, 8 Thk	8*4	0.150	0.150	8.000	7.85	45.216	
Pin Cover-1 10mm plate	4*4	0.080	0.025	10.000	7.85	2.512	
Lifting bracket Main frame-1 16mm plate	4*4	1.220	0.250	16.000	7.85	612.928	
Lifting bracket Main frame-2 10mm plate	2*4	1.100	0.128	10.000	7.85	88.423	
Lifting bracket Base 10mm plate	2*4	1.050	0.400	10.000	7.85	263.760	
Traverse plate lifting bracket-1 10mm plate	2*4	1.100	0.692	10.000	7.85	478.034	
Traverse plate lifting bracket-2 10mm plate	2*4	1.269	0.210	10.000	7.85	167.356	
Wheels & Pinion (12 x3.M).(3nos)(9x3)(1no)							
Wheel Lock plate 15mm plate	6*4	0.025	0.070	15.000	7.85	4.946	
Rope drum unit Rope locking plate 20mm.	2*4	0.100	0.006	20.000	7.85	0.754	
Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
Cover-1 3.15 sheet	2*4	2.200	0.530	3.150	7.85	230.659	

	Cover-1 3.15 sheet	4*4	1.415	0.575	3.150	7.85	321.903	
	Cover-1 3.15 sheet	2*4	0.310	0.210	3.150	7.85	12.879	
	Gear box assembly (12 x3.M).(3nos),(9x3)(1no)							
	Frame extension plate-1 10mm plate	2*4	1.500	0.060	10.000	7.85	56.520	
	Frame extension plate-2 10mm plate	2*4	0.600	0.060	10.000	7.85	22.608	
	Stiffener-1 10mm plate	10*4	0.276	0.140	10.000	7.85	121.330	
	Stiffener-2 10mm plate	2*4	0.273	0.080	10.000	7.85	13.716	
	Drum support plate-1 10mm plate	8*4	0.120	0.090	10.000	7.85	27.130	
	Drum support plate-2 10mm plate	4*4	0.090	0.060	10.000	7.85	6.783	
	Drum shaft support plate-1 20mm plate	4*4	0.525	0.350	20.000	7.85	461.580	
	Drum shaft support plate-1 20mm plate	4*4	0.280	0.100	20.000	7.85	70.336	
	Spacer O D-160, ID76, 8mm Thk	4*4	0.160	0.160	8.000	7.85	25.723	
	Plummer block frame	8*4	0.260	0.100	50.000	7.85	326.560	
	Drive unit cover (12. x3.M)(3 nos).(9x3) (1no).							
	Side cover-1 3.15 sheet	2*4	1.472	0.970	3.150	7.85	282.456	
	Side cover-2 3.15 sheet	1*4	0.970	0.820	3.150	7.85	78.674	
	Side cover-3 3.15 sheet	1*4	0.670	0.820	3.150	7.85	54.342	
	Top cover-1 3.15 sheet	1*4	1.640	0.820	3.150	7.85	133.015	
	Plate on side plate 5mm plate	1*4	0.150	0.150	5.000	7.85	3.533	
	Plate at the opening of both side- 5mm plate	2*4	1.100	0.050	5.000	7.85	17.270	
	Drive unit(12 x 3.M)(3nos),(9x3)(3no)							

Worm reducer base-1 10mm plate	1*4	0.380	0.360	10.000	7.85	42.956	
Worm reducer angle support -1 10mm plate	4*4	0.090	0.090	10.000	7.85	10.174	
Worm reducer angle support -2 10mm plate	2*4	0.147	0.100	10.000	7.85	9.232	
Brake support -1 10mm plate	1*4	0.360	0.140	10.000	7.85	15.826	
Brake support stiffener -2 10mm plate	4*4	0.065	0.0650	10.000	7.85	5.307	
Base plate motor-10 mm plate	1*4	0.240	0.190	10.000	7.85	14.319	
Base plate stiffner motor-1-10 mm plate	2*4	0.065	0.065	10.000	7.85	2.654	
Base plate stiffner motor-2--10 mm plate	1*4	0.075	0.050	10.000	7.85	1.178	
Hoisting bridge (12 x 3M)(3 Nos),(9 x3)(1 No)							
Longitudinal Girder Flange 16mm plate	4*4	13.990	0.150	16.000	7.85	4217.146	
Longitudinal Girder Web 10mm plate	2*4	13.990	1.200	10.000	7.85	10542.864	
Base plate Main Girder 20mm plate	4*4	0.340	0.290	20.000	7.85	247.684	
Alignment plate for base plate 10mm plate	4*4	0.590	0.340	10.000	7.85	251.954	
Web stiffener end side 10mm plate	8*4	1.216	0.160	10.000	7.85	488.735	
Anchoring rod end plate Dia 100x10 Thk	16*4	0.100	0.100	10.000	7.85	50.241	
Web stiffener-1 10mm plate	8*4	0.908	0.070	10.000	7.85	159.663	
Web stiffener-2 10mm plate	4*4	1.008	0.070	10.000	7.85	88.624	
Web stiffener-310mm plate	22*4	1.058	0.070	10.000	7.85	511.607	
Web stiffener-410mm plate	32*4	1.200	0.070	10.000	7.85	844.032	

	Hand rail base support 10mm plate	14*4	0.250	0.135	10.000	7.85	148.365		
	Pulley frame 16mm plate	4*4	1.192	0.525	16.000	7.85	1257.608		
	Pulley pin lock plate ,10mm	16*4	0.160	0.050	10.000	7.85	40.192		
	Pulley- spacer OD 180, ID 82, 8mm thick	8*4	0.180	0.180	8.000	7.85	65.112		
	Plate connect hoist bridge, 10mm plate	2*4	0.150	0.150	10.000	7.85	14.130		
	Plummer block support (12 x 3.M)(3 Nos),(9 x3) (1no)								
	Plummer block base 10mm plate	8*4	0.300	0.150	10.000	7.85	113.040		
	Plummer block Support-1 10mm plate	4*4	0.330	0.300	10.000	7.85	124.344		
	Plummer block Support-2 10mm plate	4*4	0.330	0.1300	10.000	7.85	53.883		
	Total Quantity						24564.843 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						24564.843 kg		
	Say 24564.843 kg @ Rs 64.19 / kg						Rs 1576817.27		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B including cost of conveyance charges								
	Drive unit(12 x3.M).(3nos)(9x3)(1no)								
	Motor Frame-1 ISMC 150x75	2*4	1.570			16.4	205.984		
	Motor Frame-2 ISMC 150x75	2*4	0.700			16.4	91.840		
	Motor Frame-3 ISMC 150x75	1*4	0.700			16.4	45.920		
	Frame of hand operating mechanism -1 ISA75x75x8	4*4	0.900			8.9	128.160		
	Frame of hand operating mechanism -2 ISA75x75x8	2*4	0.400			8.9	28.481		

Frame of hand operating Mechanism -3 ISA75x75x8	2*4	0.500			8.9	35.600	
Worm reducer support-1 ISA 100x100x8	2*4	0.700			12.1	67.760	
Brake Frame-1 ISA 75x75x8	2*4	0.700			8.9	49.840	
Motorr Frame-1 ISA 75x75x8	2*4	0.700			8.9	49.840	
Plummer block frame ISMC150x75	1*4	0.250			16.4	16.400	
Ladder							
Ladder Rails ISMC 150 x 75	2*2	6.000			16.4	393.600	
Platform ISA 75x75x8	28*2	1.500			8.9	747.600	
Platform ISA 75x75x8	42*2	0.300			8.9	224.280	
Support ISMC150x75	2*2	1.500			16.4	98.400	
Hand rail ISA 75x75x8	10*2	1.000			8.9	178.000	
Hand rail support ISA 75x75x8	10*2	0.150			8.9	26.701	
Dial gauge assy (12 x3.M).(3nos)(9x3)(1no)							
Main frame - 1 ISMC 100 x 50	2*4	0.925			9.2	68.080	
Dial gauge support ISA 50x50x6	2*4	0.050			4.5	1.800	
Hoisting bridge (12 x3.M).(3nos)(9x3)(1no)							
Cross girder -1 (C6), ISMC 300 x90	4*4	2.090			35.8	1197.152	
Cross girder- 2 (C-4), ISMC 200x75	2*4	2.090			22.1	369.512	
Cross girder-3 (C-3), ISMC 150x75	4*4	0.770			16.4	202.048	
Cross girder-4 (C-2), ISMC 150x75	2*4	0.979			16.4	128.445	
Cross girder-5 (C-7), ISMC 150x75	10*4	2.090			16.4	1371.040	

Cross girder-6 ISMC 150x75	4*4	0.979			16.4	256.890	
Cross support- angle ISA 75x75x8	38*4	0.100			8.9	135.280	
Catwalk main frame ISMC150x75	14*4	0.595			16.4	546.448	
Catwalk support angle ISA75x75x8	14*4	0.150			8.9	74.760	
Longitudinal support ISA 65x65x6	2*4	13.990			5.8	649.136	
Hand rail post ISA 65x65x6	28*4	1.250			5.8	812.000	
Hand rail middle 50x8 Flat	2*4	13.990	0.050	8.000	7.85	351.429	
Inclined support ISA 75x75x8	14*4	0.720			8.9	358.848	
Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
Frame-1 ISA 35x35x5	4*4	2.200			2.6	91.521	
Frame-2 ISA 35x35x5	4*4	0.540			2.6	22.465	
Frame-3 ISA 35x35x5	2*4	0.828			2.6	17.223	
Frame-4 ISA 35x35x5	4*4	0.132			2.6	5.492	
Frame-5 ISA 35x35x5	2*5	0.175			2.6	4.550	
Frame -6 ISA 35x35x5	2*4	0.073			2.6	1.519	
Handle support ISA 35x35x5	8*4	0.470			2.6	39.104	
Curved frame-1 50x5 Flat	4*4	1.074	0.050	5.000	7.85	33.724	
Curved frame-2 50x5 Flat	2*4	1.134	0.050	5.000	7.85	17.804	
Gear box assy (12 x3.M).(3nos)(9x3)(1no)							
Winch unit frame-1 ISMC 300x90	2*4	0.240			35.8	68.736	
Winch unit frame-2 ISMC 300x90	2*4	1.500			35.8	429.600	
Winch unit frame-3 ISMC 300x90	2*4	0.770			35.8	220.528	

	Winch unit frame-4 ISM 300x90	2*4	0.900			35.8	257.760		
	Winch unit frame-5 ISM 300x90	2*4	0.620			35.8	177.568		
	Winch unit frame-6 ISM 300x90	2*4	0.690			35.8	197.616		
	Drive unit cover (12 x3.M).(3nos)(9x3)(1no)								
	Frame-1 ISA 35x35x6	2*4	0.840			3.0	20.160		
	Frame-2 ISA 35x35x6	2*4	1.000			3.0	24.000		
	Frame-2 ISA 35x35x6	2*4	0.180			3.0	4.320		
	Frame-4 ISA 35x35x6	2*4	0.994			3.0	23.856		
	Frame-5 ISA 35x35x6	2*4	2.300			3.0	55.200		
	Frame-6 ISA 35x35x6	2*4	0.840			3.0	20.160		
	Frame-7 ISA 35x35x6	3*4	0.770			3.0	27.720		
	Inspection Window supporting angle ISA 35x35x6	1*4	0.850			3.0	10.200		
	Total Quantity						10682.100 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						10682.100 kg		
	Say 10682.100 kg @ Rs 66.14 / kg						Rs 706514.09		
3	85.103 Supply of MS chequered plates including cost of conveyance charges								
	Hoisting platform(12 x3.M).(3nos)(9x3)(1no)								
	MS chequered plate 6mm	2*4	2.050	2.750		49.2	2218.920		
	MS chequered plate 6mm	4*4	1.150	0.985		49.2	891.701		
	MS chequered plate 6mm	2*4	0.495	0.880		49.2	171.453		
	MS chequered plate 6mm	2*4	0.835	0.280		49.2	92.024		
	MS chequered plate 6mm	2*4	2.050	1.800		49.2	1452.384		
	MS chequered plate 6mm	1*4	13.990	0.410		49.2	1128.826		

Step for ladder									
	MS chequered plate 6mm	14*2	1.500	0.300		49.2	619.920		
	Total Quantity						6575.228 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						6575.228 kg		
	Say 6575.228 kg @ Rs 73.34 / kg						Rs 482227.22		
4	od96073/2020_2021 Supply of NB 32mm GI pipe								
Hand Rails NB 32									
	Hand rails of Hoist bridge	2*2*4	13.990				223.840		
	Ladder hand rail	2*2*2	6.000				48.000		
	Total Quantity						271.840 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						271.840 metre		
	Say 271.840 metre @ Rs 235.84 / metre						Rs 64110.75		
5	od95209/2020_2021 Supply of MS Bolts and Nuts								
	Shutter (12 x3.M).(3nos)(9x3)(1no)								
	M16x80 Bolts W/ nuts	8*4				0.18	5.760		
	M16x50 Bolts W/ nuts	8*4				0.14	47.041		
	M16x60 Bolts W/ nuts	8*4				0.15	4.800		
	M16x60 Bolts W/ nuts	8*4				0.06	1.920		
	M20x100 Bolts W/ nuts	4*4				0.36	5.760		
	M12x65 Bolts W/ nuts	6*4				0.09	2.160		
	M20x100 Bolts W/ nuts	12*4				0.36	17.280		
	M12x60 Bolts W/ nuts	20*4				0.08	6.400		
	M16x120 Bolts W/ nuts	8*2*4				0.25	16.000		
	M16x40 Bolts W/ nuts	16*2*4				0.12	15.360		
	M8 Hex screw	8*2*4				0.02	1.280		
	M12x40 Bolts W/ nuts	16*2*4				0.06	7.680		

