

TS Register No: 1107/2020-2021

AS Register No:1170/2020-2021

**KIIFB Project: Construction of Regulator with Lock across Anjarakandy River at  
Parapram in Pinarayi Panchayath, Kannur District.**

Detailed Estimate

(Dsr year: 2016, Cost Index Applied for this estimate is 32.04%)

SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>1 Appendix A- Construction of Regulator Cum Lock</b>									
1	od1349/2020_2021 RING BUND-Putting up ring bund using driving Z type MS sheet piles of 12.00 m height (400x185x7.50/8.50 or equivalent - conforming to IS 2314-1986 on one side driven with minimum driving length of 6.00 m for ensuring sufficient anchorage and horizontally brazed with MS flats and angles where ever necessary and the other side with coconut piles 6.00- 9.00 m length driven 3.00 m as shown in figure tide with half split coconut piles as wailing piece 1.00 m C/C and filled in between with empty gunny /polyethene bags filled earth are placed bottom width 3.50 m and top width 2.00 m and 7.00 m height and including dismantling the bund driven out sheet pile after completion of the work etc complete as directed by the departmental officer at site.								
		2	99.600				199.200		
		Total Quantity						199.200 metre	
		Total Deducted Quantity						0.000 metre	
		Net Total Quantity						199.200 metre	
		Say 199.200 metre @ Rs 33322.59 / metre						<b>Rs 6637859.93</b>	
2	od215908/2019_2020 RING BUND Type-I-Putting up ring bund as per approved shape 3 m bottom width, 1m top width using empty gunny/polythene bags filled with earth placed in 2 rows at 0.6m apart and filled in between with puddle clay to form bund for an average height 2.50m including labour dismantling the bund after completion of the work etc. complete as per 60.1.1 OD Irrigation								
		2	125.000				250.000		
		Total Quantity						250.000 metre	
		Total Deducted Quantity						0.000 metre	
		Net Total Quantity						250.000 metre	
		Say 250.000 metre @ Rs 1874.32 / metre						<b>Rs 468580.00</b>	
3	od215917/2019_2020 Bailing out water Using 5HP Pump- Bailing out water with 5HP engine and pump set including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete as per 60.2.2 OD Irrigation								
		5 pumps 125 days 8 hours							
		5*125*8					5000.000		

		Total Quantity					5000.000 hour	
		Total Deducted Quantity					0.000 hour	
		Net Total Quantity					5000.000 hour	
		Say 5000.000 hour @ Rs 234.37 / hour					<b>Rs 1171850.00</b>	
4	od215918/2019_2020 Bailing out water using pump above 10 HP and up to 20 HP -Bailing out water with engine and pump set above 10 hp and up to 20hp ,including conveyance to site and erection, cost of fuel ,lubrication oil and other stores,pay of staff etc complete.  as per 60.2.4 OD Irrigation							
	10-20 HP pump-3 nos, 58 days,8 hours							
		3*58*8					1392.000	
		Total Quantity					1392.000 hour	
		Total Deducted Quantity					0.000 hour	
		Net Total Quantity					1392.000 hour	
		Say 1392.000 hour @ Rs 440.86 / hour					<b>Rs 613677.12</b>	
5	od215920/2019_2020 Bailing out water using pump above 30 HP and up to 40 HP -Bailing out water with engine and pump set above 30 hp and up to 40hp ,including conveyance to site and erection, cost of fuel ,lubrication oil and other stores,pay of staff etc complete. Data as per OD irrigation 60.2.6							
	30-40 HP pump- 3 pumps 25days 8 hours,							
		3*25*8					600.000	
		Total Quantity					600.000 hour	
		Total Deducted Quantity					0.000 hour	
		Net Total Quantity					600.000 hour	
		Say 600.000 hour @ Rs 952.87 / hour					<b>Rs 571722.00</b>	
6	od215889/2019_2020 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge.All kinds of soil 							
	Abutment A1 base slab	1	6.000	6.000	1.500		54.000	
	side cutting for abutment A1	1	6.000	.5*(6+1)/2	5.200		54.600	
	side cutting for abutment A2	1	6.000	.5*(6+1)/2	7.500		78.750	
	Gabion							
	u/s	1	38.250	4.000	2.000		306.000	

	d/s	1	38.250	11.000	2.000		841.500	
	side of lock pier(u/s side )	1	31.100	1.000	2.000		62.200	
	side of lock pier(d/s side )	1	21.600	1.000	2.000		43.200	
		2	8.100	1.000	2.000		32.400	
	P3 and P4	2	4.300	4.300	1.500		55.470	
	P5 and P6	2	6.300	4.300	1.500		81.270	
	Lock wall	2	87.200	4.300	1.500		1124.880	
	Abutment	1	6.000	6.000	1.500		54.000	
	weir between P5 and A2	1	22.500	2.800	1.500		94.500	
	P1 and P2	2	8.000	6.000	1.500		144.000	
		2	7.000	5.000	1.500		105.000	
	Weir between P4 and P5	1	11.500	3.200	3.000		110.400	
	Apron d/s side A1 to P3	1	36.000	16.000	1.300		748.801	
	Apron u/s side A1 to P3	1	36.000	6.000	1.000		216.000	
	Apron d/s side P3 to A2	1	36.000	16.000	1.300		748.801	
	Apron u/s side P3 to A2	1	36.000	6.000	1.000		216.000	
	Apron central portion from A1 to P3	1	36.000	3.000	1.500		162.000	
	lock chamber portion	1	87.200	14.000	1.000		1220.800	
	Cut off	1	154.800	0.300	3.000		139.321	
	Toe wall	1	96.000	0.300	2.000		57.600	
	Toe wall foundation u/s and d/s side	1	96.000	0.500	0.300		14.400	
						Total Quantity	6765.893 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	6765.893 cum	
						Say 6765.893 cum @ Rs 176.45 / cum	<b>Rs 1193841.82</b>	
7	12.24.6							

	BBored cast-in-situ M35 grade R.C.C. Pile Using Concrete Mixer 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							
	Abutment A2	9	12.000				108.000	
	P3	4	12.000				48.000	
	P4	4	12.000				48.000	
	P5	6	12.000				72.000	
	P6	6	12.000				72.000	
	Lock wall	80	12.000				960.000	
	Total Quantity						1308.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1308.000 metre	
	Say 1308.000 metre @ Rs 12314.11 / metre						<b>Rs 16106855.88</b>	
8	od53510/2020_2021 BBored cast-in-situ M35 grade R.C.C. Pile Using Concrete Mixer excluding Reinforcement complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. Pile diameter-500 mm							
	Weir	24	12.000				288.000	
	Total Quantity						288.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						288.000 metre	
	Say 288.000 metre @ Rs 4875.11 / metre						<b>Rs 1404031.68</b>	
9	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.							
	f steel liner (6 mm thick) for 1000mm dia piles							
	Avg 3m depth	109	3.000	3.140*1	0.006	7.85	48.362	
	steel liner for 500mm piles							
		24	3.000	3.14*.5	0.006	7.85	5.325	
	Total Quantity						53.687 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						53.687 MT	
	Say 53.687 MT @ Rs 93251.44 / MT						<b>Rs 5006390.06</b>	
10	12.39 Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap							

	Deduction for piles	109	3.140	0.500	0.500	0.1	-8.556		
		24	3.140	0.250	0.250	0.1	-0.471		
	P3 and P4	2	4.500	4.500	0.100		4.050		
	Lock wall	2	87.200	4.300	0.100		74.992		
	P5 and P6	2	6.300	4.300	0.100		5.418		
	weir between P5 and A2	1	22.500	2.800	0.100		6.300		
	Abutment	1	6.000	6.000	0.100		3.600		
	Total Quantity						94.360 cum		
	Total Deducted Quantity						-9.027 cum		
	Net Total Quantity						85.333 cum		
	Say 85.333 cum @ Rs 7260.60 / cum						<b>Rs 619568.78</b>		
11	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								
	P3 and P4	2	4.300	4.300	1.500		55.470		
	P5 and P6	2	6.300	4.300	1.500		81.270		
	Lock wall	2	87.200	4.300	1.500		1124.880		
	Abutment	1	6.000	6.000	1.500		54.000		
	weir between P5 and A2	1	22.500	2.800	1.500		94.500		
	Total Quantity						1410.120 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1410.120 cum		
	Say 1410.120 cum @ Rs 8255.05 / cum						<b>Rs 11640611.11</b>		
12	12.8.B.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications PCC Grade M20								
	P1 and P2	2	8.000	6.000	1.500		144.000		
		2	7.000	5.000	1.500		105.000		
	Weir between P4 and P5	1	11.500	3.200	3.000		110.400		

	Apron d/s side A1 to P3	1	36.000	16.000	1.300		748.801	
	Apron u/s side A1 to P3	1	36.000	6.000	1.000		216.000	
	Apron d/s side P3 to A2	1	36.000	16.000	1.300		748.801	
	Apron u/s side P3 to A2	1	36.000	6.000	1.000		216.000	
	Apron central portion from A1 to P3	1	36.000	3.000	1.500		162.000	
	lock chamber portion	1	87.200	14.000	1.000		1220.800	
	Cut off	1	154.800	0.300	3.000		139.321	
	Toe wall	1	96.000	0.300	2.000		57.600	
	Toe wall foundation u/s and d/s side	1	96.000	0.500	0.300		14.400	
	Deduction for pile cap at the centre portion from A1 to P3	2	6.000	3.000	1.500		-54.000	
						Total Quantity	3883.123 cum	
						Total Deducted Quantity	-54.000 cum	
						Net Total Quantity	3829.123 cum	
						Say 3829.123 cum @ Rs 8292.41 / cum	<b>Rs 31752657.86</b>	
13	12.8.E.2.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump							
	Abutment A1 base slab	1	6.000	6.000	1.500		54.000	
						Total Quantity	54.000 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	54.000 cum	
						Say 54.000 cum @ Rs 8131.17 / cum	<b>Rs 439083.18</b>	
14	od215919/2019_2020 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							
	Piles 1000mm	1	1308.000	3.14*.5*.5		0.12	123.214	

	piles 500mm	1	288.000	3.14*.25*.25		0.12	6.783		
	Pile cap	1	1410.120			0.16	225.620		
	Apron,PI,P2,weir,cutoff,Toe wall	1	3883.123			0.04	155.325		
	Abutment A1 base slab	1	54.000			0.16	8.640		
	Total Quantity						519.582 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						519.582 MT		
	Say 519.582 MT @ Rs 92121.62 / MT						<b>Rs 47864735.56</b>		
15	13.5.E.p.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M20 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m								
	Grooves								
	P1 and P2	2*2	0.600	0.600	5.400		-7.776		
	P3 and P4	2*2	0.600	0.600	5.000		-7.199		
	P5 and P6	2*2	0.600	0.600	5.000		-7.199		
	P1 and P2	2	6.000	3.000	0.500		18.000		
		2	6.000	2.000	4.900		117.601		
	P3 and P4	2	4.000	2.800	5.000		112.000		
	P5 and P6	2	6.000	3.000	2.300		82.800		
		2	6.000	2.000	2.700		64.801		
	Weir Trapezoidal portion between P5 and A2	1	22.500	5.290			119.025	(2.6+2)/2*2.3	
	Weir Trapezoidal portion between P4 and P5	1	11.500	5.290			60.835	(2.6+2)/2*2.3	
	Total Quantity						575.062 cum		
	Total Deducted Quantity						-22.174 cum		
	Net Total Quantity						552.888 cum		
	Say 552.888 cum @ Rs 7999.13 / cum						<b>Rs 4422622.99</b>		
16	13.5.F.P.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m								