	M16x55 Bolts W/ nuts	4*4				0.15	2.400		
	M16x70 Bolts W/ nuts	6*2*4				0.17	8.160		
	M6x25 Screw	8*4				0.01	0.320		
	M16x40Bolts W/ nuts	48*4				0.12	23.040		
	Washer	360				0.01	3.600		
	Total Quantity						168.961 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						168.961 kg		
	Say 168.961 kg @ Rs 83.01 / kg						Rs 14025.45		
6	85.107 Supply of MS round bar including cost of conveyance charges								
	Shutter (12 X 3 M) 3 Nos (9 X 3 M) 1 No								
	Dia 12mm Rod	2*4	0.300			0.89	2.136		
	Handle-1 16mm Rod	2*2*4	0.300			1.58	7.584		
	Handle-2 16mm Rod	1*2*4	0.280			1.58	3.540		
	Handle-3 16mm Rod	1*2*4	0.400			1.58	5.057		
	Total Quantity						18.317 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						18.317 kg		
	Say 18.317 kg @ Rs 64.19 / kg						Rs 1175.77		
7	85.124 Fabrication and supply of Hoisting bridge unit in structural steel confirming to IS2062Gr including ladder, covers for hoisting unit etc as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, incidental and handling charges for fixing handrails and allied works etc complete but excluding material already supplied and weight of pipes for hand rails etc								
	Dial assembly (12 x3.M).(3nos)(9x3)(1no)								
	Base plate 8mm plate	1*4	0.470	0.300	8.000	7.85	35.420		
	Stiffener plate-1 10mm plate	2*4	0.185	0.150	10.000	7.85	17.427		
	Stiffener plate-2 10mm plate	1*4	0.170	0.150	10.000	7.85	8.007		
	Shim 2mm plate	1*4	0.165	0.060	2.000	7.85	0.622		
	Plummer block base plate 10mm plate	1*4	0.280	0.090	10.000	7.85	7.913		

	Stiffener plate-1 10mm plate	2*4	0.100	0.090	10.000	7.85	5.652	
	Stiffener plate-2 10mm plate	2*4	0.276	0.230	10.000	7.85	39.866	
	Lifting arrangement (12 x3.M).(3nos)(9x3)(1no)							
	Lifting Bracket Frame1 12mm plate	4*4	1.030	0.590	12.000	7.85	915.926	
	Lifting Bracket side plate -1 10mm plate	4*4	0.300	0.130	10.000	7.85	48.984	
	Lifting Bracket stiffener -1 10mm plate	6*4	0.100	0.080	10.000	7.85	15.072	
	Lifting Bracket stiffener -2 10mm plate	2*4	0.140	0.100	10.000	7.85	8.792	
	Lifting Bracket stiffener -3 10mm plate	4*4	0.100	0.100	10.000	7.85	12.561	
	Rope guard 3.15 sheet	4*4	0.650	0.100	3.150	7.85	25.717	
	Pin lock plate-1 10mm plate	12*4	0.180	0.180	10.000	7.85	122.084	
	Lock plate -10mm plate	24*4	0.130	0.050	10.000	7.85	48.984	
	S p a c e r O D - 150, ID82, 8 Thk	8*4	0.150	0.150	8.000	7.85	45.216	
	Pin Cover-1 10mm plate	4*4	0.080	0.025	10.000	7.85	2.512	
	Lifting bracket Main frame-1 16mm plate	4*4	1.220	0.250	16.000	7.85	612.928	
	Lifting bracket Main frame-2 10mm plate	2*4	1.100	0.128	10.000	7.85	88.423	
	Lifting bracket Base 10mm plate	2*4	1.050	0.400	10.000	7.85	263.760	
	Traverse plate lifting bracket-1 10mm plate	2*4	1.100	0.692	10.000	7.85	478.034	
	Traverse plate lifting bracket-2 10mm plate	2*4	1.269	0.210	10.000	7.85	167.356	
	Wheels & Pinion (12 x3.M).(3nos)(9x3)(1no)							

Wheel Lock plate 15mm plate	6*4	0.025	0.070	15.000	7.85	4.946	
Rope drum unit Rope locking plate 20mm.	2*4	0.100	0.006	20.000	7.85	0.754	
Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
Cover-1 3.15 sheet	2*4	2.200	0.530	3.150	7.85	230.659	
Cover-1 3.15 sheet	4*4	1.415	0.575	3.150	7.85	321.903	
Cover-1 3.15 sheet	2*4	0.310	0.210	3.150	7.85	12.879	
Gear box assembly (12 x3.M).(3nos),(9x3)(1no)							
Frame extension plate-1 10mm plate	2*4	1.500	0.060	10.000	7.85	56.520	
Frame extension plate-2 10mm plate	2*4	0.600	0.060	10.000	7.85	22.608	
Stiffener-1 10mm plate	10*4	0.276	0.140	10.000	7.85	121.330	
Stiffener-2 10mm plate	2*4	0.273	0.080	10.000	7.85	13.716	
Drum support plate-1 10mm plate	8*4	0.120	0.090	10.000	7.85	27.130	
Drum support plate-2 10mm plate	4*4	0.090	0.060	10.000	7.85	6.783	
Drum shaft support plate-1 20mm plate	4*4	0.525	0.350	20.000	7.85	461.580	
Drum shaft support plate-1 20mm plate	4*4	0.280	0.100	20.000	7.85	70.336	
S p a c e r O D - 160, ID76, 8mmThk	4*4	0.160	0.160	8.000	7.85	25.723	
Plummer block frame	8*4	0.260	0.100	50.000	7.85	326.560	
Drive unit cover (12. x3.M)(3 nos).(9x3) (1no).							
Side cover-1 3.15 sheet	2*4	1.472	0.970	3.150	7.85	282.456	
Side cover-2 3.15 sheet	1*4	0.970	0.820	3.150	7.85	78.674	
Side cover-3 3.15 sheet	1*4	0.670	0.820	3.150	7.85	54.342	
Top cover-1 3.15 sheet	1*4	1.640	0.820	3.150	7.85	133.015	

Plate on side plate 5mm plate	1*4	0.150	0.150	5.000	7.85	3.533	
Plate at the opening of both side- 5mm plate	2*4	1.100	0.050	5.000	7.85	17.270	
Drive unit(12 x 3.M)(3nos),(9x3)(3no)							
Worm reducer base-1 10mm plate	1*4	0.380	0.360	10.000	7.85	42.956	
Worm reducer angle support -1 10mm plate	4*4	0.090	0.090	10.000	7.85	10.174	
Worm reducer angle support -2 10mm plate	2*4	0.147	0.100	10.000	7.85	9.232	
Brake support -1 10mm plate	1*4	0.360	0.140	10.000	7.85	15.826	
Brake support stiffener -2 10mm plate	4*4	0.065	0.0650	10.000	7.85	5.307	
Base plate motor-10 mm plate	1*4	0.240	0.190	10.000	7.85	14.319	
Base plate stiffner motor-1-10 mm plate	2*4	0.065	0.065	10.000	7.85	2.654	
Base plate stiffner motor-2--10 mm plate	1*4	0.075	0.050	10.000	7.85	1.178	
Hoisting bridge (12 x 3M)(3 Nos),(9 x3)(1 No)							
Longitudinal Girder Flange 16mm plate	4*4	13.990	0.150	16.000	7.85	4217.146	
Longitudinal Girder Web 10mm plate	2*4	13.990	1.200	10.000	7.85	10542.864	
Base plate Main Girder 20mm plate	4*4	0.340	0.290	20.000	7.85	247.684	
Alignment plate for base plate 10mm plate	4*4	0.590	0.340	10.000	7.85	251.954	
Web stiffener end side 10mm plate	8*4	1.216	0.160	10.000	7.85	488.735	
Anchoring rod end plate Dia 100x10 Thk	16*4	0.100	0.100	10.000	7.85	50.241	
Web stiffener-1 10mm plate	8*4	0.908	0.070	10.000	7.85	159.663	

Web stiffener-2 10mm plate	4*4	1.008	0.070	10.000	7.85	88.624	
Web stiffener-310mm plate	22*4	1.058	0.070	10.000	7.85	511.607	
Web stiffener-410mm plate	32*4	1.200	0.070	10.000	7.85	844.032	
Hand rail base support 10mm plate	14*4	0.250	0.135	10.000	7.85	148.365	
Pulley frame 16mm plate	4*4	1.192	0.525	16.000	7.85	1257.608	
Pulley pin lock plate ,10mm	16*4	0.160	0.050	10.000	7.85	40.192	
Pulley- spacer OD 180, ID 82, 8mm thick	8*4	0.180	0.180	8.000	7.85	65.112	
Plate connect hoist bridge, 10mm plate	2*4	0.150	0.150	10.000	7.85	14.130	
Plummer block support (12 x 3.M)(3 Nos),(9 x3) (1no)							
Plummer block base 10mm plate	8*4	0.300	0.150	10.000	7.85	113.040	
Plummer block Support-1 10mm plate	4*4	0.330	0.300	10.000	7.85	124.344	
Plummer block Support-2 10mm plate	4*4	0.330	0.1300	10.000	7.85	53.883	
Drive unit(12 x3.M).(3nos)(9x3)(1no)							
Motor Frame-1 ISMC 150x75	2*4	1.570			16.4	205.984	
Motor Frame-2 ISMC 150x75	2*4	0.700			16.4	91.840	
Motor Frame-3 ISMC 150x75	1*4	0.700			16.4	45.920	
Frame of hand operating mechanism -1 ISA75x75x8	4*4	0.900			8.9	128.160	
Frame of hand operating mechanism -2 ISA75x75x8	2*4	0.400			8.9	28.481	
Frame of hand operating Mechanism -3 ISA75x75x8	2*4	0.500			8.9	35.600	

Worm reducer support-1 ISA 100x100x8	2*4	0.700			12.1	67.760	
Brake Frame-1 ISA 75x75x8	2*4	0.700			8.9	49.840	
Motorr Frame-1 ISA 75x75x8	2*4	0.700			8.9	49.840	
Plummer block frame ISMC150x75	1*4	0.250			16.4	16.400	
Ladder							
Ladder Rails ISMC 150 x 75	2*2	6.000			16.4	393.600	
Platform ISA 75x75x8	28*2	1.500			8.9	747.600	
Platform ISA 75x75x8	42*2	0.300			8.9	224.280	
Support ISMC150x75	2*2	1.500			16.4	98.400	
Hand rail ISA 75x75x8	10*2	1.000			8.9	178.000	
Hand rail support ISA 75x75x8	10*2	0.150			8.9	26.701	
Dial gauge assy (12 x3.M).(3nos)(9x3)(1no)							
Main frame-1 ISMC 100 x 50	2*4	0.925			9.2	68.080	
Dial gauge support ISA 50x50x6	2*4	0.050			4.5	1.800	
Hoisting bridge (12 x3.M).(3nos)(9x3)(1no)							
Cross girder -1 (C6), ISMC 300 x90	4*4	2.090			35.8	1197.152	
Cross girder- 2 (C-4), ISMC 200x75	2*4	2.090			22.1	369.512	
Cross girder-3 (C-3), ISMC 150x75	4*4	0.770			16.4	202.048	
Cross girder-4 (C-2), ISMC 150x75	2*4	0.979			16.4	128.445	
Cross girder-5 (C-7), ISMC 150x75	10*4	2.090			16.4	1371.040	
Cross girder-6 ISMC 150x75	4*4	0.979			16.4	256.890	

Cross support- angle ISA 75x75x8	38*4	0.100			8.9	135.280	
Catwalk main frame ISMC150x75	14*4	0.595			16.4	546.448	
Catwalk support angle ISA75x75x8	14*4	0.150			8.9	74.760	
Longitudinal support ISA 65x65x6	2*4	13.990			5.8	649.136	
Hand rail post ISA 65x65x6	28*4	1.250			5.8	812.000	
Hand rail middle 50x8 Flat	2*4	13.990	0.050	8.000	7.85	351.429	
Inclined support ISA 75x75x8	14*4	0.720			8.9	358.848	
Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
Frame-1 ISA 35x35x5	4*4	2.200			2.6	91.521	
Frame-2 ISA 35x35x5	4*4	0.540			2.6	22.465	
Frame-3 ISA 35x35x5	2*4	0.828			2.6	17.223	
Frame-4 ISA 35x35x5	4*4	0.132			2.6	5.492	
Frame-5 ISA 35x35x5	2*5	0.175			2.6	4.550	
Frame -6 ISA 35x35x5	2*4	0.073			2.6	1.519	
Handle support ISA 35x35x5	8*4	0.470			2.6	39.104	
Curved frame-1 50x5 Flat	4*4	1.074	0.050	5.000	7.85	33.724	
Curved frame-2 50x5 Flat	2*4	1.134	0.050	5.000	7.85	17.804	
Gear box assy (12 x3.M).(3nos)(9x3)(1no)							
Winch unit frame-1 ISMC 300x90	2*4	0.240			35.8	68.736	
Winch unit frame-2 ISMC 300x90	2*4	1.500			35.8	429.600	
Winch unit frame-3 ISMC 300x90	2*4	0.770			35.8	220.528	
Winch unit frame-4 ISMC 300x90	2*4	0.900			35.8	257.760	

Winch unit frame-5 ISMC 300x90	2*4	0.620			35.8	177.568	
Winch unit frame-6 ISMC 300x90	2*4	0.690			35.8	197.616	
Drive unit cover (12 x3.M).(3nos)(9x3)(1no)							
Frame-1 ISA 35x35x6	2*4	0.840			3.0	20.160	
Frame-2 ISA 35x35x6	2*4	1.000			3.0	24.000	
Frame-2 ISA 35x35x6	2*4	0.180			3.0	4.320	
Frame-4 ISA 35x35x6	2*4	0.994			3.0	23.856	
Frame-5 ISA 35x35x6	2*4	2.300			3.0	55.200	
Frame-6 ISA 35x35x6	2*4	0.840			3.0	20.160	
Frame-7 ISA 35x35x6	3*4	0.770			3.0	27.720	
Inspection Window supporting angle ISA 35x35x6	1*4	0.850			3.0	10.200	
Hoisting platform(12 x3.M).(3nos)(9x3)(1no)							
MS chequered plate 6mm	2*4	2.050	2.750		49.2	2218.920	
MS chequered plate 6mm	4*4	1.150	0.985		49.2	891.701	
MS chequered plate 6mm	2*4	0.495	0.880		49.2	171.453	
MS chequered plate 6mm	2*4	0.835	0.280		49.2	92.024	
MS chequered plate 6mm	2*4	2.050	1.800		49.2	1452.384	
MS chequered plate 6mm	1*4	13.990	0.410		49.2	1128.826	
Step for ladder							
MS chequered plate 6mm	14*2	1.500	0.300		49.2	619.920	
Shutter (12 X 3 M) 3 Nos (9 X 3 M) 1 No							
Dia 12mm Rod	2*4	0.300			0.89	2.136	
Handle-1 16mm Rod	2*2*4	0.300			1.58	7.584	
Handle-2 16mm Rod	1*2*4	0.280			1.58	3.540	
Handle-3 16mm Rod	1*2*4	0.400			1.58	5.057	

	Total Quantity						41840.488 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						41840.488 kg	
	Say 41840.488 kg @ Rs 60.91 / kg						Rs 2548504.12	
8	10.19 Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.							
	Shutter (12 x3.M).(3nos)(9x3)(1no)							
	Rod 25mmx750mm W/2Nuts & Washer	16*4				2.95	188.800	
	Total Quantity						188.800 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						188.800 kg	
	Say 188.800 kg @ Rs 95.20 / kg						Rs 17973.76	
9	od96313/2020_2021 Painting all the exposed surfaces 2 coats of enamel paint over 1 coat of zincchromate 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, incidental charges, hire of T&P etc complete as per the direction of departmental officer at site.							
	Dial assembly (12 x3.M).(3nos)(9x3)(1no)							
	Base plate 8mm plate	1*4	0.470	0.300		2.0	1.128	
	Stiffener plate-1 10mm plate	2*4	0.185	0.150		2.0	0.444	
	Stiffener plate-2 10mm plate	1*4	0.170	0.150		2.0	0.205	
	Shim 2mm plate	1*4	0.165	0.060		2.0	0.080	
	Plummer block base plate 10mm plate	1*4	0.280	0.090		2.0	0.202	
	Stiffener plate-1 10mm plate	2*4	0.100	0.090		2.0	0.144	
	Stiffener plate-2 10mm plate	2*4	0.276	0.230		2.0	1.016	
	Round Dia 20mm,220 Lg	1*4				0.01	0.040	
	R o u n d O D - 4 0 , I D 2 0 , 4 0 L g	1*4				0.12	0.480	
	Lifting arrangement (12 x3.M).(3nos)(9x3)(1no)							

Lifting Bracket Frame1 12mm plate	4*4	1.030	0.590		2.0	19.447	
Lifting Bracket side plate -1 10mm plate	4*4	0.300	0.130		2.0	1.248	
Lifting Bracket stiffener -1 10mm plate	6*4	0.100	0.080		2.0	0.384	
Lifting Bracket stiffener -2 10mm plate	2*4	0.140	0.100		2.0	0.225	
Lifting Bracket stiffener -3 10mm plate	4*4	0.100	0.092		2.0	0.295	
Rope guard 3.15 sheet	4*4	0.650	0.100		2.0	2.080	
Pin lock plate-1 10mm plate	12*4	0.180	0.180		2.0	3.111	
Lock plate -10mm plate	24*4	0.130	0.050		2.0	1.249	
S p a c e r O D - 150, ID82,8 Thk	8*4				0.21	6.720	
Pin Cover-1 10mm plate	4*4	0.080	0.025		2.0	0.064	
Lifting bracket Main frame-1 16mm plate	4*4	1.220	0.250		2.0	9.760	
Lifting bracket Main frame-2 10mm plate	2*4	1.100	0.128		2.0	2.253	
Lifting bracket Base 10mm plate	2*4	1.050	0.400		2.0	6.721	
Traverse plate lifting bracket-1 10mm plate	2*4	1.100	0.692		2.0	12.180	
Traverse plate lifting bracket-2 10mm plate	2*4	1.269	0.210		2.0	4.264	
Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
Cover-1 3.15 sheet	1*4	2.200	0.530		2.0	9.329	
Cover-1 3.15 sheet	2*4	1.415	0.575		2.0	13.018	
Cover-1 3.15 sheet	1*4	0.310	0.210		2.0	0.521	

	Handle side plate 5mm plate	1*4	0.073	0.035		2.0	0.021	
Hoisting bridge (12 x 3M)(3 Nos),(9 x3)(1 No)								
	Longitudinal Girder Flange 16mm plate	4*4	13.990	0.150		2.0	67.152	
	Longitudinal Girder Web 10mm plate	2*4	13.990	1.200		2.0	268.608	
	Base plate Main Girder 20mm plate	4*4	0.340	0.290		2.0	3.156	
	Alignment plate for base plate 10mm plate	4*4	0.590	0.340		2.0	6.420	
	Web stiffener end side 10mm plate	8*4	1.216	0.160		2.0	12.452	
	Anchoring rod end plate Dia 100x10 Thk	16*4				0.31	19.840	
	Web stiffener-1 10mm plate	8*4	0.908	0.070		2.0	4.068	
	Web stiffener-2 10mm plate	4*4	1.008	0.070		2.0	2.258	
	Web stiffener-3 10mm plate	22*4	1.058	0.070		2.0	13.035	
	Web stiffener-4 10mm plate	34*4	1.200	0.070		2.0	22.849	
	Hand rail base support 10mm plate	14*4	0.250	0.135		2.0	3.781	
	Pulley frame 16mm plate	4*4	1.192	0.525		2.0	20.026	
Plummer block support (12 x 3.M)(3 Nos),(9 x3) (1no)								
	Plummer block base 10mm plate	8*4	0.300	0.150		2.0	2.880	
	Plummer block Support-1 10mm plate	4*4	0.330	0.300		2.0	3.168	
	Plummer block Support-2 10mm plate	4*4	0.330	0.1300		2.0	1.373	
Hoisting bridge (12 x3.M).(3nos)(9x3)(1no)								
	Cross girder -1 (C6), ISMC 300 x90	4*4	2.090			0.96	32.103	

Cross girder- 2 (C-4), ISMC 200x75	2*4	2.090			0.7	11.704	
Cross girder-3 (C-3), ISMC 150x75	4*4	0.770			0.6	7.392	
Cross girder-4 (C-2), ISMC 150x75	2*4	0.979			0.6	4.700	
Cross girder-5 (C-7), ISMC 150x75	10*4	2.090			0.6	50.160	
Cross girder-6 ISMC 150x75	4*4	0.979			0.6	9.399	
Cross support- angle ISA 75x75x8	34*4	0.100			0.3	4.080	
Catwalk main frame ISMC150x75	14*4	0.595			0.6	19.992	
Catwalk support angle ISA75x75x8	14*4	0.150			0.3	2.520	
Longitudinal support ISA 65x65x6	2*4	13.990			0.26	29.100	
Hand rail post ISA 65 x 65 x 6	28*4	1.250			0.26	36.400	
Hand rail middle 50x8 Flat	2*4	13.990	0.050		2.0	11.192	
Inclined support ISA 75x75x8	14*4	0.720			0.3	12.096	
Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
Frame-1 ISA 35x35x5	4*4	2.200			0.14	4.929	
Frame-2 ISA 35x35x5	4*4	0.540			0.14	1.210	
Frame-3 ISA 35x35x5	2*4	0.828			0.14	0.928	
Frame-4 ISA 35x35x5	4*4	0.132			0.14	0.296	
Frame-5 ISA 35x35x5	2*4	0.175			0.14	0.196	
Frame -6 ISA 35x35x5	2*4	0.073			0.14	0.082	
Handle support ISA 35x35x5	8*4	0.470			0.14	2.106	
Curved frame-1 50x5 Flat	4*4	1.150	0.050		2.0	1.840	
Curved frame-2 50x5 Flat	2*4	0.835	0.050		2.0	0.668	

Drive unit cover (12. x3.M)(3 nos).(9x3) (1no).								
Side cover-1 3.15 sheet	2*4	1.472	0.970		2.0	22.846		
Side cover-2 3.15 sheet	1*4	0.970	0.820		2.0	6.364		
Side cover-3 3.15 sheet	1*4	0.670	0.820		2.0	4.396		
Top cover-1 3.15 sheet	1*4	1.640	0.820		2.0	10.759		
Gear box assembly (12 x3.M).(3nos),(9x3)(1no)								
Frame extension plate-1 10mm plate	2*4	1.500	0.060		2.0	1.440		
Frame extension plate-2 10mm plate	2*4	0.600	0.060		2.0	0.576		
Stiffener-1 10mm plate	10*4	0.276	0.140		2.0	3.092		
Stiffener-2 10mm plate	2*4	0.273	0.080		2.0	0.350		
Drum support plate-1 10mm plate	8*4	0.120	0.090		2.0	0.692		
Drum support plate-2 10mm plate	4*4	0.090	0.060		2.0	0.173		
Drum shaft support plate-1 20mm plate	4*4	0.525	0.350		2.0	5.880		
Drum shaft support plate-1 20mm plate	4*4	0.280	0.100		2.0	0.897		
S p a c e r O D - 160, ID76, 8mm Thk	4*4				0.64	10.240		
Plummer block frame	8*4	0.260	0.100		2.0	1.665		
Hand Rails NB 32								
Hand rails of Hoist bridge	2*4	13.990			0.13	14.550		
Ladder hand rail	2*2	6.000			0.13	3.120		
Drive unit(12 x 3.M)(3nos),(9x3)(3no)								
Worm reducer base-1 10mm plate	1*4	0.380	0.360		2.0	1.095		

Worm reducer angle support -1 10mm plate	4*4	0.090	0.090		2.0	0.260	
Worm reducer angle support -2 10mm plate	2*4	0.147	0.100		2.0	0.236	
Brake support -1 10mm plate	1*4	0.360	0.140		2.0	0.404	
Brake support stiffener -2 10mm plate	4*4	0.065	0.0650		2.0	0.136	
Base plate motor-10 mm plate	1*4	0.240	0.190		2.0	0.365	
Base plate stiffner motor-1-10 mm plate	2*4	0.065	0.065		2.0	0.068	
Base plate stiffner motor-2--10 mm plate	1*4	0.075	0.050		2.0	0.030	
Rope Drum (12 x 3 M) 3 Nos (9 x 3 M) 1 No							
Rope locking plate 20mm plate	2*4	0.100	0.060		2.0	0.096	
Wheels & Pinion (12 x3.M).(3nos)(9x3)(1no)							
Wheel Lock plate 15mm plate	6*4	0.025	0.070		2.0	0.085	
Ladder							
Ladder Rails ISMC 150 x 75	2*2	6.000			0.6	14.400	
Platform ISA 75x75x8	28*2	1.500			0.3	25.200	
Platform ISA 75x75x8	42*2	0.300			0.3	7.560	
Support ISMC150x75	2*2	1.500			0.6	3.600	
Hand rail ISA 75x75x8	10*2	1.000			0.3	6.000	
Hand rail support ISA 75x75x8	10*2	0.150			0.3	0.900	
Dial gauge assy (12 x3.M).(3nos)(9x3)(1no)							
Main frame - 1 ISMC 100 x 50	2*4	0.925			0.4	2.961	
Dial gauge support ISA 50x50x6	2*4	0.050			0.2	0.081	
Gear box assy (12 x3.M).(3nos)(9x3)(1no)							

Winch unit frame-1 ISMC 300x90	2*4	0.240			0.96	1.844	
Winch unit frame-2 ISMC 300x90	2*4	1.500			0.96	11.520	
Winch unit frame-3 ISMC 300x90	2*4	0.770			0.96	5.914	
Winch unit frame-4 ISMC 300x90	2*4	0.900			0.96	6.912	
Winch unit frame-5 ISMC 300x90	2*4	0.620			0.96	4.762	
Winch unit frame-6 ISMC 300x90	2*4	0.690			0.96	5.300	
Drive unit cover (12 x3.M).(3nos)(9x3)(1no)							
Frame-1 ISA 35x35x6	2*4	0.840			0.14	0.941	
Frame-2 ISA 35x35x6	2*4	1.000			0.14	1.120	
Frame-2 ISA 35x35x6	2*4	0.180			0.14	0.202	
Frame-4 ISA 35x35x6	2*4	0.994			0.14	1.114	
Frame-5 ISA 35x35x6	2*4	2.300			0.14	2.576	
Frame-6 ISA 35x35x6	2*4	0.840			0.14	0.941	
Frame-7 ISA 35x35x6	3*4	0.770			0.14	1.294	
Drive unit(12 x3.M).(3nos)(9x3)(1no)							
Motor Frame-1 ISMC 150x75	2*4	1.570			0.6	7.536	
Motor Frame-2 ISMC 150x75	2*4	0.700			0.6	3.360	
Motor Frame-3 ISMC 150x75	1*4	0.700			0.6	1.680	
Frame of hand operating mechanism -1 ISA75x75x8	4*4	0.900			0.3	4.320	
Frame of hand operating mechanism -2 ISA75x75x8	2*4	0.400			0.3	0.960	
Frame of hand operating Mechanism -3 ISA75x75x8	2*4	0.500			0.3	1.200	