	Left side abutment (End counterfort)	2	4.000	0.600	5.200		24.960		
	Middle counterfort stem	1	.5*4*5.2	0.600			6.240		
		1	6.000	1.000	5.200		31.201		
	Right side abutment (End counterfort)	2	4.000	0.600	5.000		24.000		
	Middle counterfort stem	1	(1.43+4)/2*5		0.600		8.145		
		1	6.000	1.000	5.000		30.000		
	Lock pier	4	2.000	2.000	5.000		80.000		
		4	1.600	16.900	5.000		540.800		
		4	2.000	2.000	5.000		80.000		
		4	0.500	3.14*1*1	5.000		31.401		
	Lock wall	4	23.200	1.200	5.000		556.800		
	Deduction of Abutment grooves								
	Left side Abutment A1	1	0.600	0.600	5.200		-1.872		
	Right side Abutment A1	1	0.600	0.600	5.000		-1.799		
	Total Quantity						1413.547 cum		
	Total Deducted Quantity						-3.671 cum		
	Net Total Quantity						1409.876 cum		
	Say 1409.876 cum @ Rs 8621.01 / cum						<b>Rs 12154555.09</b>		
17	od215936/2019_2020 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height above 5m. Specification as per 13.5.F.q.2 of MORTH spec								
	Left side Abutment	1	.7+(.4*1.3)		4.900		5.979		
	Right side Abutment (End counterfort)	2	6.000	0.600	2.500		18.000		
	Middle counterfort	1	.5*2.5*1.4 3		0.600		1.073		
		1	.7+(.4*1.3)		4.900		5.979		
	Lock pier	4	2.000	2.000	1.500		24.000		



		4	1.600	16.900	1.500		162.240	
		4	2.000	2.000	1.500		24.000	
		4	.5*3.14*1* 1		1.500		9.420	
	Lock wall	4	23.200	1.200	1.500		167.040	
Steps to foot bridge								
	waist length at Abutment A1 and A2	2	9.517	1.200	0.150		3.427	
	steps at Abutment A1 and A2	2*28	.5*.3*.15	1.200			1.512	
Total Quantity							422.670 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							422.670 cum	
Say 422.670 cum @ Rs 8658.37 / cum							<b>Rs 3659633.25</b>	
18	od215939/2019_2020 Plain/Reinforced Cement Concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M20 - With Batching Plant, Transit Mixer and Concrete Pump Height above 5m -as per 13.5.E.q.2 MORTH Specification							
Grooves								
	Grooves	4	0.600	0.600	6.900		-9.936	
		4	0.600	0.600	7.400		-10.656	
	P1 and P2	2	4.000	2.000	4.700		75.200	
	P3 and P4	2	4.000	2.800	1.500		33.600	
		2	4.000	2.000	5.400		86.400	
	P5 and P6	2	6.000	2.000	2.700		64.801	
		2	4.000	2.000	4.700		75.200	
Total Quantity							335.201 cum	
Total Deducted Quantity							-20.592 cum	
Net Total Quantity							314.609 cum	
Say 314.609 cum @ Rs 8260.92 / cum							<b>Rs 2598959.78</b>	
19	od215925/2019_2020 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 							
	CC M20	1	(552.888+ 314.609)			0.04	34.700	

	RCC M25	1	(1409.876 +422.670)			0.16	293.208	
Steps to foot bridge								
	waist length at Abutment A1 and A2	2	9.517	1.200	0.150	0.06	0.206	
	steps at Abutment A1 and A2	2*28	.5*.3*.15	1.200		0.06	0.091	
Total Quantity							328.205 MT	
Total Deducted Quantity							0.000 MT	
Net Total Quantity							328.205 MT	
Say 328.205 MT @ Rs 92399.76 / MT							<b>Rs 30326063.23</b>	
20	14.1A.2.2.C "Furnishing and Placing Reinforced Cement Concrete Grade M20 Using Batching Plant, Transit Mixer and Concrete Pump as per drawing and Technical Specification. For T-beam & slab - Height above 10m							
	Foot bridge	1	99.800	0.400	1.050		41.917	
		1	99.800	1.500	0.150		22.455	
Total Quantity							64.372 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							64.372 cum	
Say 64.372 cum @ Rs 9733.07 / cum							<b>Rs 626537.18</b>	
21	od215946/2019_2020 Construction of RCC railing of M20 Grade in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical RCC post not to exceed 1 in 500, center to center spacing between vertical post not to exceed 2000 mm, leaving adequate space between vertical post for expansion, complete as per approved drawings and technical specifications. as per 14.7 MORTH Specification							
	Hand Rails	2	98.400				196.800	
	Steps to foot bridge	4	9.517				38.068	
Total Quantity							234.868 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							234.868 metre	
Say 234.868 metre @ Rs 2068.87 / metre							<b>Rs 485911.36</b>	
22	od215947/2019_2020 Supply, Fitting and Placing Fusion bonded epoxy coated (confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in Super structure complete as per Drawing and Technical Specifications and as per 14.2 of MORTH specification							
		1	64.370			0.04	2.575	

						Total Quantity	2.575 MT
						Total Deducted Quantity	0.000 MT
						Net Total Quantity	2.575 MT
						Say 2.575 MT @ Rs 94449.23 / MT	<b>Rs 243206.77</b>
23	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.					
	Abutment A2	1	6.000	0.600	9.000		32.400
	Abutment A1	1	6.000	0.600	6.700		24.120
	Below the CC block	1	38.250	4.500	0.600		103.275
		1	38.250	10.500	0.600		240.975
	counterfort of A1	3	0.600	0.600	9.000		-9.719
	counterfort of A2	3	0.600	0.600	6.700		-7.236
						Total Quantity	400.770 cum
						Total Deducted Quantity	-16.955 cum
						Net Total Quantity	383.815 cum
						Say 383.815 cum @ Rs 3141.29 / cum	<b>Rs 1205674.22</b>
24	od215945/2019_2020	PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.					
	Left Abutment	1	115.000				115.000
	Right Abutment	1	115.000				115.000
						Total Quantity	230.000 metre
						Total Deducted Quantity	0.000 metre
						Net Total Quantity	230.000 metre
						Say 230.000 metre @ Rs 127.46 / metre	<b>Rs 29315.80</b>
25	od215949/2019_2020	Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of $\pm 2\%$ ) Zinc+PVC coated, Mesh wire diameter 2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.					

	u/s	1	38.250	4.000	2.000		306.000		
	d/s	1	38.250	11.000	2.000		841.500		
	side of lock pier(u/s side )	1	31.100	1.000	2.000		62.200		
	side of lock pier(d/s side )	1	21.600	1.000	2.000		43.200		
		2	8.100	1.000	2.000		32.400		
	Total Quantity						1285.300 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1285.300 cum		
	Say 1285.300 cum @ Rs 4040.72 / cum						<b>Rs 5193537.42</b>		
26	od215951/2019_2020 Providing Hot Rolled Z steel sheet piles confirming 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								
	Around lock chamber three sides u/s side	1	114.3/2		5.500		314.325		
	Around lock chamber three sides d/s side	1	114.3/2		9.500		542.925		
	u/s side	1	40.000		5.500		220.000		
	d/s side	1	40.000		9.500		380.000		
	Total Quantity						1457.250 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						1457.250 sqm		
	Say 1457.250 sqm @ Rs 15775.60 / sqm						<b>Rs 22988993.10</b>		
27	od4604/2020_2021 Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 20 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days								
	u/s	26*3	1.500	1.500	0.900		157.950		
	d/s	26*7	1.500	1.500	0.900		368.550		
	Total Quantity						526.500 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						526.500 cum		
	Say 526.500 cum @ Rs 6660.40 / cum						<b>Rs 3506700.60</b>		

SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>2 Appendix B- Bank Protection Works</b>									
1	od215884/2019_2020 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed.All kinds of soil								
	wing wall right bank u/s stream	1	15.000	6.000	1.500		135.000		
	wing wall right bank d/s stream	1	38.000	6.000	1.500		342.000		
	wing wall left bank u/s stream	1	6.000	6.000	1.500		54.000		
	wing wall left bank d/s stream	1	16.000	6.000	1.500		144.000		
	Side protection u/s right bank	1	136.000	3.500	0.800		380.800		
	Side protection u/s right bank	1	66.000	4.200	1.000		277.200		
	Side protection u/s right bank	1	150.000	3.850	0.900		519.750		
	Side protection u/s left bank	1	253.000	3.500	0.800		708.401		
	Side protection u/s left bank	1	79.000	2.800	0.700		154.840		
	Side protection d/s right bank	1	285.000	2.800	0.700		558.600		
	Side protection d/s left bank	1	285.000	2.800	0.700		558.600		
	Total Quantity							3833.191 cum	
	Total Deducted Quantity							0.000 cum	
	Net Total Quantity							3833.191 cum	
	Say 3833.191 cum @ Rs 176.45 / cum							<b>Rs 676366.55</b>	
2	od215896/2019_2020 Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete as per 60.2.3 OD Irrigation								
		500					500.000		
	Total Quantity							500.000 hour	

		Total Deducted Quantity					0.000 hour		
		Net Total Quantity					500.000 hour		
		Say 500.000 hour @ Rs 319.93 / hour					<b>Rs 159965.00</b>		
3	12.24.6 BBored cast-in-situ M35 grade R.C.C. Pile Using Concrete Mixer 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 1000mm for right bank wing wall	23*3	12.000				828.000		
		Total Quantity					828.000 metre		
		Total Deducted Quantity					0.000 metre		
		Net Total Quantity					828.000 metre		
		Say 828.000 metre @ Rs 12314.11 / metre					<b>Rs 10196083.08</b>		
4	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.								
		wing wall							
	Avg 3m depth	23*3	3.000	3.14*1*.00			3.900		
		Total Quantity					3.900 MT		
		Total Deducted Quantity					0.000 MT		
		Net Total Quantity					3.900 MT		
		Say 3.900 MT @ Rs 93251.44 / MT					<b>Rs 363680.62</b>		
5	12.39 Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap								
	wing wall right bank upstream and down stream side	1	53.000	6.000	0.100		31.800		
		Total Quantity					31.800 cum		
		Total Deducted Quantity					0.000 cum		
		Net Total Quantity					31.800 cum		
		Say 31.800 cum @ Rs 7260.60 / cum					<b>Rs 230887.08</b>		
6	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								

	wing wall right bank u/s stream	1	15.000	6.000	1.500		135.000		
	wing wall right bank d/s stream	1	38.000	6.000	1.500		342.000		
	Total Quantity						477.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						477.000 cum		
	Say 477.000 cum @ Rs 8255.05 / cum							<b>Rs 3937658.85</b>	
7	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								
	wing wall left bank u/s stream	1	6.000	6.000	1.500		54.000		
	wing wall left bank d/s stream	1	16.000	6.000	1.500		144.000		
	Side protection u/s right bank	1	136.000	3.500	0.800		380.800		
	Side protection u/s right bank	1	66.000	4.200	1.000		277.200		
	Side protection u/s right bank	1	150.000	3.850	0.900		519.750		
	Side protection u/s left bank	1	253.000	3.500	0.800		708.401		
	Side protection u/s left bank	1	79.000	2.800	0.700		154.840		
	Side protection d/s right bank	1	285.000	2.800	0.700		558.600		
	Side protection d/s left bank	1	285.000	2.800	0.700		558.600		
	Total Quantity						3356.191 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						3356.191 cum		
	Say 3356.191 cum @ Rs 8131.17 / cum							<b>Rs 27289759.57</b>	
8	13.5.F.P.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m								