	Worm reducer support-1 ISA 100x100x8	2*4	0.700			0.4	2.240	
	Brake Frame-1 ISA 75x75x8	2*4	0.700			0.3	1.680	
	Motorr Frame-1 ISA 75x75x8	2*4	0.700			0.3	1.680	
	Plummer block frame ISMC150x75	1*4	0.250			0.6	0.600	
	Hoisting platform(12 x3.M).(3nos)(9x3)(1 no)							
	MS chequered plate 6mm	2*4	2.050	2.750		2.0	90.200	
	MS chequered plate 6mm	4*4	1.150	0.985		2.0	36.248	
	MS chequered plate 6mm	2*4	0.495	0.880		2.0	6.970	
	MS chequered plate 6mm	2*4	0.835	0.280		2.0	3.741	
	MS chequered plate 6mm	2*4	2.050	1.800		2.0	59.040	
	MS chequered plate 6mm	1*4	13.990	0.410		2.0	45.888	
	Shutter (12 X 3 M) 3 Nos (9 X 3 M) 1 No							
	Dia 12mm Rod	2*4	0.300			0.05	0.120	
	Handle-1 16mm Rod	2*4	0.300			0.05	0.120	
	Handle-2 16mm Rod	1*2*4	0.280			0.05	0.113	
	Handle-3 16mm Rod	1*2*4	0.400			0.05	0.161	
	Step for ladder							
	MS chequered plate 6mm	14*2	1.500	0.300		2.0	25.200	
	Total Quantity						1278.802 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1278.802 sqm	
	Say 1278.802 sqm @ Rs 566.37 / sqm						Rs 724275.09	
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								
Shutter (12 X 3 M) 3 Nos (9 X 3 M) 1 No								
Dia 12mm Rod	2*4	0.300				0.89	2.136	
Handle-1 16mm Rod	2*2*4	0.300				1.58	7.584	
Handle-2 16mm Rod	1*2*4	0.280				1.58	3.540	
Handle-3 16mm Rod	1*2*4	0.400				1.58	5.057	
Shutter (12 x3.M).(3nos)(9x3)(1no)								
M16x80 Bolts W/ nuts	8*4					0.18	5.760	
M16x50 Bolts W/ nuts	84*4					0.14	47.041	
M16x60 Bolts W/ nuts	8*4					0.15	4.800	
M16x60 Bolts W/ nuts	8*4					0.06	1.920	
M20x100 Bolts W/ nuts	4*4					0.36	5.760	
M12x65 Bolts W/ nuts	6*4					0.09	2.160	
M20x100 Bolts W/ nuts	12*4					0.36	17.280	
M12x60 Bolts W/ nuts	20*4					0.08	6.400	
M16x120 Bolts W/ nuts	8*2*4					0.25	16.000	
M16x40 Bolts W/ nuts	16*2*4					0.12	15.360	
M8 Hex screw	8*2*4					0.02	1.280	
M12x40 Bolts W/ nuts	16*2*4					0.06	7.680	
M16x55 Bolts W/ nuts	4*4					0.15	2.400	
M16x70 Bolts W/ nuts	6*2*4					0.17	8.160	
M6x25 Screw	8*4					0.01	0.320	
M16x40Bolts W/ nuts	48*4					0.12	23.040	
Washer	360					0.01	3.600	
Dial assembly (12 x3.M).(3nos)(9x3)(1no)								
Base plate 8mm plate	1*4	0.470	0.300	8.000		7.85	35.420	
Stiffener plate-1 10mm plate	2*4	0.185	0.150	10.000		7.85	17.427	
Stiffener plate-2 10mm plate	1*4	0.170	0.150	10.000		7.85	8.007	
Shim 2mm plate	1*4	0.165	0.060	2.000		7.85	0.622	

	Plummer block base plate 10mm plate	1*4	0.280	0.090	10.000	7.85	7.913	
	Stiffener plate-1 10mm plate	2*4	0.100	0.090	10.000	7.85	5.652	
	Stiffener plate-2 10mm plate	2*4	0.276	0.230	10.000	7.85	39.866	
	Lifting arrangement (12 x3.M).(3nos)(9x3)(1no)							
	Lifting Bracket Frame1 12mm plate	4*4	1.030	0.590	12.000	7.85	915.926	
	Lifting Bracket side plate -1 10mm plate	4*4	0.300	0.130	10.000	7.85	48.984	
	Lifting Bracket stiffener -1 10mm plate	6*4	0.100	0.080	10.000	7.85	15.072	
	Lifting Bracket stiffener -2 10mm plate	2*4	0.140	0.100	10.000	7.85	8.792	
	Lifting Bracket stiffener -3 10mm plate	4*4	0.100	0.100	10.000	7.85	12.561	
	Rope guard 3.15 sheet	4*4	0.650	0.100	3.150	7.85	25.717	
	Pin lock plate-1 10mm plate	12*4	0.180	0.180	10.000	7.85	122.084	
	Lock plate -10mm plate	24*4	0.130	0.050	10.000	7.85	48.984	
	Spacer O D - 150, ID 82, 8 Thk	8*4	0.150	0.150	8.000	7.85	45.216	
	Pin Cover-1 10mm plate	4*4	0.080	0.025	10.000	7.85	2.512	
	Lifting bracket Main frame-1 16mm plate	4*4	1.220	0.250	16.000	7.85	612.928	
	Lifting bracket Main frame-2 10mm plate	2*4	1.100	0.128	10.000	7.85	88.423	
	Lifting bracket Base 10mm plate	2*4	1.050	0.400	10.000	7.85	263.760	
	Traverse plate lifting bracket-1 10mm plate	2*4	1.100	0.692	10.000	7.85	478.034	

	Traverse plate lifting bracket-2 10mm plate	2*4	1.269	0.210	10.000	7.85	167.356	
	Wheels & Pinion (12 x3.M).(3nos)(9x3)(1no)							
	Wheel Lock plate 15mm plate	6*4	0.025	0.070	15.000	7.85	4.946	
	Rope drum unit Rope locking plate 20mm.	2*4	0.100	0.006	20.000	7.85	0.754	
	Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
	Cover-1 3.15 sheet	2*4	2.200	0.530	3.150	7.85	230.659	
	Cover-1 3.15 sheet	4*4	1.415	0.575	3.150	7.85	321.903	
	Cover-1 3.15 sheet	2*4	0.310	0.210	3.150	7.85	12.879	
	Gear box assembly (12 x3.M).(3nos),(9x3)(1no)							
	Frame extension plate-1 10mm plate	2*4	1.500	0.060	10.000	7.85	56.520	
	Frame extension plate-2 10mm plate	2*4	0.600	0.060	10.000	7.85	22.608	
	Stiffener-1 10mm plate	10*4	0.276	0.140	10.000	7.85	121.330	
	Stiffener-2 10mm plate	2*4	0.273	0.080	10.000	7.85	13.716	
	Drum support plate-1 10mm plate	8*4	0.120	0.090	10.000	7.85	27.130	
	Drum support plate-2 10mm plate	4*4	0.090	0.060	10.000	7.85	6.783	
	Drum shaft support plate-1 20mm plate	4*4	0.525	0.350	20.000	7.85	461.580	
	Drum shaft support plate-1 20mm plate	4*4	0.280	0.100	20.000	7.85	70.336	
	Spacer O D - 160, ID76, 8mm Thk	4*4	0.160	0.160	8.000	7.85	25.723	
	Plummer block frame	8*4	0.260	0.100	50.000	7.85	326.560	
	Drive unit cover (12. x3.M)(3 nos).(9x3) (1no).							
	Side cover-1 3.15 sheet	2*4	1.472	0.970	3.150	7.85	282.456	
	Side cover-2 3.15 sheet	1*4	0.970	0.820	3.150	7.85	78.674	

Side cover-3 3.15 sheet	1*4	0.670	0.820	3.150	7.85	54.342	
Top cover-1 3.15 sheet	1*4	1.640	0.820	3.150	7.85	133.015	
Plate on side plate 5mm plate	1*4	0.150	0.150	5.000	7.85	3.533	
Plate at the opening of both side- 5mm plate	2*4	1.100	0.050	5.000	7.85	17.270	
Drive unit(12 x 3.M)(3nos),(9x3)(3no)							
Worm reducer base-1 10mm plate	1*4	0.380	0.360	10.000	7.85	42.956	
Worm reducer angle support -1 10mm plate	4*4	0.090	0.090	10.000	7.85	10.174	
Worm reducer angle support -2 10mm plate	2*4	0.147	0.100	10.000	7.85	9.232	
Brake support -1 10mm plate	1*4	0.360	0.140	10.000	7.85	15.826	
Brake support stiffener -2 10mm plate	4*4	0.065	0.0650	10.000	7.85	5.307	
Base plate motor-10 mm plate	1*4	0.240	0.190	10.000	7.85	14.319	
Base plate stiffner motor-1-10 mm plate	2*4	0.065	0.065	10.000	7.85	2.654	
Base plate stiffner motor-2--10 mm plate	1*4	0.075	0.050	10.000	7.85	1.178	
Hoisting bridge (12 x 3M)(3 Nos),(9 x3)(1 No)							
Longitudinal Girder Flange 16mm plate	4*4	13.990	0.150	16.000	7.85	4217.146	
Longitudinal Girder Web 10mm plate	2*4	13.990	1.200	10.000	7.85	10542.864	
Base plate Main Girder 20mm plate	4*4	0.340	0.290	20.000	7.85	247.684	
Alignment plate for base plate 10mm plate	4*4	0.590	0.340	10.000	7.85	251.954	
Web stiffener end side 10mm plate	8*4	1.216	0.160	10.000	7.85	488.735	

Anchoring rod end plate Dia 100x10 Thk	16*4	0.100	0.100	10.000	7.85	50.241	
Web stiffener-1 10mm plate	8*4	0.908	0.070	10.000	7.85	159.663	
Web stiffener-2 10mm plate	4*4	1.008	0.070	10.000	7.85	88.624	
Web stiffener-3 10mm plate	22*4	1.058	0.070	10.000	7.85	511.607	
Web stiffener-4 10mm plate	32*4	1.200	0.070	10.000	7.85	844.032	
Hand rail base support 10mm plate	14*4	0.250	0.135	10.000	7.85	148.365	
Pulley frame 16mm plate	4*4	1.192	0.525	16.000	7.85	1257.608	
Pulley pin lock plate ,10mm	16*4	0.160	0.050	10.000	7.85	40.192	
Pulley- spacer OD 180, ID 82, 8mm thick	8*4	0.180	0.180	8.000	7.85	65.112	
Plate connect hoist bridge, 10mm plate	2*4	0.150	0.150	10.000	7.85	14.130	
Plummer block support (12 x 3.M)(3 Nos),(9 x3) (1no)							
Plummer block base 10mm plate	8*4	0.300	0.150	10.000	7.85	113.040	
Plummer block Support-1 10mm plate	4*4	0.330	0.300	10.000	7.85	124.344	
Plummer block Support-2 10mm plate	4*4	0.330	0.1300	10.000	7.85	53.883	
Drive unit(12 x3.M).(3nos)(9x3)(1no)							
Motor Frame-1 ISMC 150x75	2*4	1.570			16.4	205.984	
Motor Frame-2 ISMC 150x75	2*4	0.700			16.4	91.840	
Motor Frame-3 ISMC 150x75	1*4	0.700			16.4	45.920	
Frame of hand operating mechanism -1 ISA75x75x8	4*4	0.900			8.9	128.160	

Frame of hand operating mechanism -2 ISA75x75x8	2*4	0.400			8.9	28.481	
Frame of hand operating Mechanism -3 ISA75x75x8	2*4	0.500			8.9	35.600	
Worm reducer support-1 ISA 100x100x8	2*4	0.700			12.1	67.760	
Brake Frame-1 ISA 75x75x8	2*4	0.700			8.9	49.840	
Motorr Frame-1 ISA 75x75x8	2*4	0.700			8.9	49.840	
Plummer block frame ISMC150x75	1*4	0.250			16.4	16.400	
Ladder							
Ladder Rails ISMC 150 x 75	2*2	6.000			16.4	393.600	
Platform ISA 75x75x8	28*2	1.500			8.9	747.600	
Platform ISA 75x75x8	42*2	0.300			8.9	224.280	
Support ISMC150x75	2*2	1.500			16.4	98.400	
Hand rail ISA 75x75x8	10*2	1.000			8.9	178.000	
Hand rail support ISA 75x75x8	10*2	0.150			8.9	26.701	
Dial gauge assy (12 x3.M).(3nos)(9x3)(1no)							
Main frame - 1 ISMC 100 x 50	2*4	0.925			9.2	68.080	
Dial gauge support ISA 50x50x6	2*4	0.050			4.5	1.800	
Hoisting bridge (12 x3.M).(3nos)(9x3)(1no)							
Cross girder -1 (C6), ISMC 300 x90	4*4	2.090			35.8	1197.152	
Cross girder- 2 (C-4), ISMC 200x75	2*4	2.090			22.1	369.512	
Cross girder-3 (C-3), ISMC 150x75	4*4	0.770			16.4	202.048	
Cross girder-4 (C-2), ISMC 150x75	2*4	0.979			16.4	128.445	

Cross girder-5 (C-7), ISMC 150x75	10*4	2.090			16.4	1371.040	
Cross girder-6 ISMC 150x75	4*4	0.979			16.4	256.890	
Cross support- angle ISA 75x75x8	38*4	0.100			8.9	135.280	
Catwalk main frame ISMC150x75	14*4	0.595			16.4	546.448	
Catwalk support angle ISA75x75x8	14*4	0.150			8.9	74.760	
Longitudinal support ISA 65x65x6	2*4	13.990			5.8	649.136	
Hand rail post ISA 65x65x6	28*4	1.250			5.8	812.000	
Hand rail middle 50x8 Flat	2*4	13.990	0.050	8.000	7.85	351.429	
Inclined support ISA 75x75x8	14*4	0.720			8.9	358.848	
Gear box cover (12 x3.M).(3nos)(9x3)(1no)							
Frame-1 ISA 35x35x5	4*4	2.200			2.6	91.521	
Frame-2 ISA 35x35x5	4*4	0.540			2.6	22.465	
Frame-3 ISA 35x35x5	2*4	0.828			2.6	17.223	
Frame-4 ISA 35x35x5	4*4	0.132			2.6	5.492	
Frame-5 ISA 35x35x5	2*5	0.175			2.6	4.550	
Frame -6 ISA 35x35x5	2*4	0.073			2.6	1.519	
Handle support ISA 35x35x5	8*4	0.470			2.6	39.104	
Curved frame-1 50x5 Flat	4*4	1.074	0.050	5.000	7.85	33.724	
Curved frame-2 50x5 Flat	2*4	1.134	0.050	5.000	7.85	17.804	
Gear box assy (12 x3.M).(3nos)(9x3)(1no)							
Winch unit frame-1 ISMC 300x90	2*4	0.240			35.8	68.736	
Winch unit frame-2 ISMC 300x90	2*4	1.500			35.8	429.600	

	Winch unit frame-3 ISMC 300x90	2*4	0.770			35.8	220.528		
	Winch unit frame-4 ISMC 300x90	2*4	0.900			35.8	257.760		
	Winch unit frame-5 ISMC 300x90	2*4	0.620			35.8	177.568		
	Winch unit frame-6 ISMC 300x90	2*4	0.690			35.8	197.616		
	Drive unit cover (12 x3.M).(3nos)(9x3)(1no)								
	Frame-1 ISA 35x35x6	2*4	0.840			3.0	20.160		
	Frame-2 ISA 35x35x6	2*4	1.000			3.0	24.000		
	Frame-2 ISA 35x35x6	2*4	0.180			3.0	4.320		
	Frame-4 ISA 35x35x6	2*4	0.994			3.0	23.856		
	Frame-5 ISA 35x35x6	2*4	2.300			3.0	55.200		
	Frame-6 ISA 35x35x6	2*4	0.840			3.0	20.160		
	Frame-7 ISA 35x35x6	3*4	0.770			3.0	27.720		
	Inspection Window supporting angle ISA 35x35x6	1*4	0.850			3.0	10.200		
	Other Engineering Organisations Hoisting platform(12 x3.M).(3nos)(9x3)(1no)								
	MS chequered plate 6mm	2*4	2.050	2.750		49.2	2218.920		
	MS chequered plate 6mm	4*4	1.150	0.985		49.2	891.701		
	MS chequered plate 6mm	2*4	0.495	0.880		49.2	171.453		
	MS chequered plate 6mm	2*4	0.835	0.280		49.2	92.024		
	MS chequered plate 6mm	2*4	2.050	1.800		49.2	1452.384		
	MS chequered plate 6mm	1*4	13.990	0.410		49.2	1128.826		
	Step for ladder								
	MS chequered plate 6mm	14*2	1.500	0.300		49.2	619.920		
	Total Quantity						42009.449 kg		
	Total Deducted Quantity						0.000 kg		

SI No	Description	No	L	B	D	CF	Quantity	Remark
Net Total Quantity							42009.449 kg	
Say 42009.449 kg @ Rs 3.45 / kg								Rs 144932.60
10 Appendix E 6- Supplying, stacking, erecting and trial run of rope drum hoisting Unit								
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel							
Shutter(12 x3.M).(3nos)(9x3)(1no)								
	60mm Dia Line shaft	2*4	8.200			22.18	1455.008	
Total Quantity							1455.008 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							1455.008 kg	
Say 1455.008 kg @ Rs 128.95 / kg								Rs 187623.28
2	od96643/2020_2021 Cost of supplying and stacking 20mm, 6/36 construction, right hand lay ungalvanised main fiber core wire rope having UTS 180Kg/mm ² breaking load capacity 19266 Kg confirming to IS2266-1989							
Shutter (12x3 M) 3 Nos (9x3 M) 1 N0								
	18mm wire rope for 10 units	118*4					472.000	
Total Quantity							472.000 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							472.000 metre	
Say 472.000 metre @ Rs 309.77 / metre								Rs 146211.44
3	od96644/2020_2021 Providing DIAL ASSEMBLY							
For hoisting unit								
	For 4 Nos hoisting unit	1*4					4.000	
Total Quantity							4.000 set	
Total Deducted Quantity							0.000 set	
Net Total Quantity							4.000 set	
Say 4.000 set @ Rs 27184.06 / set								Rs 108736.24
4	85.133 Supplying and stacking of 25 Tonne capacity rope drum hoisting unit having 13.5 m lift at a hoisting speed of about 0.45 m/min(+/-10%) through pulley arrangements with 4 numbers of falls on either side with 20mm tested galvanized wire rope 6/36 construction, fibre core having breaking capacity 23853Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 5HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of Line shaft							

	but including 2 nos. of plumper 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.							
	For hoisting unit							
	For 4 Nos hoisting unit	1*4					4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 919042.54 / set						Rs 3676170.16	
5	85.125 Conveying and erecting in position the already supplied rope drum hoisting units (15T/ 20T/25T/30T) capacity on the hoisting bridge and correcting the alignment as far as possible manually as per the direction of departmental officer at site including cost of all labour, machinery, lead and lift and all incidental and conveyance charges etc complete							
	For hoisting unit							
	For 4 Nos hoisting unit	1*4					4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 58070.45 / no						Rs 232281.80	
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 4 Nos hoisting unit	1*4					4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 17719.76 / set						Rs 70879.04	
SI No	Description	No	L	B	D	CF	Quantity	Remark
11 Appendix E- 7 PART II- DIAMOND LOCK GATE-EMBEDDED PARTS								
1	85.101 Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges							
	Embedded parts							

	Anchoring plate sill beam 10mm	4*4	0.2218	0.100	10.000	7.85	27.859		
	Liner plate 16mm	2*4	3.100	3.500	16.000	7.85	10902.080		
	Liner side anchoring plate 10mm	58*4	0.140	0.140	10.000	7.85	356.956		
	Total Quantity						11286.895 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						11286.895 kg		
	Say 11286.895 kg @ Rs 64.19 / kg						Rs 724505.79		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Embedded parts								
	Sill beam ISMC 250x80	4*4	3.516			30.6	1721.434		
	Sill beam support ISA 75x75x8	28*4	0.2218			8.9	221.091		
	Liner side support 1SA 150x150x10	28*4	1.265			7.85	1112.188		
	Liner side support 1SA 150x150x10	14*4	0.780			7.85	342.888		
	Liner beam 1/2 ISMB 400x140	4*4	3.350			7.85	420.760		
	Guide beam 1/2 ISMB 450x150	4*4	3.270			7.85	410.712		
	Total Quantity						4229.073 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						4229.073 kg		
	Say 4229.073 kg @ Rs 66.14 / kg						Rs 279710.89		
3	85.107 Supply of MS round bar including cost of conveyance charges								
	Embedded parts								
	Anchoring rod ISRO 16 sill beam	84*4	0.325			1.58	172.536		
	Anchoring rod ISRO 16 liner	112*4	0.325			1.58	230.048		

	Anchoring rod ISRO 16 guide	56*4	0.325			1.58	115.024		
	Total Quantity						517.608 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						517.608 kg		
	Say 517.608 kg @ Rs 64.19 / kg						Rs 33225.26		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
12 Appendix E- 8 Fabrication,erection of embedded parts Diamond lock									
1	85.108 Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of depl officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied								
	Embedded parts								
	Anchoring plate sill beam 10mm	4*4	0.2218	0.100	10.000	7.85	27.859		
	Liner plate 16mm	2*4	3.100	3.500	16.000	7.85	10902.080		
	Liner side anchoring plate 10mm	58*4	0.140	0.140	10.000	7.85	356.956		
	Embedded parts								
	Sill beam ISMC 250x80	4*4	3.516			30.6	1721.434		
	Sill beam support ISA 75x75x8	28*4	0.2218			8.9	221.091		
	Liner side support 1SA 150x150x10	28*4	1.265			7.85	1112.188		
	Liner side support 1SA 150x150x10	14*4	0.780			7.85	342.888		
	Liner beam 1/2 ISMB 400x140	4*4	3.350			7.85	420.760		
	Guide beam 1/2 ISMB 450x150	4*4	3.270			7.85	410.712		
	Embedded parts								
	Anchoring rod ISRO 16 sill beam	84*4	0.325			1.58	172.536		
	Anchoring rod ISRO 16 liner	112*4	0.325			1.58	230.048		

	Anchoring rod ISRO 16 guide	56*4	0.325			1.58	115.024	
	Total Quantity						16033.576 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						16033.576 kg	
	Say 16033.576 kg @ Rs 78.09 / kg						Rs 1252061.95	
2	od96651/2020_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 planning, welding, grinding etc, lead and lift, conveyance, incidental and handling etc complete							
	Embedded parts							
	Guide roller track SS plate 8mm	4*4	3.275	0.170	8.000	7.85	559.423	
	Total Quantity						559.423 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						559.423 kg	
	Say 559.423 kg @ Rs 513.36 / kg						Rs 287185.39	
SI No	Description	No	L	B	D	CF	Quantity	Remark
13 Appendix E 9 Cost of supply and stacking material for diamond lock gate								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	Details of gate assembly-Diamond lock							
	Skin plate 10mm	1*8	3.270	3.300	10.000	7.85	6776.748	
	Stiffener plate 10mm	6*8	2.980	0.120	10.000	7.85	1347.437	
	End plate 16mm	1*8	1.580	3.300	16.000	7.85	5239.028	
	Vertical stiffener plate 16mm	1*8	0.338	0.526	16.000	7.85	178.642	
	Vertical stiffener plate 16mm	2*8	0.161	0.526	16.000	7.85	170.185	
	Vertical stiffener plate 16mm	1*8	0.338	0.694	16.000	7.85	235.698	
	Vertical stiffener plate 16mm	2*8	0.161	0.694	16.000	7.85	224.541	
	Vertical stiffener plate 16mm	1*8	0.338	0.926	16.000	7.85	314.491	

Vertical stiffener plate 16mm	2*8	0.161	0.926	16.000	7.85	299.604	
Vertical stiffener plate 16mm	5*8	0.338	0.338	16.000	7.85	573.962	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.326	12.000	7.85	810.723	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.210	12.000	7.85	522.245	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.500	12.000	7.85	1243.440	
Vertical stiffener plate 10mm	2*8	0.340	0.096	10.000	7.85	40.996	
Vertical stiffener plate 10mm	2*8	0.340	0.392	10.000	7.85	167.400	
Vertical stiffener plate 10mm	2*8	0.340	0.892	10.000	7.85	380.920	
Vertical stiffener plate 10mm	2*8	0.340	0.702	10.000	7.85	299.783	
Vertical stiffener plate 10mm	2*8	0.340	0.542	10.000	7.85	231.456	
Vertical stiffener plate 10mm	2*8	0.340	0.432	10.000	7.85	184.482	
Vertical stiffener plate 10mm	2*8	0.340	0.196	10.000	7.85	83.700	
Vertical stiffener plate 10mm	1*8	0.338	0.096	10.000	7.85	20.378	
Vertical stiffener plate 10mm	1*8	0.338	0.392	10.000	7.85	83.208	
Vertical stiffener plate 10mm	1*8	0.338	0.892	10.000	7.85	189.340	
Vertical stiffener plate 10mm	1*8	0.338	0.702	10.000	7.85	149.010	
Vertical stiffener plate 10mm	1*8	0.338	0.542	10.000	7.85	115.048	
Vertical stiffener plate 10mm	1*8	0.338	0.432	10.000	7.85	91.699	
Vertical stiffener plate 10mm	1*8	0.338	0.196	10.000	7.85	41.604	

	Vertical stiffener plate 10mm	8*8	0.200	0.096	10.000	7.85	96.461	
	Vertical stiffener plate 10mm	8*8	0.200	0.392	10.000	7.85	393.882	
	Vertical stiffener plate 10mm	8*8	0.200	0.892	10.000	7.85	896.282	
	Vertical stiffener plate 10mm	8*8	0.200	0.702	10.000	7.85	705.370	
	Vertical stiffener plate 10mm	8*8	0.200	0.542	10.000	7.85	544.602	
	Vertical stiffener plate 10mm	8*8	0.200	0.432	10.000	7.85	434.074	
	Vertical stiffener plate 10mm	8*8	0.200	0.196	10.000	7.85	196.941	
	Vertical stiffener plate 10mm	2*8	0.210	0.260	10.000	7.85	68.578	
	Vertical stiffener plate 10mm	2*8	0.210	0.760	10.000	7.85	200.458	
	Vertical stiffener plate 10mm	2*8	0.210	0.570	10.000	7.85	150.344	
	Vertical stiffener plate 10mm	2*8	0.210	0.410	10.000	7.85	108.142	
	Vertical stiffener plate 10mm	2*8	0.210	0.300	10.000	7.85	79.128	
	Shutter top hand rail plate 8mm	2*8	0.050	2.390	8.000	7.85	120.074	
	stiffener near bearing block 10mm	6*8	0.290	0.388	8.000	7.85	339.181	
	Wood Seal fixing plate 10mm	1*8	0.800	3.460	8.000	7.85	1390.644	
	Pintle assembly plate	1*8	0.420	1.042	655.000	7.85	18001.884	
	Pintle assembly plate	1*8	0.338	0.450	461.000	7.85	4403.417	
							Total Quantity	48145.230 kg
							Total Deducted Quantity	0.000 kg
							Net Total Quantity	48145.230 kg
							Say 48145.230 kg @ Rs 64.19 / kg	Rs 3090442.31
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance							

	charges								
	Diamond lock gate								
	Horizontal stiffener ISMB 350x140	6*8	3.425			52.4	8614.560		
	Shutter top platform support ISMC 150x75	6*8	0.180			16.4	141.696		
	Plat form frame ISMC 150x75	2*8	3.080			16.4	808.192		
	Plat form frame ISMC 150x75	3*8	0.850			16.4	334.560		
	Plat form frame ISA 65x65x8	2*8	3.080			7.7	379.456		
	Plat form frame Stiffener ISA 75x75x8	6*8	0.150			8.9	64.080		
	Hand rail post ISA 50x50x6	6*8	1.250			4.5	270.000		
	Total Quantity						10612.544 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						10612.544 kg		
	Say 10612.544 kg @ Rs 66.14 / kg						Rs 701913.66		
3	85.103 Supply of MS chequered plates including cost of conveyance charges								
	Diamond lock gate								
	Platform chequered plate 8mm	1*8	3.080	0.850		68.09	1426.077		
	Total Quantity						1426.077 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						1426.077 kg		
	Say 1426.077 kg @ Rs 73.34 / kg						Rs 104588.49		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
14 Appendix E-10 - Fabrication supply of Diamond lock gate									
1	od96891/2020_2021 Fabrication and supply of Structural steel Diamond lock 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								
	Diamond lock gate								