	left bank wing wall (End counterfort)u/s and d/s	4	4.000	0.600	5.200		49.920	
	Middle counterfort	5	0.500*4	0.600	5.200		31.201	
	right bank wing wall (End counterfort)	4	4.000	0.600	5.000		48.000	
	middle counterfort	15	(1.43+4)/2	0.600	5.000		122.175	
	left bank stem u/s and d/s	1	22.000	1.000	5.200		114.400	
	right bank stem u/s and d/s	1	53.000	1.000	5.000		265.000	
	Side protection u/s right bank	1	136.000	(.5+.4)/2	5.000		306.000	
	Side protection u/s right bank	1	66.000	(.5+.6)/2	6.000		217.800	
	Side protection u/s right bank	1	150.000	(.55+.45)/2	5.500		412.500	
	Side protection u/s left bank	1	253.000	(.5+.4)/2	5.000		569.250	
	Side protection u/s left bank	1	79.000	(.4+.3)/2	4.000		110.600	
	Side protection d/s right bank	1	285.000	(.4+.3)/2	4.000		399.000	
	Side protection d/s left bank	1	285.000	(.4+.3)/2	4.000		399.000	
						Total Quantity	3044.846 cum	
						Total Deducted Quantity	0.000 cum	
						Net Total Quantity	3044.846 cum	
						Say 3044.846 cum @ Rs 8621.01 / cum	<b>Rs 26249647.81</b>	
9	od215919/2019_2020 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 							
	piles	1	828.000	3.14*.5*.5		0.12	77.998	
	RCC M30	1	477.000			0.16	76.321	
	wing wall left bank u/s stream	1	6.000	6.000	1.500	0.16	8.640	



	wing wall left bank d/s stream	1	16.000	6.000	1.500	0.16	23.040		
	Side protection u/s right bank	1	136.000	3.500	0.800	0.04	15.233		
	Side protection u/s right bank	1	66.000	4.200	1.000	0.04	11.088		
	Side protection u/s right bank	1	150.000	3.850	0.900	0.04	20.790		
	Side protection u/s left bank	1	253.000	3.500	0.800	0.04	28.337		
	Side protection u/s left bank	1	79.000	2.800	0.700	0.04	6.194		
	Side protection d/s right bank	1	285.000	2.800	0.700	0.04	22.344		
	Side protection d/s left bank	1	285.000	2.800	0.700	0.04	22.344		
	Total Quantity						312.329 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						312.329 MT		
	Say 312.329 MT @ Rs 92121.62 / MT						<b>Rs 28772253.45</b>		
10	od6762/2020_2021 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height above 5m. Specification as per 13.5.F.q.2 of MORTH spec								
	right bank wing wall (end counterfort)	4	4.000	0.600	2.500		24.000		
	middle counterfort	15	.5*1.43	0.600	2.500		16.088		
	Total Quantity						40.088 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						40.088 cum		
	Say 40.088 cum @ Rs 8903.14 / cum						<b>Rs 356909.08</b>		
11	od215925/2019_2020 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								
	wing wall height upto 5m	1	630.690			0.15	94.604		

	wing wall height above 5m	1	40.088			0.15	6.014	
	side protection wall	1	2414.150			0.04	96.566	
	Total Quantity						197.184 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						197.184 MT	
	Say 197.184 MT @ Rs 92399.76 / MT						<b>Rs 18219754.28</b>	
12	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.							
	left bank wing wall	1	60.000	0.600	6.700		241.201	
	right bank wing wall	1	60.000	0.600	9.000		324.000	
	left bank counterfort	10	0.600	0.600	6.7		-24.119	
	right bank counterfort	23	0.600	0.600	9.700		-80.315	
	Total Quantity						565.201 cum	
	Total Deducted Quantity						-104.434 cum	
	Net Total Quantity						460.767 cum	
	Say 460.767 cum @ Rs 3141.29 / cum						<b>Rs 1447402.77</b>	
13	od215945/2019_2020 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
		1	3700.000				3700.000	
	Total Quantity						3700.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						3700.000 metre	
	Say 3700.000 metre @ Rs 127.46 / metre						<b>Rs 471602.00</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>3 Appendix C -Construction of Switch Room cum Watchman Room</b>								
1	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							
		4	10.000	5.000			200.000	

		Total Quantity						200.000 sqm
		Total Deducted Quantity						0.000 sqm
		Net Total Quantity						200.000 sqm
		Say 200.000 sqm @ Rs 9.51 / sqm						<b>Rs 1902.00</b>
2	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood ) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead:Of area 3 sq. metres and below						
	Door	4				1.25	5.000	
	Window	7				1.25	8.750	
	Ventilator	2				1.25	2.500	
		Total Quantity						16.250 each
		Total Deducted Quantity						0.000 each
		Net Total Quantity						16.250 each
		Say 16.250 each @ Rs 208.43 / each						<b>Rs 3386.99</b>
3	15.17.2	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in:Channels, angles, tees and flats						
	From item no. 4	110.078				15.0	1651.170	
		Total Quantity						1651.170 kg
		Total Deducted Quantity						0.000 kg
		Net Total Quantity						1651.170 kg
		Say 1651.170 kg @ Rs 1.32 / kg						<b>Rs 2179.54</b>
4	15.28.2	Dismantling roofing including ridges, hips, velleys and gutters etc., and stacking the material within 50 metres lead of :Asbestos Sheet						
	front	1	8.970	6.700		1.25	75.124	
	Back	1	3.900	7.170		1.25	34.954	
		Total Quantity						110.078 sqm
		Total Deducted Quantity						0.000 sqm
		Net Total Quantity						110.078 sqm
		Say 110.078 sqm @ Rs 43.38 / sqm						<b>Rs 4775.18</b>
5	od131224/2020_2021	Demolishing laterite stone masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in-Charges: In Lime Mortor						

	Existing building	2	7.770	0.200	3.000		9.324		
		3	5.500	0.200	3.000		9.900		
		3	2.700	0.200	2.300		3.726		
		1	5.970	0.200	2.300		2.747		
	Door	4	0.900	0.200	2.100		-1.512		
	Window	7	1.100	0.200	1.500		-2.310		
	Ventilator	2	0.600	0.200	0.600		-0.144		
	Lintel	1	45.000	0.200	0.150		-1.349		
	Total Quantity						25.697 cum		
	Total Deducted Quantity						-5.315 cum		
	Net Total Quantity						20.382 cum		
	Say 20.382 cum @ Rs 625.99 / cum						<b>Rs 12758.93</b>		
6	15.3 Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material with in 50 metres lead as per direction of Engineer -in-Charge.								
	Lintel	1	45.000	0.200	0.150		1.350		
	Total Quantity						1.350 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1.350 cum		
	Say 1.350 cum @ Rs 1920.59 / cum						<b>Rs 2592.80</b>		
7	od131227/2020_2021 Engaging man mazdoor for cleaning room, washing walls etc								
		5					5.000		
	Total Quantity						5.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						5.000 each		
	Say 5.000 each @ Rs 564.38 / each						<b>Rs 2821.90</b>		
8	2.1.1 Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5m in width as well as 10 sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed:All Kinds of soil								
	Ramp								
		2	2.000	0.450	0.300		0.540		
		1	4.000	0.450	0.300		0.540		
	Step								

		1	1.200	0.600	0.100		0.072	
	For water tank platform foundation	1	2.000	2.000	0.400		1.600	
	Total Quantity						2.752 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.752 sqm	
	Say 2.752 sqm @ Rs 69.98 / sqm						<b>Rs 192.58</b>	
9	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)							
	Plinth belt	1	45.000	0.300	0.150		2.025	
	Total Quantity						2.025 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2.025 cum	
	Say 2.025 cum @ Rs 8206.75 / cum						<b>Rs 16618.67</b>	
10	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
	Plinth belt	2	45.000		0.150		13.500	
	For water tank platform foundation	4	2.000		0.300		2.400	
	Total Quantity						15.900 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						15.900 sqm	
	Say 15.900 sqm @ Rs 256.09 / sqm						<b>Rs 4071.83</b>	
11	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)							
	Generator Room	1	4.020	5.100	0.075		1.538	
	Watchman room	1	3.100	5.100	0.075		1.186	
	Store room	1	2.700	2.500	0.075		0.507	
	Toilet room	1	2.620	2.500	0.075		0.492	
	Ramp							
		2	2.000	0.450	0.100		0.181	

		1	4.000	0.450	0.100		0.181		
	Above filling	1	3.600	2.000	0.100		0.721		
	Step								
		1	1.200	0.600	0.100		0.072		
	For water tank platform foundation	1	2.000	2.000	0.100		0.400		
	Total Quantity						5.278 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						5.278 cum		
	Say 5.278 cum @ Rs 5912.95 / cum						<b>Rs 31208.55</b>		
12	50.6.1.1 Solid block masonry using pre cast solid blocks ( factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part 1 of 1979 for foundation and plinth with thickness 20 cm and above in: CM 1:6 ( 1 cement : 6 coarse sand) etc complete								
	Ramp								
	Base	2	2.000	0.450	0.200		0.361		
		1	4.000	0.450	0.200		0.361		
		2	2.000	0.200	(0+0.35)/2		0.140		
	Step								
	Step 1	1	1.200	0.600	0.150		0.108		
	Step 2	1	1.200	0.300	0.150		0.054		
	Total Quantity						1.024 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1.024 cum		
	Say 1.024 cum @ Rs 5090.97 / cum						<b>Rs 5213.15</b>		
13	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.								
	Ramp	1	3.600	2.000	(0+0.45)/2		1.620		
	Total Quantity						1.620 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1.620 cum		
	Say 1.620 cum @ Rs 166.04 / cum						<b>Rs 268.98</b>		
14	50.6.7.2								

	Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.								
	Long wall-1	2	7.720	0.200	3.600		11.117		
	Short wall-1	3	5.500	0.200	3.600		11.880		
	Gable wall	3	5.500	0.200	1.000	0.5	1.651		
	Rear side	3	2.700	0.200	3.000		4.860		
		1	5.900	0.200	3.000		3.541		
	Gable wall	3	2.700	0.200	0.600	0.5	0.486		
	Door(D1&D2)	3	0.900	0.200	2.100		-1.134		
	R.S	1	4.000	0.200	2.700		-2.160		
	Window	6	1.100	0.200	1.500		-1.980		
	Ventilator	2	0.600	0.200	0.400		-0.096		
	Lintel	1	45.000	0.200	0.150		-1.349		
	Total Quantity						33.535 cum		
	Total Deducted Quantity						-6.719 cum		
	Net Total Quantity						26.816 cum		
	Say 26.816 cum @ Rs 6725.08 / cum						<b>Rs 180339.75</b>		
15	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 <sup>0</sup> landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).								
	Lintel	1	45.000	0.200	0.150		1.350		
	For water tank platform foundation	1	2.000	2.000	0.300		1.200		
	Total Quantity						2.550 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						2.550 cum		
	Say 2.550 cum @ Rs 9758.81 / cum						<b>Rs 24884.97</b>		
16	5.9.5 Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers								
	Lintel	2	45.000		0.150		13.500		
	Total Quantity						13.500 sqm		

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					13.500 sqm	
		Say 13.500 sqm @ Rs 452.77 / sqm					<b>Rs 6112.39</b>	
17	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more							
	Plinth belt	2.025				80.0	162.000	
	Lintel	1.35				100.0	135.000	
	For water tank platform foundation	1.2				150.0	180.000	
		Total Quantity					477.000 kilogram	
		Total Deducted Quantity					0.000 kilogram	
		Net Total Quantity					477.000 kilogram	
		Say 477.000 kilogram @ Rs 74.73 / kilogram					<b>Rs 35646.21</b>	
18	13.1.1 12 mm cement plaster of mix:1:4 ( 1 cement : 4 fine sand)							
	Long wall-1	2*2	7.720		3.600		111.168	
	Short wall-1	3*2	5.500		3.600		118.801	
	Gable wall	3*2	5.500		1.000	0.5	16.500	
	Rear side	3*2	2.700		3.000		48.601	
		1*2	5.900		3.000		35.401	
	Gable wall	3*2	2.700		0.600	0.5	4.860	
	Door(D1&D2)	3	0.900	0.200	2.100		-1.134	
	R.S	1	4.000	0.200	2.700		-2.160	
	Window	6	1.100	0.200	1.500		-1.980	
	Ventilator	2	0.600	0.200	0.400		-0.096	
	Lintel	1*2	45.000		0.150		13.500	
	Basement	1	45.000		0.500		22.500	
		Ramp						
		2	2.000		(0+0.35)/2		0.700	
		Step						
	Step 1	1	1.200	0.300			0.360	
		2		0.600	0.150		0.180	
		1	1.200		0.150		0.180	