Horizontal stiffener ISMB 350x140	6*8	3.425			52.4	8614.560	
Shutter top platform support ISMC 150x75	6*8	0.180			16.4	141.696	
Plat form frame ISMC 150x75	2*8	3.080			16.4	808.192	
Plat form frame ISMC 150x75	3*8	0.850			16.4	334.560	
Plat form frame ISA 65x65x8	2*8	3.080			7.7	379.456	
Plat form frame Stiffener ISA 75x75x8	6*8	0.150			8.9	64.080	
Hand rail post ISA 50x50x6	6*8	1.250			4.5	270.000	
Details of gate assembly-Diamond lock							
Skin plate 10mm	1*8	3.270	3.300	10.000	7.85	6776.748	
Stiffener plate 10mm	6*8	2.980	0.120	10.000	7.85	1347.437	
End plate 16mm	1*8	1.580	3.300	16.000	7.85	5239.028	
Vertical stiffener plate 16mm	1*8	0.338	0.526	16.000	7.85	178.642	
Vertical stiffener plate 16mm	2*8	0.161	0.526	16.000	7.85	170.185	
Vertical stiffener plate 16mm	1*8	0.338	0.694	16.000	7.85	235.698	
Vertical stiffener plate 16mm	2*8	0.161	0.694	16.000	7.85	224.541	
Vertical stiffener plate 16mm	1*8	0.338	0.926	16.000	7.85	314.491	
Vertical stiffener plate 16mm	2*8	0.161	0.926	16.000	7.85	299.604	
Vertical stiffener plate 16mm	5*8	0.338	0.338	16.000	7.85	573.962	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.326	12.000	7.85	810.723	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.210	12.000	7.85	522.245	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.500	12.000	7.85	1243.440	

Vertical stiffener plate 10mm	2*8	0.340	0.096	10.000	7.85	40.996	
Vertical stiffener plate 10mm	2*8	0.340	0.392	10.000	7.85	167.400	
Vertical stiffener plate 10mm	2*8	0.340	0.892	10.000	7.85	380.920	
Vertical stiffener plate 10mm	2*8	0.340	0.702	10.000	7.85	299.783	
Vertical stiffener plate 10mm	2*8	0.340	0.542	10.000	7.85	231.456	
Vertical stiffener plate 10mm	2*8	0.340	0.432	10.000	7.85	184.482	
Vertical stiffener plate 10mm	2*8	0.340	0.196	10.000	7.85	83.700	
Vertical stiffener plate 10mm	1*8	0.338	0.096	10.000	7.85	20.378	
Vertical stiffener plate 10mm	1*8	0.338	0.392	10.000	7.85	83.208	
Vertical stiffener plate 10mm	1*8	0.338	0.892	10.000	7.85	189.340	
Vertical stiffener plate 10mm	1*8	0.338	0.702	10.000	7.85	149.010	
Vertical stiffener plate 10mm	1*8	0.338	0.542	10.000	7.85	115.048	
Vertical stiffener plate 10mm	1*8	0.338	0.432	10.000	7.85	91.699	
Vertical stiffener plate 10mm	1*8	0.338	0.196	10.000	7.85	41.604	
Vertical stiffener plate 10mm	8*8	0.200	0.096	10.000	7.85	96.461	
Vertical stiffener plate 10mm	8*8	0.200	0.392	10.000	7.85	393.882	
Vertical stiffener plate 10mm	8*8	0.200	0.892	10.000	7.85	896.282	
Vertical stiffener plate 10mm	8*8	0.200	0.702	10.000	7.85	705.370	
Vertical stiffener plate 10mm	8*8	0.200	0.542	10.000	7.85	544.602	

	Vertical stiffener plate 10mm	8*8	0.200	0.432	10.000	7.85	434.074	
	Vertical stiffener plate 10mm	8*8	0.200	0.196	10.000	7.85	196.941	
	Vertical stiffener plate 10mm	2*8	0.210	0.260	10.000	7.85	68.578	
	Vertical stiffener plate 10mm	2*8	0.210	0.760	10.000	7.85	200.458	
	Vertical stiffener plate 10mm	2*8	0.210	0.570	10.000	7.85	150.344	
	Vertical stiffener plate 10mm	2*8	0.210	0.410	10.000	7.85	108.142	
	Vertical stiffener plate 10mm	2*8	0.210	0.300	10.000	7.85	79.128	
	Shutter top hand rail plate 8mm	2*8	0.050	2.390	8.000	7.85	120.074	
	stiffener near bearing block 10mm	6*8	0.290	0.388	8.000	7.85	339.181	
	Wood Seal fixing plate 10mm	1*8	0.800	3.460	8.000	7.85	1390.644	
	Pintle assembly plate	1*8	0.420	1.042	655.000	7.85	18001.884	
	Pintle assembly plate	1*8	0.338	0.450	461.000	7.85	4403.417	
Diamond lock gate								
	Platform chequered plate 8mm	1*8	3.080	0.850		68.09	1426.077	
Total Quantity							60183.851 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							60183.851 kg	
Say 60183.851 kg @ Rs 65.52 / kg							Rs 3943245.92	
SI No	Description	No	L	B	D	CF	Quantity	Remark
15 Appendix E-11 -Painting of Diamond lock gate								

1	85.112 Painting all the exposed surfaces of the gate and embedded parts with two coats of epoxy coal tar black paint conforming 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						
	Diamond lock gate						
	Horizontal stiffener ISMB 350x140	6*8	3.425			1.26	207.144
	Shutter top platform support ISMC 150x75	6*8	0.180			0.6	5.184
	Plat form frame ISMC 150x75	2*8	3.080			0.6	29.568
	Plat form frame ISMC 150x75	3*8	0.850			0.6	12.240
	Plat form frame ISA 65x65x8	2*8	3.080			0.26	12.813
	Plat form frame Stiffener ISA 75x75x8	6*8	0.150			0.3	2.160
	Hand rail post ISA 50x50x6	6*8	1.250			0.2	12.000
	Details of gate assembly-Diamond lock						
	Skin plate 10mm	1*8	3.270	3.300		2.0	172.656
	Stiffener plate 10mm	6*8	2.980	0.120		2.0	34.330
	End plate 16mm	1*8	1.580	3.300		2.0	83.424
	Vertical stiffener plate 16mm	1*8	0.338	0.526		2.0	2.845
	Vertical stiffener plate 16mm	2*8	0.161	0.526		2.0	2.710
	Vertical stiffener plate 16mm	1*8	0.338	0.694		2.0	3.754
	Vertical stiffener plate 16mm	2*8	0.161	0.694		2.0	3.576
	Vertical stiffener plate 16mm	1*8	0.338	0.926		2.0	5.008
	Vertical stiffener plate 16mm	2*8	0.161	0.926		2.0	4.771

Vertical stiffener plate 16mm	5*8	0.338	0.338		2.0	9.140	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.326		2.0	17.213	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.210		2.0	11.088	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.500		2.0	26.400	
Vertical stiffener plate 10mm	2*8	0.340	0.096		2.0	1.045	
Vertical stiffener plate 10mm	2*8	0.340	0.392		2.0	4.265	
Vertical stiffener plate 10mm	2*8	0.340	0.892		2.0	9.705	
Vertical stiffener plate 10mm	2*8	0.340	0.702		2.0	7.638	
Vertical stiffener plate 10mm	2*8	0.340	0.542		2.0	5.897	
Vertical stiffener plate 10mm	2*8	0.340	0.432		2.0	4.701	
Vertical stiffener plate 10mm	2*8	0.340	0.196		2.0	2.133	
Vertical stiffener plate 10mm	1*8	0.338	0.096		2.0	0.520	
Vertical stiffener plate 10mm	1*8	0.338	0.392		2.0	2.120	
Vertical stiffener plate 10mm	1*8	0.338	0.892		2.0	4.824	
Vertical stiffener plate 10mm	1*8	0.338	0.702		2.0	3.797	
Vertical stiffener plate 10mm	1*8	0.338	0.542		2.0	2.932	
Vertical stiffener plate 10mm	1*8	0.338	0.432		2.0	2.337	
Vertical stiffener plate 10mm	1*8	0.338	0.196		2.0	1.060	
Vertical stiffener plate 10mm	8*8	0.200	0.096		2.0	2.458	

	Vertical stiffener plate 10mm	8*8	0.200	0.392		2.0	10.036	
	Vertical stiffener plate 10mm	8*8	0.200	0.892		2.0	22.836	
	Vertical stiffener plate 10mm	8*8	0.200	0.702		2.0	17.972	
	Vertical stiffener plate 10mm	8*8	0.200	0.542		2.0	13.876	
	Vertical stiffener plate 10mm	8*8	0.200	0.432		2.0	11.060	
	Vertical stiffener plate 10mm	8*8	0.200	0.196		2.0	5.018	
	Vertical stiffener plate 10mm	2*8	0.210	0.260		2.0	1.748	
	Vertical stiffener plate 10mm	2*8	0.210	0.760		2.0	5.108	
	Vertical stiffener plate 10mm	2*8	0.210	0.570		2.0	3.831	
	Vertical stiffener plate 10mm	2*8	0.210	0.410		2.0	2.756	
	Vertical stiffener plate 10mm	2*8	0.210	0.300		2.0	2.016	
	Shutter top hand rail plate 8mm	2*8	0.050	2.390		2.0	3.825	
	stiffener near bearing block 10mm	6*8	0.290	0.388		2.0	10.802	
	Wood Seal fixing plate 10mm	1*8	0.800	3.460		2.0	44.289	
	Pintle assembly plate	1*8	0.420	1.042		2.0	7.003	
	Pintle assembly plate	1*8	0.338	0.450		2.0	2.434	
	Diamond lock gate							
	Platform chequered plate 8mm	1*8	3.080	0.850		2.0	41.888	
	Total Quantity						919.954 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						919.954 sqm	
	Say 919.954 sqm @ Rs 819.39 / sqm						Rs 753801.11	

SI No	Description	No	L	B	D	CF	Quantity	Remark	
16 Appendix E-12 -Supply and fixing seal									
1	od97139/2020_2021 Supplying and fixing in correct position with rubber seals and Thambakam wood seal on the gates including cost of SS bolts and nut all labour and machinery and incidental and conveyance charges complete as per approved specification and drawing								
	Rubber and wood seal								
	Rubber and wood seal	4*2	3.500				28.000		
	Total Quantity						28.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						28.000 metre		
	Say 28.000 metre @ Rs 7646.82 / metre						Rs 214110.96		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
17 Appendix E-13 Cost of supply and stacking material for Pintle Assembly									
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges								
	Pintle Assembly								
	Anchoring plate 12mm	8*8	0.200	0.200	12.000	7.85	241.153		
	Connection plate 10mm	3*8	0.140	0.140	10.000	7.85	36.927		
	Anchoring plate 12mm	3*8	0.150	0.150	10.000	7.85	42.390		
	Total Quantity						320.470 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						320.470 kg		
	Say 320.470 kg @ Rs 64.19 / kg						Rs 20570.97		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	Pintle Assembly								
	Anchoring Rod Connecting frame ISA 150x150x10	1*8	0.945			22.8	172.368		
	Total Quantity						172.368 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						172.368 kg		
	Say 172.368 kg @ Rs 66.14 / kg						Rs 11400.42		

3	85.107 Supply of MS round bar including cost of conveyance charges							
Pintle Assembly								
	Anchoring Rod ISRO 30	4*8	0.500			5.57	89.120	
	Anchoring Rod ISRO 40	8*8	1.000			9.86	631.040	
Total Quantity							720.160 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							720.160 kg	
Say 720.160 kg @ Rs 64.19 / kg							Rs 46227.07	
SI No	Description	No	L	B	D	CF	Quantity	Remark
18 Appendix E-14 Fabrication of Pintle Assembly material								
1	od97304/2020_2021 Fabrication and supply of Structural steel Diamond lock gate Pintle assembly 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							
Pintle Assembly								
	Anchoring plate 12mm	8*8	0.200	0.200	12.000	7.85	241.153	
	Connection plate 10mm	3*8	0.140	0.140	10.000	7.85	36.927	
	Anchoring plate 12mm	3*8	0.150	0.150	10.000	7.85	42.390	
Pintle Assembly								
	Anchoring Rod Connecting frame ISA 150x150x10	1*8	0.945			22.8	172.368	
Pintle Assembly								
	Anchoring Rod ISRO 30	4*8	0.500			5.57	89.120	
	Anchoring Rod ISRO 40	8*8	1.000			9.86	631.040	
Total Quantity							1212.998 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							1212.998 kg	
Say 1212.998 kg @ Rs 65.96 / kg							Rs 80009.35	
SI No	Description	No	L	B	D	CF	Quantity	Remark

19 Appendix E-15 Supply and fixing Pintle assembly								
1	od97316/2020_2021 Supplying and fixing Pintle assembly 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							
Pintle Assembly								
	Pintle Assembly	1*8					8.000	
Total Quantity							8.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							8.000 no	
Say 8.000 no @ Rs 191823.36 / no							Rs 1534586.88	
SI No	Description	No	L	B	D	CF	Quantity	Remark
20 Appendix E- 16 Cost of supply and stacking material for Pivot Assembly								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
Pivot Assembly								
	Connecting plate 40mm	2*8	0.200	0.100	40.000	7.85	100.481	
	Block plate 100mm	2*8	0.250	0.100	100.000	7.85	314.000	
	Anchoring plate 32mm	2*8	0.400	0.350	32.000	7.85	562.688	
	Base plate 10mm	4*8	0.300	0.265	10.000	7.85	199.704	
	Anchoring plate 12mm	12*8	0.080	0.080	12.000	7.85	57.877	
	Side plate 10mm	12*8	0.090	0.090	10.000	7.85	61.042	
Total Quantity							1295.792 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							1295.792 kg	
Say 1295.792 kg @ Rs 64.19 / kg							Rs 83176.89	
2	85.107 Supply of MS round bar including cost of conveyance charges							
Pivot Assembly								
	Anchoring Rod ISRO 40	12*8	0.750			9.86	709.920	
Total Quantity							709.920 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							709.920 kg	

SI No	Description	No	L	B	D	CF	Quantity	Remark
Say 709.920 kg @ Rs 64.19 / kg							Rs 45569.76	
21 Appendix E-17 Fabrication of Pivot Assembly								
1	od97355/2020_2021 Fabrication and supply of Structural steel Diamond lock gate Pivot assembly 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							
Pivot Assembly								
	Connecting plate 40mm	2*8	0.200	0.100	40.000	7.85	100.481	
	Block plate 100mm	2*8	0.250	0.100	100.000	7.85	314.000	
	Anchoring plate 32mm	2*8	0.400	0.350	32.000	7.85	562.688	
	Base plate 10mm	4*8	0.300	0.265	10.000	7.85	199.704	
	Anchoring plate 12mm	12*8	0.080	0.080	12.000	7.85	57.877	
	Side plate 10mm	12*8	0.090	0.090	10.000	7.85	61.042	
Pivot Assembly								
	Anchoring Rod ISRO 40	12*8	0.750			9.86	709.920	
Total Quantity							2005.712 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							2005.712 kg	
Say 2005.712 kg @ Rs 65.96 / kg							Rs 132296.76	
SI No	Description	No	L	B	D	CF	Quantity	Remark
22 Appendix E-18 Supply and fixing Pivot Assembly								
1	od97368/2020_2021 Supplying and fixing Pivot assembly 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							
Pivot Assembly								
	Pivot Assembly	1*8					8.000	
Total Quantity							8.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							8.000 no	
Say 8.000 no @ Rs 141280.25 / no							Rs 1130242.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark

23 Appendix E-19 Cost of supply and stacking material for Rack and Pinion								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	Rack and pinion Assembly							
	Base plate 50mm	1*8	0.650	0.550	50.000	7.85	1122.551	
	Side plate 50mm	1*8	0.950	0.550	50.000	7.85	1640.650	
	Anchoring Connection plate 16mm	10*8	0.150	0.150	16.000	7.85	226.080	
	Base plate 25mm	1*8	0.400	0.400	25.000	7.85	251.201	
	Side plate 25mm	1*8	0.890	0.400	25.000	7.85	558.920	
	Base plate 25mm	1*8	0.700	0.400	25.000	7.85	439.600	
	Side plate 25mm	1*8	0.695	0.190	25.000	7.85	207.319	
	connecting plate 25 mm	1*8	0.885	0.345	25.000	7.85	479.361	
	Side plate 20mm	1*8	0.500	0.300	20.000	7.85	188.400	
	connecting plate 25 mm	2*8	0.300	0.190	20.000	7.85	143.184	
	Anchoring plate 12mm	2*8	0.100	0.095	12.000	7.85	14.319	
	Anchoring plate 12mm	2*8	0.100	0.305	12.000	7.85	45.970	
	Anchoring plate 12mm	2*8	0.390	0.250	12.000	7.85	146.952	
						Total Quantity	5464.507 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	5464.507 kg	
						Say 5464.507 kg @ Rs 64.19 / kg	Rs 350766.70	
2	85.107 Supply of MS round bar including cost of conveyance charges							
	Rack and pinion Assembly							
	Anchoring Rod ISRO 30	10*8	0.750			5.57	334.201	
						Total Quantity	334.201 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	334.201 kg	
						Say 334.201 kg @ Rs 64.19 / kg	Rs 21452.36	
SI No	Description	No	L	B	D	CF	Quantity	Remark
24 Appendix E- 20 Fabrication of the material for the Rack and Pinion Assembly								

1	od97355/2020_2021 Fabrication and supply of Structural steel Diamond lock gate Pivot assembly 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							
	Rack and pinion Assembly							
	Base plate 50mm	1*8	0.650	0.550	50.000	7.85	1122.551	
	Side plate 50mm	1*8	0.950	0.550	50.000	7.85	1640.650	
	Anchoring Connection plate 16mm	10*8	0.150	0.150	16.000	7.85	226.080	
	Base plate 25mm	1*8	0.400	0.400	25.000	7.85	251.201	
	Side plate 25mm	1*8	0.890	0.400	25.000	7.85	558.920	
	Base plate 25mm	1*8	0.700	0.400	25.000	7.85	439.600	
	Side plate 25mm	1*8	0.695	0.190	25.000	7.85	207.319	
	connecting plate 25 mm	1*8	0.885	0.345	25.000	7.85	479.361	
	Side plate 20mm	1*8	0.500	0.300	20.000	7.85	188.400	
	connecting plate 25 mm	2*8	0.300	0.190	20.000	7.85	143.184	
	Anchoring plate 12mm	2*8	0.100	0.095	12.000	7.85	14.319	
	Anchoring plate 12mm	2*8	0.100	0.305	12.000	7.85	45.970	
	Anchoring plate 12mm	2*8	0.390	0.250	12.000	7.85	146.952	
	Rack and pinion Assembly							
	Anchoring Rod ISRO 30	10*8	0.750			5.57	334.201	
	Total Quantity						5798.708 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						5798.708 kg	
	Say 5798.708 kg @ Rs 65.96 / kg						Rs 382482.78	
SI No	Description	No	L	B	D	CF	Quantity	Remark
25 Appendix E- 21 Supply and fixing of Rack and Pinion Assembly								
1	od97405/2020_2021 Supplying and Fixing Of Rack and pinion assembly with geared motor,wheel and pinion ,rack ,bearing 51212,etc equipments as per drawings specifications and statutory requirements							
	Rack and pinion Assembly							

	Rack and pinion Assembly	8						8.000	
	Total Quantity							8.000 set	
	Total Deducted Quantity							0.000 set	
	Net Total Quantity							8.000 set	
	Say 8.000 set @ Rs 275331.85 / set							Rs 2202654.80	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
26 Appendix E- 22 Cost of Supply and Stacking material for Guide roller									
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges								
	Guide roller								
	Roller connect plate 16mm	2*8	0.150	0.185	16.000	7.85	55.767		
	Base plate 16mm	1*8	0.300	0.300	16.000	7.85	90.432		
	Lock plate 8mm	2*8	0.090	0.040	8.000	7.85	3.618		
	Total Quantity							149.817 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							149.817 kg	
	Say 149.817 kg @ Rs 64.19 / kg							Rs 9616.75	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
27 Appendix E- 23 Fabrication of materials for guide roller									
1	od97355/2020_2021 Fabrication and supply of Structural steel Diamond lock gate Pivot assembly 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								
	Guide roller								
	Roller connect plate 16mm	2*8	0.150	0.185	16.000	7.85	55.767		
	Base plate 16mm	1*8	0.300	0.300	16.000	7.85	90.432		
	Lock plate 8mm	2*8	0.090	0.040	8.000	7.85	3.618		
	Total Quantity							149.817 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							149.817 kg	
	Say 149.817 kg @ Rs 65.96 / kg							Rs 9881.93	
SI No	Description	No	L	B	D	CF	Quantity	Remark	

28 Appendix E-24 Supply and fixing of guide roller Assembly								
1	od97409/2020_2021 Supplying and fixing Guide roller assembly 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							
Guide roller Assembly								
	Guide roller Assembly	2*8					16.000	
Total Quantity							16.000	no
Total Deducted Quantity							0.000	no
Net Total Quantity							16.000	no
Say 16.000 no @ Rs 37697.78 / no							Rs 603164.48	
SI No	Description	No	L	B	D	CF	Quantity	Remark
29 Appendix E- 25 Erection of the Diamond Lock Shutter								
1	od97412/2020_2021 Erection of the diamond lock shutter. 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							
Diamond lock gate								
	Horizontal stiffener ISMB 350x140	6*8	3.425			52.4	8614.560	
	Shutter top platform support ISMC 150x75	6*8	0.180			16.4	141.696	
	Plat form frame ISMC 150x75	2*8	3.080			16.4	808.192	
	Plat form frame ISMC 150x75	3*8	0.850			16.4	334.560	
	Plat form frame ISA 65x65x8	2*8	3.080			7.7	379.456	
	Plat form frame Stiffener ISA 75x75x8	6*8	0.150			8.9	64.080	
	Hand rail post ISA 50x50x6	6*8	1.250			4.5	270.000	
Details of gate assembly-Diamond lock								
	Skin plate 10mm	1*8	3.270	3.300	10.000	7.85	6776.748	
	Stiffener plate 10mm	6*8	2.980	0.120	10.000	7.85	1347.437	
	End plate 16mm	1*8	1.580	3.300	16.000	7.85	5239.028	

Vertical stiffener plate 16mm	1*8	0.338	0.526	16.000	7.85	178.642	
Vertical stiffener plate 16mm	2*8	0.161	0.526	16.000	7.85	170.185	
Vertical stiffener plate 16mm	1*8	0.338	0.694	16.000	7.85	235.698	
Vertical stiffener plate 16mm	2*8	0.161	0.694	16.000	7.85	224.541	
Vertical stiffener plate 16mm	1*8	0.338	0.926	16.000	7.85	314.491	
Vertical stiffener plate 16mm	2*8	0.161	0.926	16.000	7.85	299.604	
Vertical stiffener plate 16mm	5*8	0.338	0.338	16.000	7.85	573.962	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.326	12.000	7.85	810.723	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.210	12.000	7.85	522.245	
Vertical stiffener plate 12mm Fab I section	1*8	3.300	0.500	12.000	7.85	1243.440	
Vertical stiffener plate 10mm	2*8	0.340	0.096	10.000	7.85	40.996	
Vertical stiffener plate 10mm	2*8	0.340	0.392	10.000	7.85	167.400	
Vertical stiffener plate 10mm	2*8	0.340	0.892	10.000	7.85	380.920	
Vertical stiffener plate 10mm	2*8	0.340	0.702	10.000	7.85	299.783	
Vertical stiffener plate 10mm	2*8	0.340	0.542	10.000	7.85	231.456	
Vertical stiffener plate 10mm	2*8	0.340	0.432	10.000	7.85	184.482	
Vertical stiffener plate 10mm	2*8	0.340	0.196	10.000	7.85	83.700	
Vertical stiffener plate 10mm	1*8	0.338	0.096	10.000	7.85	20.378	
Vertical stiffener plate 10mm	1*8	0.338	0.392	10.000	7.85	83.208	

Vertical stiffener plate 10mm	1*8	0.338	0.892	10.000	7.85	189.340	
Vertical stiffener plate 10mm	1*8	0.338	0.702	10.000	7.85	149.010	
Vertical stiffener plate 10mm	1*8	0.338	0.542	10.000	7.85	115.048	
Vertical stiffener plate 10mm	1*8	0.338	0.432	10.000	7.85	91.699	
Vertical stiffener plate 10mm	1*8	0.338	0.196	10.000	7.85	41.604	
Vertical stiffener plate 10mm	8*8	0.200	0.096	10.000	7.85	96.461	
Vertical stiffener plate 10mm	8*8	0.200	0.392	10.000	7.85	393.882	
Vertical stiffener plate 10mm	8*8	0.200	0.892	10.000	7.85	896.282	
Vertical stiffener plate 10mm	8*8	0.200	0.702	10.000	7.85	705.370	
Vertical stiffener plate 10mm	8*8	0.200	0.542	10.000	7.85	544.602	
Vertical stiffener plate 10mm	8*8	0.200	0.432	10.000	7.85	434.074	
Vertical stiffener plate 10mm	8*8	0.200	0.196	10.000	7.85	196.941	
Vertical stiffener plate 10mm	2*8	0.210	0.260	10.000	7.85	68.578	
Vertical stiffener plate 10mm	2*8	0.210	0.760	10.000	7.85	200.458	
Vertical stiffener plate 10mm	2*8	0.210	0.570	10.000	7.85	150.344	
Vertical stiffener plate 10mm	2*8	0.210	0.410	10.000	7.85	108.142	
Vertical stiffener plate 10mm	2*8	0.210	0.300	10.000	7.85	79.128	
Shutter top hand rail plate 8mm	2*8	0.050	2.390	8.000	7.85	120.074	
stiffener near bearing block 10mm	6*8	0.290	0.388	8.000	7.85	339.181	

	Wood Seal fixing plate 10mm	1*8	0.800	3.460	8.000	7.85	1390.644	
	Pintle assembly plate	1*8	0.420	1.042	655.000	7.85	18001.884	
	Pintle assembly plate	1*8	0.338	0.450	461.000	7.85	4403.417	
Diamond lock gate								
	Platform chequered plate 8mm	1*8	3.080	0.850		68.09	1426.077	
Total Quantity							60183.851 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							60183.851 kg	
Say 60183.851 kg @ Rs 3.45 / kg							Rs 207634.29	
SI No	Description	No	L	B	D	CF	Quantity	Remark
30 Appendix E- 26 Conveying and Erecting Pintle assembly,Pivot Assembly,Rack and Pinion Assembly,Guide roller etc								
1	od97421/2020_2021 Conveying and erecting already supplied Pintle assembly,Pivot assembly,Guide roller assembly,Rack and pinion Assembly etc							
Diamond lock								
	Pintle assembly	1					1.000	
	Pivot Assembly	1					1.000	
	Guide roller Assembly	1					1.000	
	Rack and pinion Assembly	1					1.000	
Total Quantity							4.000 set	
Total Deducted Quantity							0.000 set	
Net Total Quantity							4.000 set	
Say 4.000 set @ Rs 42564.03 / set							Rs 170256.12	
SI No	Description	No	L	B	D	CF	Quantity	Remark
31 Appendix - F Electrification								