	Step 2	1	1.200	0.300			0.360		
		2		0.300	0.150		0.090		
		1	1.200		0.150		0.180		
		Total Quantity					373.381 sqm		
		Total Deducted Quantity					-5.370 sqm		
		Net Total Quantity					368.011 sqm		
		Say 368.011 sqm @ Rs 228.36 / sqm					<b>Rs 84038.99</b>		
19	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	1*2	2.620		2.100		11.005		
		1*2	2.500		2.100		10.500		
	Door	1	0.900		2.100		-1.890		
	Ventilator	1	0.600		0.400		-0.240		
		Total Quantity					21.505 sqm		
		Total Deducted Quantity					-2.130 sqm		
		Net Total Quantity					19.375 sqm		
		Say 19.375 sqm @ Rs 983.43 / sqm					<b>Rs 19053.96</b>		
20	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.							
	Toilet Flooring	1	2.620	2.500			6.551		
		Total Quantity					6.551 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					6.551 sqm		
		Say 6.551 sqm @ Rs 908.90 / sqm					<b>Rs 5954.20</b>		
21	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600 x 600 mm.							
	Generator room	1	4.020	5.100			20.502		

	Store room	1	2.700	2.500			6.750	
	Watchman room	1	3.100	5.100			15.810	
	Skirting	4	5.100		0.100		2.040	
		2	3.100		0.100		0.621	
		2	4.020		0.100		0.804	
		2	2.700		0.100		0.540	
		2	2.500		0.100		0.500	
	Step							
	Step 1	1	1.200	0.300			0.360	
		2		0.600	0.150		0.180	
		1	1.200		0.150		0.180	
	Step 2	1	1.200	0.300			0.360	
		2		0.300	0.150		0.090	
		1	1.200		0.150		0.180	
	Total Quantity						48.917 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						48.917 sqm	
	Other Engineering Say 48.917 sqm @ Rs. 1478.06 / sqm						<b>Rs 72302.26</b>	
22	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer							
	Long wall-1	2*2	7.720		3.600		111.168	
	Short wall-1	3*2	5.500		3.600		118.801	
	Gable wall	3*2	5.500		1.000	0.5	16.500	
	Rear side	3*2	2.700		3.000		48.601	
		1*2	5.900		3.000		35.401	
	Gable wall	3*2	2.700		0.600	0.5	4.860	
	Door(D1&D2)	2	0.900		2.100		-3.780	
	R.S	1	4.000		2.700		-10.800	
	Window	6	1.100		1.500		-9.900	
	Ventilator	1	0.600		0.400		-0.240	
	Toilet	2	2.620		2.100		-11.004	
		2	2.500		2.100		-10.500	

	Lintel	1*2	45.000		0.150		13.500	
	Basement	1	45.000		0.500		22.500	
	Total Quantity						371.331 sqm	
	Total Deducted Quantity						-46.224 sqm	
	Net Total Quantity						325.107 sqm	
	Say 325.107 sqm @ Rs 48.79 / sqm						<b>Rs 15861.97</b>	
23	13.60.1 Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work							
	Long wall-1	2*2	7.720		3.600		111.168	
	Short wall-1	3*2	5.500		3.600		118.801	
	Gable wall	3*2	5.500		1.000	0.5	16.500	
	Rear side	3*2	2.700		3.000		48.601	
		1*2	5.900		3.000		35.401	
	Gable wall	3*2	2.700		0.600	0.5	4.860	
	Door(D1&D2)	2	0.900		2.100		-3.780	
	R.S	1	4.000		2.700		-10.800	
	Window	6	1.100		1.500		-9.900	
	Ventilator	1	0.600		0.400		-0.240	
	Toilet	2	2.620		2.100		-11.004	
		2	2.500		2.100		-10.500	
	Lintel	1*2	45.000		0.150		13.500	
	Basement	1	45.000		0.500		22.500	
	Total Quantity						371.331 sqm	
	Total Deducted Quantity						-46.224 sqm	
	Net Total Quantity						325.107 sqm	
	Say 325.107 sqm @ Rs 111.51 / sqm						<b>Rs 36252.68</b>	
24	10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Hot finished welded type tubes							
		2	9.000	3.600		20.0	1296.000	
		1	7.200	2.100		20.0	302.401	
	Total Quantity						1598.401 kg	

		Total Deducted Quantity					0.000 kg	
		Net Total Quantity					1598.401 kg	
		Say 1598.401 kg @ Rs 119.17 / kg					<b>Rs 190481.45</b>	
25	13.52.1	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work						
		2	9.000	3.600			64.800	
		1	7.200	2.100			15.121	
		Total Quantity					79.921 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					79.921 sqm	
		Say 79.921 sqm @ Rs 161.75 / sqm					<b>Rs 12927.22</b>	
26	12.1.1	Providing corrugate G.S. sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete ( up to any pitch in horizontal / vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 1.00 mm thick with zinc coating not less than 275 gm/m2						
		2	9.000	3.600			64.800	
		1	7.200	2.100			15.121	
		Total Quantity					79.921 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					79.921 sqm	
		Say 79.921 sqm @ Rs 1264.88 / sqm					<b>Rs 101090.47</b>	
27	12.4.1	Providing ridges or hips width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete. 0.80 mm thick with zinc coating not less than 275 gm/m2						
		1	8.920				8.920	
		Total Quantity					8.920 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					8.920 metre	
		Say 8.920 metre @ Rs 803.27 / metre					<b>Rs 7165.17</b>	
28	9.118.1	Providing and fixing to existing door frames 24 mm thick factory made PVC door shutters made of styles						

	and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm ( $\pm 0.2$ mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm ( $\pm 0.2$ mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge( For W.C. and bathroom door shutter).							
	D2	2	0.900		2.100		3.781	
	Total Quantity						3.781 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						3.781 sqm	
	Say 3.781 sqm @ Rs 2377.38 / sqm						<b>Rs 8988.87</b>	
29	9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in Charge.							
	D2	2	6.200				12.400	
	Total Quantity						12.400 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						12.400 metre	
	Say 12.400 metre @ Rs 579.33 / metre						<b>Rs 7183.69</b>	
30	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							
	D1- Hor	1	1.300	0.100	0.070		0.010	
	D1- Ver	1*2	2.100	0.100	0.070		0.030	
	W- Hor	6*2	1.500	0.100	0.070		0.127	
	W- Ver	6*3	1.500	0.100	0.070		0.190	
	V- Hor	2*2	1.000	0.100	0.070		0.029	
	V- Ver	2*2	0.400	0.100	0.070		0.012	

						Total Quantity	0.398 cum
						Total Deducted Quantity	0.000 cum
						Net Total Quantity	0.398 cum
						Say 0.398 cum @ Rs 101243.49 / cum	<b>Rs 40294.91</b>
31	50.9.3.1 Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows, 30 mm thick shutters including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction Of Engineer in- charge. using Anjili/ Jack wood						
	D1	1	0.900	2.100			1.891
						Total Quantity	1.891 sqm
						Total Deducted Quantity	0.000 sqm
						Net Total Quantity	1.891 sqm
						Say 1.891 sqm @ Rs 2572.23 / sqm	<b>Rs 4864.09</b>
32	50.9.4.1 Providing and fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured) paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick using good quality Anjili/ Jack wood						
	D1	4	0.250	0.450			0.450
						Total Quantity	0.450 sqm
						Total Deducted Quantity	0.000 sqm
						Net Total Quantity	0.450 sqm
						Say 0.450 sqm @ Rs 2382.48 / sqm	<b>Rs 1072.12</b>
33	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						
	W	6	0.450		1.400		3.781
	V	2	0.600		0.400		0.480
						Total Quantity	4.261 sqm
						Total Deducted Quantity	0.000 sqm
						Net Total Quantity	4.261 sqm
						Say 4.261 sqm @ Rs 3291.95 / sqm	<b>Rs 14027.00</b>
34	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							
	W	6	1.100		1.500	15.0	148.500	
	V	2	0.600		0.400	15.0	7.200	
	Total Quantity						155.700 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						155.700 kg	
	Say 155.700 kg @ Rs 148.48 / kg						<b>Rs 23118.34</b>	
35	9.63.1 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:250x10 mm							
	D1	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 84.51 / no						<b>Rs 169.02</b>	
36	9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.							
	D1	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 734.74 / no						<b>Rs 734.74</b>	
37	10.6.1 Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 mm M.S. laths with 1.25 mm thick top cover							
	RS	1	4.000		2.700		10.800	
	Total Quantity						10.800 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						10.800 sqm	
	Say 10.800 sqm @ Rs 3058.18 / sqm						<b>Rs 33028.34</b>	

38	od131240/2020_2021 Supplying and fixing Ferro cement Ready made septic tank- 50mm thick						
	2000L	1				2000.0	2000.000
	Total Quantity						2000.000 Litre
	Total Deducted Quantity						0.000 Litre
	Net Total Quantity						2000.000 Litre
	Say 2000.000 Litre @ Rs 9.42 / Litre						<b>Rs 18840.00</b>
39	19.32.1 Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5						
		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 27307.85 / each						<b>Rs 27307.85</b>
40	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
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 6065.59 / each						<b>Rs 6065.59</b>
41	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 2766.63 / each						<b>Rs 2766.63</b>



42	18.51.1 Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.15 mm nominal bore								
		2					2.000		
		Total Quantity					2.000	each	
		Total Deducted Quantity					0.000	each	
		Net Total Quantity					2.000	each	
		Say 2.000 each @ Rs 650.36 / each					<b>Rs 1300.72</b>		
43	18.55.1 Providing and fixing PTMT stop cock of approved quality and colour.15 mm nominal bore, 86 mm long, weighing not less than 88 gms								
		1					1.000		
		Total Quantity					1.000	each	
		Total Deducted Quantity					0.000	each	
		Net Total Quantity					1.000	each	
		Say 1.000 each @ Rs 136.40 / each					<b>Rs 136.40</b>		
44	18.65 Providing and fixing PTMT Soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fittings arrangements, weighing not less than 106 gms.								
		1					1.000		
		Total Quantity					1.000	each	
		Total Deducted Quantity					0.000	each	
		Net Total Quantity					1.000	each	
		Say 1.000 each @ Rs 148.28 / each					<b>Rs 148.28</b>		
45	18.22.2 Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet:150 mm diameter								
		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 113.42 / each					<b>Rs 113.42</b>		
46	50.18.7.3.2 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 25 mm dia 10Kg/ cm <sup>2</sup> - Internal work- Exposed on wall								
		1	50.000				50.000		