1	90.14.1.2 Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices & complying to IS 8623. Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for the fabrication of panel assembly. The measurments will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc. Supply and fabrication of MV panel board using 1.6mm CRCA sheet, powder coated (excluding base frame)						
	90.14.1.2	6					6.000
	Total Quantity						6.000 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						6.000 sqm
	Say 6.000 sqm @ Rs 2394.39 / sqm						Rs 14366.34
2	90.14.5 Supply and fabrication conveyance and installation of angle iron frame work for wall mounting panel board						
	90.14.5	20					20.000
	Total Quantity						20.000 kg
	Total Deducted Quantity						0.000 kg
	Net Total Quantity						20.000 kg
	Say 20.000 kg @ Rs 143.36 / kg						Rs 2867.20
3	90.14.10.4 Supply, conveyance and fixing the following types & current rated control gears & switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as required.16 A-100A, 25/35 kA (Ics=100%Icu), 4 pole, current limiting type MCCB having thermal setting range of 80 - 100% with thermal magnetic release having adjustable OL						
	90.14.10.4	1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 7682.33 / no						Rs 7682.33
4	90.14.10.5 Supply, conveyance and fixing the following types & current rated control gears & switchgears conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as						

	required.16A -100A, 35/36 kA (Ics=100%Icu), 3 pole, current limiting type MCCB with microprocessor based release with overload setting of 50 - 100% having adjustable OL & SC						
	90.14.10.5	1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 10763.33 / no						Rs 10763.33
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	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 1246.42 / each						Rs 9971.36
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 3031.07 / no						Rs 6062.14
7	90.14.11.1 MCCB AccessoriesSupply and fixing one number earth fault Relay up to 100A with CBCT.						
	90.14.11.1	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 3160.38 / no						Rs 3160.38
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

	od101529/2020_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 229.60 / each						Rs 1377.60	
14	od101531/2020_2021 Supply and installation of digital multi function meter (V,A,F) in the existing panel board and giving connection							
	od101531/2020_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 1786.13 / each						Rs 1786.13	
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 required.4 way (8+12) - three phase double cover (IP 42/43)							
	90.11.1.10	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 2771.45 / each						Rs 2771.45	
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 milliampers 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 2981.06 / each						Rs 2981.06	
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 242.01 / each						Rs 2904.12	
18	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC 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 1058.97 / point						Rs 14825.58	
19	1.14.1 Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire							
	1.14.1	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 156.68 / metre						Rs 3133.60	
20	1.12 Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.							
	1.12	10					10.000	
	Total Quantity						10.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						10.000	metre
	Say 10.000 metre @ Rs 235.02 / metre						Rs 2350.20	
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 437.86 / each						Rs 875.72	
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 567.95 / each						Rs 567.95	
23	1.33 Supplying and fixing 3 pin, 5 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 64.35 / each						Rs 707.85	
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 86.73 / each						Rs 260.19	
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 1783.33 / each						Rs 14266.64	
26	<p>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, shackles and blades and resistance type regulator working on 230V/240V single phase A/C</p>							
	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 1863.33 / each						Rs 5589.99	
27	<p>od101596/2020_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.</p>							
	od101596/2020_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 4864.64 / each						Rs 4864.64	
28	<p>od101598/2020_2021 Supply and fixing 63A HRC fuse base with fuse link in the existing meter board.</p>							
	od101598/2020_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 175.34 / each						Rs 526.02	
29	<p>od101599/2020_2021 Supply and fixing 63 A, 415 V, 2 way neutral link mounted on DMC/ SMC base in the existing meter board.</p>							
	od101599/2020_2021	1					1.000	

		Net Total Quantity					6.000 metre	
		Say 6.000 metre @ Rs 976.43 / metre					Rs 5858.58	
42	5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing asrequired.						
		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 121.70 / metre					Rs 18255.00	
43	od131232/2020_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)						
		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	
44	od131231/2020_2021	Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hose and clamps including fixing it to wall as required. (MR)						
		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	
45	od131225/2020_2021	Supply of 11KV electrical gloves (Vidyut)						
		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	
46	od131233/2020_2021	Supply and providing 2.5mm thick, 11KV grade, synthetic elastometric fire retardant insulating sheet						

		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	
47	od131239/2020_2021 Charges towards preparation of drawings, getting approvals from inspectorate and KSEB, KSEB charges for availing electric supply etc.							
		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	
48	od131236/2020_2021 Supply and installation 7M long single arm galvanised octogonal 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							
		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 26473.71 / each						Rs 158842.26	
49	od131237/2020_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							
		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 13625.87 / each						Rs 81755.22	
50	90.12.7.3							

	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.2 core 10 sq mm with factory made clamp							
		60					60.000	
	Total Quantity						60.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						60.000 metre	
	Say 60.000 metre @ Rs 207.97 / metre						Rs 12478.20	
SI No	Description	No	L	B	D	CF	Quantity	Remark
32 Appendix G :RIVER PROTECTION WORKS								
1	od132112/2020_2021 Putting up ring bund of size 1 m wide at top and 1.50m wide at bottom , 4.00m height,with arecanut post 5 m long driven downm 1 m below ground level at 1m apart and wailing pieces at 50cm apart and tying with coir yam, arecanut crosses 2m interval 1/2 th split bamboo reepers horizontally 15 cm, c/c, and tying all the members and screening with ettamat on each side with puddle clay and maintaining the bund during the period of execution and removing the bund after completing of the work etc... complete as per the direction of the departmental officers(hire and labour charges for arecanut post, wailing pieces and across it).							
	U/S Side (longitudinal)	1	120.000				120.000	
	U/S Side (cross)	4	5.000				20.000	
	F o r D R masonry(longitudinal)	1	200.000				200.000	
	cross	5	5.000				25.000	
	Total Quantity						365.000 per metre	
	Total Deducted Quantity						0.000 per metre	
	Net Total Quantity						365.000 per metre	
	Say 365.000 per metre @ Rs 2248.17 / per metre						Rs 820582.05	
2	od131848/2020_2021 Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete							
	1PUMP for 60days	1	60.000	8.000			480.000	
	Total Quantity						480.000 hour	
	Total Deducted Quantity						0.000 hour	
	Net Total Quantity						480.000 hour	
	Say 480.000 hour @ Rs 337.47 / hour						Rs 161985.60	

3	od131853/2020_2021 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge.All kinds of soil 							
	DR Retaining wall	1	200.000	1.700	0.500		170.000	
		1	50.000	1.700	0.500		42.500	
	Side cutting	1	200.000	1.700	(1+0.5)/2		255.000	
		1	50.000	1.700	(1+0.5)/2		63.750	
	U/S side,CC retaining wall foundation	1	120.000	1.500	0.600		108.000	
	deduction for piles	121*3	0.125	0.125	0.750	3.14	-13.357	
	Plat form for stair							
		1	1.500	1.500	0.800		1.800	
	For Drainage	1	40.000	3.000	2.600		312.000	
	Total Quantity						953.050 cum	
	Total Deducted Quantity						-13.357 cum	
	Net Total Quantity						939.693 cum	
	Say 939.693 cum @ Rs 186.94 / cum						Rs 175666.21	
4	od132060/2020_2021 Close timbering over areas including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered): Depth exceeding 3 m but not exceeding 4.5 m as per DAR 2.18.3							
	shoring for river bank (U/S)	2	70.000		4.000		560.000	
	Total Quantity						560.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						560.000 sqm	
	Say 560.000 sqm @ Rs 178.95 / sqm						Rs 100212.00	
5	2.4.4.D Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Dismantling Stone Masonry - Dry rubble masonry							
	for retaining wall							
	U/S side	1*1	20.000	3.000			60.000	

	-do- inclined side	1*1	20.000	3.100			62.000	
	-do-end	2	$(1.2+0.5)/2$	3.000			5.100	
	Total Quantity						127.100 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						127.100 cum	
	Say 127.100 cum @ Rs 359.52 / cum						Rs 45694.99	
6	od131896/2020_2021 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site							
	Repair to existing DR	2	17.000	$(0+3)/2$	1.500		76.500	
	New DR Masonry- Foundation	1	200.000	0.600	1.700		204.000	
		1	50.000	0.600	1.700		51.000	
		1	200.000	$(0.5+1.5)/2$	3.000		600.000	
		1	50.000	$(0.5+1.5)/2$	3.000		150.000	
	Other Engineering Plat form for stair Plat form for stair							
		1	1.500	1.500	0.600		1.350	
	drainage							
		2	40.000	$(1.80+0.90)/2$	1.800		194.400	
	Total Quantity						1277.250 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1277.250 cum	
	Say 1277.250 cum @ Rs 3051.29 / cum						Rs 3897260.15	
7	od132723/2020_2021 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) As per DAR 4.1.5							
	Top belt of DR masonry	2	17.000	0.500	0.075		1.275	
		1	200.000	0.500	0.075		7.500	
	river side protection	1	50.000	0.500	0.075		1.875	

Plat form for stair									
		1	1.500	1.500	0.200		0.450		
	drainage	2	40.000	0.500	0.075		3.000		
	Total Quantity						14.100 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						14.100 cum		
	Say 14.100 cum @ Rs 7832.95 / cum						Rs 110444.60		
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								
	Cover Drainage	20	2.000	0.500	0.150		3.000		
	Total Quantity						3.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						3.000 cum		
	Say 3.000 cum @ Rs 7986.46 / cum						Rs 23959.38		
9	55.25 Lifting, conveying and fixing the newly casted RCC covering slabs of any thickness on top of drain in position including all labour charges and miscellaneous expenses etc complete								
	Cover Drainage	20	2.000	0.500	0.150		3.000		
	Total Quantity						3.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						3.000 cum		
	Say 3.000 cum @ Rs 1961.77 / cum						Rs 5885.31		
10	od126817/2020_2021 DR PACKING Under foundation - Dry stone packing under foundation with good quality blasted rubble including conveyance of material and labour charges etc. complete as per direction of departmental officers at site. As per DAR 60.7.2								
	For RET wall Foundation	1	120.000	1.800	0.750		162.000		
	coconut pile 25 cm dia	121*3	0.125	0.125	0.750	3.14	-13.357		
	department stone	88.97					-88.970		
	drainage	2	40.000	1.200	0.500		48.000		
	Total Quantity						210.000 cum		
	Total Deducted Quantity						-102.327 cum		
	Net Total Quantity						107.673 cum		

	Say 107.673 cum @ Rs 2350.06 / cum						Rs 253038.01	
11	od132558/2020_2021 DR PACKING Under foundation using departmental rubble Dry stone packing under foundation with good quality blasted rubble including conveyance of material and labour charges etc. complete as per direction of departmental officers at site.							
	FOR CC RET WALL FOUNDATION							
	Available stone= 127.100*0.7=88.97	88.97					88.970	
	Total Quantity						88.970 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						88.970 cum	
	Say 88.970 cum @ Rs 527.37 / cum						Rs 46920.11	
12	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15							
	CC RET WALL							
	U/S Side -fdn	1	120.000	1.500	0.600		108.000	
	Total Quantity						108.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						108.000 cum	
	Say 108.000 cum @ Rs 7987.59 / cum						Rs 862659.72	
13	13.5.A Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M15 - Height upto 5m							
	CC RET WALL							
	U/S Side-super	1	120.000	(1.2+0.5)/ 2	3.000		306.000	
	Total Quantity						306.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						306.000 cum	
	Say 306.000 cum @ Rs 8448.41 / cum						Rs 2585213.46	
14	12.40 Supply, Fitting and Placing un- coated HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications							
	Qty vide item No:12	1	108.000			0.03	2.700	

	drainage	20	2.000	0.500	0.150	0.03	0.090	
	Total Quantity						2.790 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						2.790 MT	
	Say 2.790 MT @ Rs 79208.03 / MT						Rs 220990.40	
15	13.6 Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications							
	Qty vide item No:13	1	306.000			0.03	9.180	
	Total Quantity						9.180 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						9.180 MT	
	Say 9.180 MT @ Rs 79502.70 / MT						Rs 729834.79	
16	od45860/2020_2021 Coconut Pile - Supplying and stacking well matured straight coconut post for driving down through various strata bellow bed level including cost covoyance labour charges etc complete.							
	U/S Side	121*3			6.000		2178.000	
	Plat form stair							
	65cm c/c piles	3*3			6.000		54.000	
	Total Quantity						2232.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						2232.000 metre	
	Say 2232.000 metre @ Rs 155.95 / metre						Rs 348080.40	
17	od45861/2020_2021 Coconut Pile - Driving down coconut pile to lines and levels through variuos strata including all hire charges and labour for fixing , staging platform and all other appliances necessary for pile driving down after pointing the bottom end							
	providing 3 rows @ 50cm C/C							
	U/S @ 100cm C/C	121*3	6.000				2178.000	
	Plat form stair							
	65cm c/c piles	3*3	6.000				54.000	
	Total Quantity						2232.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						2232.000 metre	
	Say 2232.000 metre @ Rs 852.16 / metre						Rs 1902021.12	

18	od45892/2020_2021 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.						
	U / S @ 150 cm C/C=100/1.5=66.67=6 7No	67	0.800				53.600
	D / S @ 150 cm C/C=100/1.5=66.67=6 7No	67	0.800				53.600
Total Quantity							107.200 metre
Total Deducted Quantity							0.000 metre
Net Total Quantity							107.200 metre
Say 107.200 metre @ Rs 127.58 / metre							Rs 13676.58
19	od132059/2020_2021 Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 1000 mm dia. R.C.C. pipe As per DAR 19.6.11						
		2	2.000				4.000
Total Quantity							4.000 metre
Total Deducted Quantity							0.000 metre
Net Total Quantity							4.000 metre
Say 4.000 metre @ Rs 3919.69 / metre							Rs 15678.76
Provision for GST payments (in %) @							12.0%
Amount reserved for GST payments							27596999.62
Total							257571996.62
Lumpsum for round off							8003.38
TOTAL Rs 257580000.00							
Rounded Total Rs 25,75,80,000							
Rupees Twenty Five Crore Seventy Five Lakh Eighty Thousand Only							

(Cost Index Applied for this estimate is 39.89%)