		Total Quantity		50.000 metre	
		Total Deducted Quantity		0.000 metre	
		Net Total Quantity		50.000 metre	
		Say 50.000 metre @ Rs 194.08 / metre		<b>Rs 9704.00</b>	
47	50.18.7.6.2 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 50 mm dia 6 Kg/cm2 - Internal work- Exposed on wall	1	20.000		20.000
		Total Quantity		20.000 metre	
		Total Deducted Quantity		0.000 metre	
		Net Total Quantity		20.000 metre	
		Say 20.000 metre @ Rs 270.16 / metre		<b>Rs 5403.20</b>	
48	50.18.9.9.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge.110 mm dia 6Kg/cm2	1	10.000		10.000
		Total Quantity		10.000 metre	
		Total Deducted Quantity		0.000 metre	
		Net Total Quantity		10.000 metre	
		Say 10.000 metre @ Rs 430.00 / metre		<b>Rs 4300.00</b>	
49	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	30.000	3.000	90.000
		Total Quantity		90.000 sqm	
		Total Deducted Quantity		0.000 sqm	
		Net Total Quantity		90.000 sqm	
		Say 90.000 sqm @ Rs 118.97 / sqm		<b>Rs 10707.30</b>	
50	16.78.3 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 - III ( size range 26.5 mm to 0.075				

	mm) having CBR Value - 20							
		1	30.000	3.000	0.200		18.000	
	Total Quantity						18.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						18.000 cum	
	Say 18.000 cum @ Rs 2550.35 / cum						<b>Rs 45906.30</b>	
51	od131242/2020_2021 Providing and laying 80 mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of 6mm stone aggregate, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.							
		1	30.000	3.000			90.000	
	Total Quantity						90.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						90.000 sqm	
	Say 90.000 sqm @ Rs 825.88 / sqm						<b>Rs 74329.20</b>	
52	4.1.2 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:1/2:3 (cement : 11/2 coarse sand : 3 graded stone aggregate 20 mm nominal size)							
		2	30.000	0.200	0.300		3.600	
		2	3.000	0.200	0.300		0.361	
	Total Quantity						3.961 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						3.961 cum	
	Say 3.961 cum @ Rs 7822.91 / cum						<b>Rs 30986.55</b>	
53	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.							
	1000L	1				1000.0	1000.000	
	Total Quantity						1000.000 Litre	
	Total Deducted Quantity						0.000 Litre	
	Net Total Quantity						1000.000 Litre	
	Say 1000.000 Litre @ Rs 9.57 / Litre						<b>Rs 9570.00</b>	
54	10.2							

	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.							
	For water tank platform	1				500.0	500.000	
	Total Quantity						500.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						500.000 kg	
	Say 500.000 kg @ Rs 89.33 / kg						<b>Rs 44665.00</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>4 Appendix D- Electrical works</b>								
1	90.14.1.2 Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices & complying to IS 8623. Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for the fabrication of panel assembly. The measurments will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc. Supply and fabrication of MV panel board using 1.6mm CRCA sheet, powder coated (excluding base frame)							
	90.14.1.2	8.5					8.500	
	Total Quantity						8.500 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						8.500 sqm	
	Say 8.500 sqm @ Rs 2379.16 / sqm						<b>Rs 20222.86</b>	
2	90.14.4 Supply and fabrication conveyance and installation of base frame of panel board using 75 x 40 mm rolled steel channel (ISMC)							
	90.14.4	4					4.000	
	Total Quantity						4.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						4.000 metre	
	Say 4.000 metre @ Rs 954.77 / metre						<b>Rs 3819.08</b>	
3	90.14.10.11 Supply, conveyance and fixing the following types & current rated control gears & switchgears							

	conforming to IS 13947 suitable for 440 V, 50 Hz, AC supply in the existing panel assembly as required.125A, 35/36 kA (Ics=100%Icu), 4 pole, current limiting type MCCB with microprocessor based release with overload setting of 50 - 100% having adjustable OL & SC						
	90.14.10.11	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 17714.15 / no						<b>Rs 35428.30</b>
4	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	7					7.000
	Total Quantity						7.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						7.000 each
	Say 7.000 each @ Rs 1176.48 / each						<b>Rs 8235.36</b>
5	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 3021.81 / no						<b>Rs 6043.62</b>
6	90.14.11.2 MCCB AccessoriesSupply and fixing one number earth fault Relay up to 125A to 200A with CBCT.						
	90.14.11.2	1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 3503.73 / no						<b>Rs 3503.73</b>
7	90.14.11.5 MCCB AccessoriesSupply and fixing 100 - 200A earth fault module of MCCB with builtin CBCT.						
	90.14.11.5	1					1.000
	Total Quantity						1.000 no

	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 4685.73 / no						<b>Rs 4685.73</b>	
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	0.75					0.750	
	Total Quantity						0.750 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						0.750 sqm	
	Say 0.750 sqm @ Rs 3938.14 / sqm						<b>Rs 2953.61</b>	
9	90.14.3.3 Supply and providing heavy duty 'A' section neoprene gasket in the panel board Supply and providing 'U' section PVC beeding in the panel board							
	90.14.3.3	20					20.000	
	Total Quantity						20.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						20.000 metre	
	Say 20.000 metre @ Rs 4.32 / metre						<b>Rs 86.40</b>	
10	90.14.6 Supply and providing copper bus bars including finger type SMC bus bar supports in the bus chamber, suitable size nut & bolt, providng heat shrink sleeves etc. as required.							
	90.14.6	600					600.000	
	Total Quantity						600.000 Cum cm	
	Total Deducted Quantity						0.000 Cum cm	
	Net Total Quantity						600.000 Cum cm	
	Say 600.000 Cum cm @ Rs 6.00 / Cum cm						<b>Rs 3600.00</b>	
11	90.14.7 Supply and providing copper earth bus in the panel board							
	90.14.7	500					500.000	
	Total Quantity						500.000 Cum cm	
	Total Deducted Quantity						0.000 Cum cm	
	Net Total Quantity						500.000 Cum cm	
	Say 500.000 Cum cm @ Rs 6.00 / Cum cm						<b>Rs 3000.00</b>	
12	od215921/2019_2020							

	Supply and installation of LED indicator (R,Y,B) in the existing panel board and giving connection						
	od128845/2019_2020	6					6.000
	Total Quantity						6.000 Day
	Total Deducted Quantity						0.000 Day
	Net Total Quantity						6.000 Day
	Say 6.000 Day @ Rs 194.55 / Day						<b>Rs 1167.30</b>
13	od215923/2019_2020 Supply and installation of digital multi function meter (V,A,F) in the existing panel board and giving connection						
	od128846/2019_202	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 1797.96 / each						<b>Rs 1797.96</b>
14	od215926/2019_2020 Supply and installation of 2A 'C' curve SP MCB in the existing panel board and giving connection.						
	od128848/2019_2020	6					6.000
	Total Quantity						6.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						6.000 each
	Say 6.000 each @ Rs 228.89 / each						<b>Rs 1373.34</b>
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 2760.54 / each						<b>Rs 2760.54</b>
16	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	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 228.43 / each						<b>Rs 1827.44</b>	
17	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps							
	2.13.1	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 880.71 / each						<b>Rs 880.71</b>	
18	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 milliamperes 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 2813.77 / each						<b>Rs 2813.77</b>	
19	90.12.7.40 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp							
	90.12.7.40	350					350.000	
	Total Quantity						350.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						350.000	metre
	Say 350.000 metre @ Rs 227.61 / metre						<b>Rs 79663.50</b>	
20	90.12.7.28 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3.5 core 35 sq mm with factory made clamp							



	90.12.7.28	50					50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 363.69 / metre						<b>Rs 18184.50</b>	
21	9.1.21 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 35 sq. mm (32mm)							
	9.1.21	8					8.000	
	Total Quantity						8.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						8.000 set	
	Say 8.000 set @ Rs 372.35 / set						<b>Rs 2978.80</b>	
22	9.1.32 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)							
	9.1.32	15					15.000	
	Total Quantity						15.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						15.000 set	
	Say 15.000 set @ Rs 268.04 / set						<b>Rs 4020.60</b>	
23	4.1.2 Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.150 mm width X 50 mm depth X 1.6 mm thickness							
	4.1.2	50					50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 518.92 / metre						<b>Rs 25946.00</b>	
24	4.1.3 Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.225 mm width X 50 mm depth X							

	1.6 mm thickness						
	4.1.3	50					50.000
	Total Quantity						50.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						50.000 metre
	Say 50.000 metre @ Rs 607.38 / metre						<b>Rs 30369.00</b>
25	5.3 Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt ) as required.						
	5.3	5					5.000
	Total Quantity						5.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						5.000 set
	Say 5.000 set @ Rs 4730.99 / set						<b>Rs 23654.95</b>
26	5.13 Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.						
	5.13	50					50.000
	Total Quantity						50.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						50.000 metre
	Say 50.000 metre @ Rs 240.31 / metre						<b>Rs 12015.50</b>
27	5.17 Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.						
	5.17	30					30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 114.87 / metre						<b>Rs 3446.10</b>
28	od215930/2019_2020 Supply and fixing 100A TPN SDF in sheet steel enclosure on wall using suitable steel fastners.						
	od128883/2019_2020	1					1.000
	Total Quantity						1.000 each

		Total Deducted Quantity						0.000 each	
		Net Total Quantity						1.000 each	
		Say 1.000 each @ Rs 5431.96 / each						<b>Rs 5431.96</b>	
29	od215931/2019_2020 100A HRC fuse fuse base with fuse link 								
	od128886/2019_2020	3						3.000	
		Total Quantity						3.000 each	
		Total Deducted Quantity						0.000 each	
		Net Total Quantity						3.000 each	
		Say 3.000 each @ Rs 548.41 / each						<b>Rs 1645.23</b>	
30	od215932/2019_2020 100 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.								
	od128905/2019_2020	1						1.000	
		Total Quantity						1.000 each	
		Total Deducted Quantity						0.000 each	
		Net Total Quantity						1.000 each	
		Say 1.000 each @ Rs 344.17 / each						<b>Rs 344.17</b>	
31	od215933/2019_2020 Supply & installation of dust and vermin proof, 3 Phase Syntex Meter Board GS-MB-6535(size 760x450x260x) and to fix KSEB meters, fuse units, CT etc as required including fixing it on wall, making good the damages colour washing etc. as required.								
	od128913/2019_2020	1						1.000	
		Total Quantity						1.000 each	
		Total Deducted Quantity						0.000 each	
		Net Total Quantity						1.000 each	
		Say 1.000 each @ Rs 4819.78 / each						<b>Rs 4819.78</b>	
32	od215935/2019_2020 Supply, conveyance, installation, testing and commissioning of 40KVA/32KW D.G. set incorporating "CUMINS" Model X3.TAA-G2 Diesel Engine developing 56BHP at 1500rpm, Water cooled, 4cylinders, Coupled, ALternator rated at 32kw/40KVA, 415V, 50Hz, 0.8 P, mounted on a chanel iron base frame complete with fuel tank, Battery, Manuel control panel and other standard accessories with suitable CPCB approved factory assembled Acoustic enclosure.  								
	od128948/2019_2020	1						1.000	
		Total Quantity						1.000 each	
		Total Deducted Quantity						0.000 each	
		Net Total Quantity						1.000 each	

	Say 1.000 each @ Rs 618843.75 / each						<b>Rs 618843.75</b>	
33	od215938/2019_2020 Supply and providing following sizes of 'B' Class MS pipe with specials and flanged coupling in each full length of pipe, as additional exhaust piping, fixing the same firmly to the building / structure using necessary supports, such angle iron, MS clamp etc., painting the pipe and accessories with synthetic enamel paint over a coat of zinc chromate primer etc. as required. 100 mm dia or nearest size 'B' Class MS pipe							
	od128952/2019_2020	6					6.000	
	Total Quantity						6.000 per metre	
	Total Deducted Quantity						0.000 per metre	
	Net Total Quantity						6.000 per metre	
	Say 6.000 per metre @ Rs 1170.86 / per metre						<b>Rs 7025.16</b>	
34	5.15 Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.							
	5.15	200					200.000	
	Total Quantity						200.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						200.000 metre	
	Say 200.000 metre @ Rs 170.33 / metre						<b>Rs 34066.00</b>	
35	od215941/2019_2020 Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required							
	od128964/2019_2020	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 181.19 / each						<b>Rs 362.38</b>	
36	od215942/2019_2020 Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hose and clamps including fixing it to wall as required							
	od128974/2019_2020	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	

	Say 2.000 each @ Rs 2727.80 / each						<b>Rs 5455.60</b>	
37	od215944/2019_2020 Supply, installation, testing and commissioning of Solar LED lighting System with following accessories. (a) luminaire :- 1No 45W LED IP 65 street light luminaire with epoxy powder coated pressure die cast alu. housing with weather proof gasket and heat resistant toughened glass cover, 100ah lithium battery, 250W solar panel, battery box, charge controller with auto switch built in for dusk to dawn operation having protection against short circuit & lightning with mounting bracket suitable to fix on tubular pole							
	od129038/2019_2020	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 54089.25 / each						<b>Rs 108178.50</b>	
38	90.15.3.9 Supply installation testing and commissioning of Octogaonal Pole made of hot dip galvanised GI sheet 70 mm top diameter, 155 mm bottom diameter thickness 3mm base plate dimensions of 250x250x16 mm suitable for wind speed as per IS 875 Part III single arm bracket 0.5mt including connector foundation bolt 4 nos fixed in existing RCC foundation and junction box etc, complete 9 Meters							
	90.15.3.9	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 33082.73 / each						<b>Rs 66165.46</b>	
39	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group C							
	1.10.3	14					14.000	
	Total Quantity						14.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						14.000 point	
	Say 14.000 point @ Rs 999.54 / point						<b>Rs 13993.56</b>	
40	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2x1.5 sq.mm + 1x1.5 sq.mm earth wire							
	1.14.1	10					10.000	
	Total Quantity						10.000 metre	

	Total Deducted Quantity							0.000 metre
	Net Total Quantity							10.000 metre
	Say 10.000 metre @ Rs 147.88 / metre							<b>Rs 1478.80</b>
41	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 413.29 / each							<b>Rs 826.58</b>
42	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 536.08 / each							<b>Rs 536.08</b>
43	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 221.83 / metre							<b>Rs 2218.30</b>
44	90.3.19.3	Supply conveyance, installation, testing and commissioning the light fittings of following types made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1200 mm 1X20W LED Lamp with box type fixture						
	90.3.19.3	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 1174.79 / each						<b>Rs 9398.32</b>	
45	od215948/2019_2020 Supply and providing 2.5mm thick, 11KV grade, synthetic elastometric fire retardant insulating sheet							
	od129321/2019_2020	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 1669.07 / sqm of door area						<b>Rs 3338.14</b>	
46	1.25 Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.							
	1.25	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 380.28 / each						<b>Rs 1140.84</b>	
47	1.58 Supplying and fixing PVC batten/ angle holder including connection etc. as required.							
	1.58	3					3.000	
	Total Quantity						3.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						3.000	each
	Say 3.000 each @ Rs 81.86 / each						<b>Rs 245.58</b>	
48	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, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C							
	90.4.5.2	3					3.000	

	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 1858.15 / each						<b>Rs 5574.45</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>5 Appendix E: Demolishing of existing RCB</b>								
1	<p>2.4.6.A Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&amp;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 Steel Work in all types of sections upto a height of 5 m above plinth level excluding cutting of rivet - - Including dismembering</p>							
	I Beam	2	100.000			0.06	12.000	Unit wt of ISHB 9
	Hand Rail	2*2	100.000			0.03	12.000	
	Hoisting Mechanism	15	1.000			0.03	0.450	
	Miscellaneous	1				2.0	2.000	
	Total Quantity						26.450 tonne	
	Total Deducted Quantity						0.000 tonne	
	Net Total Quantity						26.450 tonne	
	Say 26.450 tonne @ Rs 2697.31 / tonne						<b>Rs 71343.85</b>	
2	<p>2.4.5 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&amp;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 Wood Work wrought framed and fixed in frames of trusses upto a height of 5 m above plinth level</p>							
	T.W Shutters	15	4.600	0.180	2.500		31.050	
	Miscellaneous	1				5.0	5.000	
	Total Quantity						36.050 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						36.050 cum	
	Say 36.050 cum @ Rs 990.77 / cum						<b>Rs 35717.26</b>	
3	<p>2.4.2.B Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of</p>							



	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							
	Deck slab	1	100.000	1.600	0.300		48.000	
	Hand Rail post	84	0.150	0.150	0.800		1.512	
	Kerb	2	100.000	0.250	0.200		10.000	
	Miscellaneous	1				20.0	20.000	
	Total Quantity						79.512 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						79.512 cum	
	Say 79.512 cum @ Rs 1109.17 / cum						<b>Rs 88192.33</b>	
4	2.4.4.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 Dismantling Stone Masonry - Rubble stone masonry in cement mortar.							
	Pier up to deck slab	15	4.600	1.000	3.700		255.300	
	Deck slab to working platform	15	2.000	1.000	2.700		81.000	
	Rubble masonry under shutter	15	4.600	1.300	1.500		134.550	
	Abutment	1				50.0	50.000	
	Total Quantity						520.850 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						520.850 cum	
	Say 520.850 cum @ Rs 505.94 / cum						<b>Rs 263518.85</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>6 Appendix F- Mechanical Works, F 1- Fabrication ,Supply &amp; erection of MS &amp; SS embedded parts(SS304 L Gade) for 6 Nos. of regulator shutters(Type-I- 3nos and Type-II- 3nos) &amp; Lock Shutters-8 Nos</b>								
1	85.101 Supply of MS plates conforming to IS 2062GrB including cost of conveyance charges							
	Shutter Type -II- 12.350M (width) x 3.5 M (height)- 3nos & -Secondary Embedded Parts							

Sill beam Alignment plate	26*3	0.230	0.100	0.010	7850.0	140.829	2a/206
Sill beam web stiffener	50*3	0.188	0.047	0.008	7850.0	83.236	3/206
Stiffener plate -	4*3	0.200	0.141	0.008	7850.0	21.252	4/206
Roller track Flange (U/s)	4*3	8.500	0.200	0.016	7850.0	2562.241	10/206
Roller track web (U/s)	2*3	8.500	0.200	0.016	7850.0	1281.121	11/206
Corner plate (U/s)	2*3	8.500	0.255	0.008	7850.0	816.714	12/206
Roller track web stiffener (U/s)	30*3	0.234	0.208	0.008	7850.0	275.095	13/206
Roller track web stiffener(U/s)	30*3	0.200	0.090	0.008	7850.0	101.736	14/206
Side guide web	2*3	10.100	0.120	0.020	7850.0	1141.705	18/206
Side guide Alignment plate	38*3	0.200	0.100	0.008	7850.0	143.185	19/206
Roller track flange (D/s)	4*3	8.500	0.150	0.016	7850.0	1921.680	22/206
Roller track web (D/s)	2*3	8.500	0.230	0.016	7850.0	1473.288	23/206
Seal track base plate (D/s)	2*3	8.500	0.345	0.008	7850.0	1104.966	24/206
vertical seal track stiffener	30*3	0.227	0.074	0.008	7850.0	94.943	25/206
Roller track stiffener (D/s)	60*3	0.230	0.067	0.008	7850.0	174.195	26/206
Shutter Type -I- 12.350m (width) x 3m (height)- 3nos- Primery embedded parts							
Anchoring plate Primary-Sill beam	26*3	0.150	0.100	0.010	7850.0	91.845	4/203
Anchoring plate-Roller track (U/s)	30*3	0.200	0.100	0.010	7850.0	141.300	3/203
Anchoring plate-Roller track (D/s)	30*3	0.200	0.100	0.010	7850.0	141.300	3/203
Anchoring plate-Roller track (side)	30*3	0.100	0.100	0.010	7850.0	70.650	2/203
Anchoring plate-Side Guide	30*3	0.200	0.100	0.010	7850.0	141.300	3/203
Shutter Type -II- 12.350m (width) x 3.5 m (height)- 3nos- Primary embedded parts							

Anchoring plate-Primary-Sill beam	26*3	0.150	0.100	0.010	7850.0	91.845	4/204
Anchoring plate-Roller track (U/s)	32*3	0.200	0.100	0.010	7850.0	150.721	3/204
Anchoring plate-Roller track (D/s)	32*3	0.200	0.100	0.010	7850.0	150.721	3/204
Anchoring plate-Roller track (side)	32*3	0.100	0.100	0.010	7850.0	75.361	2/204
Anchoring plate-Side Guide	40*3	0.200	0.100	0.010	7850.0	188.401	3/204
embedded parts for dogging beam							
base plate - pier top	4*6	0.400	0.400	0.012	7850.0	361.729	
8nos Primary Embedded Parts ( Diamond Lock shutter)							
Liner Connecting plate	132*2	0.065	0.065	0.010	7850.0	87.559	102/11
Liner-plate	2*2	6.200	3.455	0.012	7850.0	8071.433	102/6
plate at Sill beam joint	4*2	0.100	0.2218	0.010	7850.0	13.930	102/4
pivot support embedded part end plate	3*2	0.180	0.250	0.020	7850.0	42.390	105/4a
pivot support embedded part flange 1	8*2	1.190	0.170	0.016	7850.0	406.543	105/10
pivot support embedded part web 1	4*2	1.210	0.200	0.016	7850.0	243.162	105/11
pivot support embedded part flange 2	4*2	1.000	0.170	0.016	7850.0	170.816	105/12
pivot support embedded part web 2	2*2	1.000	0.200	0.016	7850.0	100.480	105/13
pivot support embedded part web stiffener	24*2	0.200	0.075	0.010	7850.0	56.520	105/14
Shutter Type -I- 12.350M (width) x 3 M (height)- 3nos &-Secondary Embedded Parts							
Sill beam Alignment plate	26*3	0.230	0.100	0.010	7850.0	140.829	2a/205
Sill beam web stiffener	50*3	0.188	0.047	0.008	7850.0	83.236	3/205
Stiffener plate -	4*3	0.200	0.141	0.008	7850.0	21.252	4/205
Roller track Flange (U/s)	4*3	8.000	0.200	0.016	7850.0	2411.521	10/205

	Roller track web (U/s)	2*3	8.000	0.200	0.016	7850.0	1205.761	11/205	
	Corner plate (U/s)	2*3	8.000	0.255	0.008	7850.0	768.672	12/205	
	Roller track web stiffener (U/s)	28*3	0.234	0.208	0.008	7850.0	256.755	13/205	
	Roller track web stiffener(U/s)	22*3	0.200	0.090	0.008	7850.0	74.607	14/205	
	Side guide web	2*3	9.600	0.120	0.020	7850.0	1085.184	18/205	
	Side guide Alignment plate	36*3	0.200	0.100	0.008	7850.0	135.649	19/205	
	Roller track flange (D/s)	4*3	8.000	0.150	0.016	7850.0	1808.640	24/205	
	Roller track web (D/s)	2*3	8.000	0.230	0.016	7850.0	1386.625	25/205	
	Seal track base plate (D/s)	2*3	8.000	0.345	0.008	7850.0	1039.968	26/205	
	vertical seal track stiffener	28*3	0.227	0.226	0.008	7850.0	270.629	27/205	
	Roller track stiffener (D/s)	64*3	0.230	0.067	0.008	7850.0	185.808	28/205	
	Total Quantity						33009.328 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						33009.328 kg		
	Say 33009.328 kg @ Rs 64.18 / kg						<b>Rs 2118538.67</b>		
2	85.107 Supply of MS round bar including cost of conveyance charges								
	Shutter Type -I- 12.350M (width) x 3M (height)- 3nos								
	Anchoring rodprimary-Roller track (U/S), ISRO 16	32*2*3	0.335			1.58	101.626	1/203	
	Anchoring rodprimary-Roller track (Side) , ISRO 16	32*2*3	0.335			1.58	101.626	1/203	
	Anchoring rodprimary-guide track, ISRO 16	40*2*3	0.335			1.58	127.033	1/203	
	Anchoring rodPrimary-sill beam,ISRO 16	26*2*3	0.335			1.58	82.571	1/203	

Anchoring rodPrimary-Roller track (D/S), ISRO 16	30*2*3	0.335			1.58	95.275	1/203
Anchoring rodPrimary-dogging beam, ISRO 16	16*3	0.335			1.58	25.407	1/203
Shutter Type -II- 12.350M (width) x 3.5M (height)- 3nos							
Anchoring rodprimary-Roller track (U/S), ISRO 16	32*2*3	0.335			1.58	101.626	1/203
Anchoring rodprimary-Roller track (Side) , ISRO 16	32*2*3	0.335			1.58	101.626	1/203
Anchoring rodprimary-guide track, ISRO 16	40*2*3	0.335			1.58	127.033	1/203
Anchoring rodPrimary-sill beam, ISRO 16	26*2*3	0.335			1.58	82.571	1/203
Anchoring rodPrimary-Roller track (D/S), ISRO 16	30*2*3	0.335			1.58	95.275	1/203
Anchoring rodPrimary-dogging beam, ISRO 16	16*3	0.335			1.58	25.407	1/203
For 8nos Diamond Lock shutter							
liner 16mm 325LG rod	220*2	0.325			1.58	225.940	102/12
sill beam 16mm 325LG rod	192*2	0.325			1.58	197.185	102/3
Guide Roller track 16mm 325LG rod	128*2	0.325			1.58	131.457	102/16
anchor rod pivot support embeded parts 16 mm	20*2	0.310			1.58	19.593	105/15
anchor rod - 1 operating mechanism embeded parts 30 mm	16*2	0.750			5.54	132.960	107/12
anchor rod - 2 operating mechanism embeded parts 20 mm	16*2	0.500			2.46	39.360	107/28
Total Quantity						1813.571 kg	

						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	1813.571 kg	
						Say 1813.571 kg @ Rs 64.18 / kg	<b>Rs 116394.99</b>	
3	od106035/2020_2021 Supply and fixing of MS Bolts and Nuts							
Bolts and nut with washer for- Shutter Type -I- 12.350M (width) x 3M (height)- 3nos								
	For connecting with seal track M16x60 LG	4*2*3				0.22	5.280	7/205
	Sill Beam M16 - 170 LG Bolt	52*2*3				0.36	112.320	8/205
	Roller Tack M16 - 85 LG Bolt (U/S)	32*2*3				0.23	44.161	16/205
	Roller Tack ( side) M16 - 150LG Bolt (U/S)	32*2*3				0.33	63.360	17/205
	Guide track M16 - 110 LG Bolt	40*2*3				0.27	64.801	20/205
	Roller track (D/S) 1 M16 - 110 LG Bolt	32*2*3				0.27	51.840	27/205
Bolt and nut with two washers - Shutter Type -II- 12.350M (width) x 3.5 M (height)- 3nos								
	For connecting with seal track M16x60 LG	4*2*3				0.22	5.280	7/205
	Sill Beam M16 - 170 LG Bolt	26*2*3				0.36	56.160	8/205
	Roller Tack M16 - 85 LG Bolt (U/S)	36*2*3				0.23	49.680	16/205
	Roller Tack ( side) M16 - 150LG Bolt (U/S)	36*2*3				0.33	71.280	17/205
	Guide track M16 - 110 LG Bolt	44*2*3				0.27	71.280	20/205
	Roller track (D/S) 1 M16 - 110 LG Bolt	36*2*3				0.27	58.321	27/205
For 8 nos Diamond Lock shutter								
	M16X40MM length	112*2				0.13	29.120	103/57
	M16X50MM length sill beam joint	8*2				0.14	2.240	102/5
						Total Quantity	685.123 kg	

	Total Deducted Quantity							0.000 kg
	Net Total Quantity							685.123 kg
	Say 685.123 kg @ Rs 78.22 / kg							<b>Rs 53590.32</b>
4	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	For Shutter Type -II- 12.350M (width) x 3.5M (height)- 3nos							
	Sill beam ISMB 200X100	1*3	12.900			25.4	982.980	1/205
	ISA 75x75x8 Roller track (U/S)	32*3	0.080			8.9	68.352	15/205
	ISA 75x75x8- sill beam - end	4*3	0.070			8.9	7.477	6/205
	I S A 35X35x5Alignment angle Primary embeddedsill beam	1*3	13.000			2.6	101.400	Not shown in drawing
	I S A 35X35x5Alignment angle Roller track	3*2*3	9.500			2.6	444.600	Not shown in drawing
	I S A 35X35x5Alignment angle guide track	1*2*3	10.500			2.6	163.800	Not shown in drawing
	For Shutter Type -I- 12.350M (width) x 3M (height)- 3nos							
	Sill beam ISMB 200X100	1*3	12.900			25.4	982.980	1/205
	ISA 75x75x8 Roller track (U/S)	32*3	0.080			8.9	68.352	15/205
	ISA 75x75x8- sill beam - end	4*3	0.070			8.9	7.477	6/205
	I S A 35X35x5Alignment angle Primary embeddedsill beam	1*3	13.000			2.6	101.400	Not shown in drawing
	I S A 35X35x5Alignment angle Roller track	3*2*3	8.500			2.6	397.800	Not shown in drawing

	I S A 35X35x5 Alignment angle guide track	1*2*3	10.000			2.6	156.000	Not shown in drawing
	For 8nos Diamond Lock shutter							
	Liner ISA 75x75x10	22*2	0.875			11.0	423.500	102/9
	Liner ISA 75x75x10	44*2	0.310			11.0	300.081	102/8
	Liner ISA 75x75x10	44*2	1.040			11.0	1006.721	102/7
	Liner ISMB 1/2 CUT 400X140	4*2	5.660		0.500	61.6	1394.624	102/10
	SILL BEAM ISA 75X75X8	64*2	0.2218			8.9	252.675	102/2
	Sill beam ISMC250X80	4*2	8.427			30.4	2049.447	102/1
	Guide roller track 1/2 ISMB 450x150	4*2	7.900		0.500	72.4	2287.840	102/14
	Pivot support embedded part ismb 200x100	2*2	0.890			25.4	90.424	105/17
	Pivot Support ISA 150x150x10	4*2	0.945			22.8	172.368	104/11
	Total Quantity						11460.298 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						11460.298 kg	
	Say 11460.298 kg @ Rs 66.13 / kg						<b>Rs 757869.51</b>	
5	85.108 Fabrication, erection and commissioning of Structural steel Embedded parts in IS2062 Grade and accessories as per approved specifications, drawings and directions of depl't officer at site including cost of labour , machinery , incidental and handling charges etc complete but excluding cost of material already supplied							
	MS Plates	33009.328					33009.328	
	MS Round	1810.399					1810.399	
	Sections	11460.298					11460.298	
	Total Quantity						46280.025 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						46280.025 kg	
	Say 46280.025 kg @ Rs 75.87 / kg						<b>Rs 3511265.50</b>	
6	od106101/2020_2021 Fabrication, Supply, erection and assembling of wheel track, sill seat and seal track in correct position							



and alignment by welding SS Embedded parts in 304L Grade as per approved specifications, drawings and directions of deptl officer at site including cost of all materials, labour, welding, shearing, grinding etc, lead and lift, conveyance, incidental and handling etc complete								
S S embedded parts For Shutter Type -I- 12.350M (width) x 3M (height)- 3nos								
Seal seat for sill beam	1*3	12.800	0.120	0.008	7850.0	289.383	2/205	
Bottom corner plate	2*3	0.400	0.100	0.008	7850.0	15.073	5/205	
Roller track (U/S)	2*3	7.900	0.120	0.016	7850.0	714.413	9/205	
Strap Roller track (D/S)	2*3	7.900	0.120	0.016	7850.0	714.413	23/205	
Seal seat for Vertical	2*3	7.900	0.080	0.008	7850.0	238.138	21/205	
Seal seat for Vertical	2*3	7.900	0.080	0.008	7850.0	238.138	22/205	
S S embedded parts For Shutter Type -II- 12.350M (width) x 3.5M (height)- 3nos								
Bottom corner plate	2*3	0.400	0.100	0.008	7850.0	15.073	5/206	
Seal seat for sill beam	1*3	12.800	0.120	0.008	7850.0	289.383	2/206	
Roller track (U/S)	2*3	8.400	0.120	0.016	7850.0	759.629	9/206	
Strap Roller track (D/S)	2*3	8.400	0.120	0.016	7850.0	759.629	23/206	
Seal seat for Vertical	2*3	8.400	0.080	0.008	7850.0	253.210	21/206	
Seal seat for Vertical	2*3	8.400	0.080	0.008	7850.0	253.210	22/206	
ss plate for roller track-Lock gates								
ss plate for roller track	4*2	7.900	0.170	0.008	7850.0	674.724	102/13	
ss plate for sill beam	4*2	8.450	0.100	0.008	7850.0	424.528	102/1a	
ss plate for side seal	4*2	6.200	0.100	0.008	7850.0	311.489	102/6a	
Total Quantity						5950.433 kg		
Total Deducted Quantity						0.000 kg		
Net Total Quantity						5950.433 kg		
Say 5950.433 kg @ Rs 488.51 / kg						<b>Rs 2906846.02</b>		
7	od106102/2020_2021 Bending Charge of ISMB For Roller track including machine hire charges, preheating Charges , current charge, labour etc complete.							
For roller track- 8 nos Diamond Lock gates								
Guide roller track 1/2 ISMB 450x150	4*2	7.900		0.500	72.4	2287.840		
Total Quantity						2287.840 kg		
Total Deducted Quantity						0.000 kg		

		Net Total Quantity					2287.840 kg	
		Say 2287.840 kg @ Rs 16.87 / kg					Rs 38595.86	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>7 Appendix F-2 Supply of materials, fabrication, painting and erection of MS Regulator shutters &amp; Lock Shutters</b>								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
For Diamond Lock Shutter-Pintle Assembly								
	pintle stiffener plate	12*2	0.140	0.140	0.010	7850.0	36.927	104/12
	pintle foundation plate 1	16*2	0.150	0.150	0.012	7850.0	67.824	104/14
	pintle foundation plate 2	32*2	0.200	0.200	0.012	7850.0	241.153	104/10
	pintle bearing cover plate	4*2	0.350	0.350	0.020	7850.0	153.860	104/5
	pivot base plate	4*2	0.300	0.080	0.020	7850.0	30.145	105/2
	pivot base plate stiffener	8*2	0.415	0.315	0.020	7850.0	328.382	105/3
	pivot foundation plate	4*2	0.150	0.180	0.020	7850.0	33.912	105/4
	pivot spacer	4*2	0.150	0.150	0.023	7850.0	32.499	105/6
	pivot pin head plate	4*2	0.150	0.150	0.008	7850.0	11.304	105/8
	pivot cover plate	4*2	0.300	0.300	0.033	7850.0	186.516	105/9
For Shutter Type -I- 12.350M (width) x 3M (height)- 3nos								
	Skin plate	1*3	12.350	3.000	0.010	7850.0	8725.275	1/207
	End box side plate	4*3	3.000	0.490	0.012	7850.0	1661.688	2/207
	Roller pin lock plate	4*3	0.200	0.200	0.010	7850.0	37.681	3/207
	Roller pin lock plate	4*3	0.200	0.200	0.010	7850.0	37.681	4/207
	Lock plate for roller dia 150	4*3	3.140	.15*.15/4	0.012	7850.0	19.966	5/207
	Stiffener plate - end box	14*3	0.490	0.170	0.008	7850.0	219.713	6/207
	Horizontal girder web	2*3	11.936	1.050	0.010	7850.0	5902.949	8/207
	Horizontal girder flange -1	2*3	8.660	0.180	0.012	7850.0	881.034	9/207
	Horizontal girder flange -2	2*3	12.196	0.200	0.012	7850.0	1378.636	10/207

	Horizontal girder flange -3	2*3	11.932	0.200	0.012	7850.0	1348.794	10a/207
	Horizontal girder Stiffener- bottom	12*3	0.912	0.090	0.008	7850.0	185.567	11/207
	Horizontal girder stiffener- bottom	12*3	0.912	0.175	0.008	7850.0	360.824	12/207
	Full depth Vertical Stiffener web -top	3*3	1.230	1.062	0.008	7850.0	738.299	14/207
	Full depth Vertical Stiffener web - middle	5*3	1.230	1.062	0.008	7850.0	1230.497	15/207
	Full depth Vertical Stiffener web -bottom	5*3	0.495	1.062	0.008	7850.0	495.200	16/207
	Full depth Vertical Stiffener flange -top	3*3	1.617	0.150	0.008	7850.0	137.090	17/207
	Full depth Vertical Stiffener flange middle	5*3	0.930	0.150	0.008	7850.0	131.410	18/207
	Vertical Stiffener -top	22*3	0.940	0.150	0.010	7850.0	730.521	19/207
	Vertical Stiffener middle	22*3	1.230	0.150	0.010	7850.0	955.895	20/207
	Vertical Stiffener bottom	22*3	0.495	0.150	0.010	7850.0	384.690	21/207
	Vertical Seal base	2*3	3.000	0.105	0.020	7850.0	296.730	25/207
	Bottom Seal baseend	2*3	0.100	0.090	0.010	7850.0	4.239	29/207
	Bottom Seal clamp	1*3	12.350	0.080	0.010	7850.0	232.674	30/207
	Bottom Seal stopper	1*3	12.350	0.020	0.020	7850.0	116.337	31/207
	Vertical Seal clamp	2*3	3.000	0.040	0.010	7850.0	56.520	34/207
	Lifting bracket plate	4*3	1.030	0.590	0.012	7850.0	686.945	1/211
	Lifting bracket stiffener plate-1	4*3	0.300	0.120	0.008	7850.0	27.130	2/211
	Lifting bracket stiffener plate-2	6*3	0.100	0.080	0.010	7850.0	11.304	3/211
	Lifting bracket stiffener plate-3	2*3	0.140	0.100	0.010	7850.0	6.594	4/211
	Lifting bracketstiffener plate-4	4*3	0.100	0.100	0.010	7850.0	9.421	5/211
	Guard plate	4*3	0.565	0.100	0.00315	7850.0	16.766	6/211
	Lifting cover plate	12*3	0.180	0.180	0.010	7850.0	91.563	7/211

	Shaft lock plate	24*3	0.130	0.050	0.010	7850.0	36.738	8/211
	Pulley spacer plate OD 150	8*3	3.140	.075*.075/ 4	0.008	7850.0	6.656	14/211
	Shaft cover plate	4*3	0.100	0.080	0.024	7850.0	18.087	15/211
	Lifting leg plate- skin plate side	4*3	1.370	0.250	0.016	7850.0	516.217	16/211
	Stiffener plate for lifting leg	2*3	1.005	0.128	0.010	7850.0	60.590	17/211
	Bottom plate for lifting leg	2*3	0.950	0.400	0.010	7850.0	178.981	18/211
	Stiffener plate	2*3	1.050	0.670	0.010	7850.0	331.349	19/211
	plate	2*3	1.412	0.210	0.010	7850.0	139.661	20/211
	Base plate for side guide roller	4*3	0.250	0.240	0.012	27.11	0.235	1/209
	Bracket plate for side guide roller	8*3	0.240	0.164	0.012	27.11	0.308	2/209
	Spacer plate for side guide roller OD 85	8*3	3.140	.045*.045/ 4	0.002	27.11	0.003	7/209
	Keeper plate	8*3	0.090	0.035	0.008	27.11	0.017	8/209
	Rib	24*3	0.080	0.060	0.008	27.11	0.075	10/209
	Packing plate for side guide roller	4*3	0.250	0.240	0.004	27.11	0.079	11/209
	Roller side plate dia 120	1*3	0.00036	3.140	0.008	7850.0	0.213	2/210
	Lock plate	1*3	0.0012	3.140	0.012	7850.0	1.065	3/210
	lock Plate	1*3	0.150	0.150	0.012	7850.0	6.359	4/210
	For Shutter Type -I & II - 6nos							
	Deduction area for horizontal Girder Web	4*6	1.167	1.167/2	0.010	7850.0	-1282.899	Deduction from 10/107
	For 8nos Diamond Lock shutters							
	skin plate	4*2	5.150	7.985	0.012	7850.0	30990.105	103/1
	plate on horizontal girder flange	20*2	0.190	8.300	0.012	7850.0	5942.136	103/1a
	end box plate	4*2	1.980	5.150	0.016	7850.0	10245.946	103/2
	pivot box stiffner plate 1	4*2	0.540	0.784	0.016	7850.0	425.393	103/3

	pivot box stiffner plate 1a	8*2	0.288	0.784	0.016	7850.0	453.752	103/3a
	pivot box stiffner plate 2	4*2	0.540	0.984	0.016	7850.0	533.911	103/4
	pivot box stiffner plate 2a	4*2	0.288	0.984	0.016	7850.0	284.753	103/4a
	pivot box stiffner plate 3	4*2	0.540	1.284	0.016	7850.0	696.689	103/5
	pivot box stiffner plate 3a	8*2	0.288	1.284	0.016	7850.0	743.135	103/5a
	pivot box stiffner plate 4	4*2	0.540	1.434	0.016	7850.0	778.077	103/6
	pivot box stiffner plate 4a	8*2	0.288	1.434	0.016	7850.0	829.949	103/6a
	pivot box stiffner plate 5	20*2	0.540	0.592	0.016	7850.0	1606.073	103/7
	Vertical wood seal support web	4*2	5.150	0.576	0.010	7850.0	1862.900	103/9
	Vertical wood seal support flange1	4*2	5.150	0.170	0.012	7850.0	659.777	103/10
	Vertical wood seal support flange2	4*2	5.150	0.475	0.012	7850.0	1843.495	103/11
	full depth vertical stiffener web 1	16*2	0.590	0.244	0.010	7850.0	361.628	103/12
	full depth vertical stiffener web 2	16*2	0.590	1.438	0.010	7850.0	2131.232	103/13
	full depth vertical stiffener web 3	16*2	0.590	1.288	0.010	7850.0	1908.920	103/14
	full depth vertical stiffener web 4	16*2	0.590	0.988	0.010	7850.0	1464.296	103/15
	full depth vertical stiffener web 5	16*2	0.590	0.788	0.010	7850.0	1167.880	103/16
	full depth vertical stiffener web 6	16*2	0.590	0.344	0.010	7850.0	509.836	103/17
	full depth vertical stiffener web 7	4*2	0.592	0.244	0.010	7850.0	90.714	103/18
	full depth vertical stiffener pivot box 1	4*2	0.592	1.438	0.010	7850.0	534.614	103/19

	full depth vertical stiffener pivot box 2	4*2	0.592	1.288	0.010	7850.0	478.848	103/20
	full depth vertical stiffener pivot box 3	4*2	0.592	0.988	0.010	7850.0	367.315	103/21
	full depth vertical stiffener pivot box 4	4*2	0.592	0.788	0.010	7850.0	292.960	103/22
	full depth vertical stiffener pivot box 5	4*2	0.592	0.344	0.010	7850.0	127.891	103/23
	full depth vertical stiffener flange1	16*2	0.210	1.240	0.010	7850.0	654.125	103/30
	full depth vertical stiffener flange2	16*2	0.210	1.090	0.010	7850.0	574.997	103/31
	full depth vertical stiffener flange3	16*2	0.210	0.790	0.010	7850.0	416.741	103/32
	full depth vertical stiffener flange4	16*2	0.210	0.590	0.010	7850.0	311.237	103/33
	vertical stiffener 1	60*2	0.200	0.244	0.010	7850.0	459.697	103/24
	vertical stiffener 2	60*2	0.200	1.438	0.010	7850.0	2709.192	103/25
	vertical stiffener 3	60*2	0.200	1.288	0.010	7850.0	2426.592	103/26
	vertical stiffener 4	60*2	0.200	0.988	0.010	7850.0	1861.392	103/27
	vertical stiffener 5	60*2	0.200	0.788	0.010	7850.0	1484.592	103/28
	vertical stiffener 6	60*2	0.200	0.344	0.010	7850.0	648.097	103/29
	vertical seal base	4*2	4.978	0.060	0.012	7850.0	225.086	103/40
	Vertical seal clamp	4*2	5.105	0.060	0.012	7850.0	230.828	103/41
	bottom seal base	4*2	8.313	0.060	0.012	7850.0	375.881	103/42
	Bottom seal clamp	4*2	8.440	0.060	0.012	7850.0	381.624	103/43
	stiffener plate for pintle and pivot	20*2	0.541	0.592	0.010	7850.0	1005.655	103/45
	hand rail flat	8*2	7.190	0.050	0.008	7850.0	361.226	103/55
	Guide mounting plate 1	4*2	0.322	0.032	0.100	7850.0	64.710	103/58
	Guide mounting plate 2	8*2	0.080	0.200	0.016	7850.0	32.154	103/59
	Guard for roller	8*2	0.500	0.560	0.012	7850.0	422.017	103/60
	Roller bracket	8*2	0.185	0.150	0.016	7850.0	55.767	106/6
	Roller mounting plate	8*2	0.350	0.360	0.016	7850.0	253.210	106/7

	Roller pin lock plate	8*2	0.040	0.090	0.008	7850.0	3.618	106/12
	Roller mounting support plate	4*2	0.350	0.360	0.016	7850.0	126.605	106/14
	spring socket plate OD 135 ID 17.5 15tk	16*2	0.135	0.135	0.015	7850.0	68.672	106/8
	For Shutter Type -II- 12.350M (width) x 3.5M (height)- 3nos							
	Skin plate	1*3	12.350	3.500	0.010	7850.0	10179.488	1/208
	End box side plate	4*3	3.500	0.490	0.012	7850.0	1938.636	2/208
	Roller pin lock plate	4*3	0.200	0.200	0.010	7850.0	37.681	3/208
	Roller pin lock plate	4*3	0.200	0.200	0.010	7850.0	37.681	4/208
	Roller pin lock plate	4*3	3.140	.15*.15/4	0.012	7850.0	19.966	5/208
	Stiffener plate - end box	14*3	0.490	0.170	0.008	7850.0	219.713	6/208
	Horizontal girder web	2*3	11.936	1.050	0.010	7850.0	5902.949	8/208
	Horizontal girder flange -1	2*3	8.660	0.180	0.012	7850.0	881.034	9/208
	Horizontal girder flange -2	2*3	12.196	0.200	0.012	7850.0	1378.636	10/208
	Horizontal girder flange -3	2*3	11.936	0.200	0.012	7850.0	1349.246	10a/208
	Horizontal girder Stiffener- bottom	12*3	0.912	0.090	0.008	7850.0	185.567	11/208
	Horizontal girder stiffener- bottom	12*3	0.912	0.175	0.008	7850.0	360.824	12/208
	Full depth Vertical Stiffener web -top	3*3	1.530	1.062	0.008	7850.0	918.371	14/208
	Full depth Vertical Stiffener web - middle	5*3	1.230	1.062	0.008	7850.0	1230.497	15/208
	Full depth Vertical Stiffener web -bottom	5*3	0.495	1.062	0.008	7850.0	495.200	16/208
	Full depth Vertical Stiffener flange -top	3*3	1.830	0.150	0.008	7850.0	155.148	17/208
	Full depth Vertical Stiffener flange middle	5*3	1.118	0.150	0.008	7850.0	157.974	18/208
	Vertical Stiffener -top	22*3	1.530	0.150	0.010	7850.0	1189.040	19/208
	Vertical Stiffener middle	22*3	1.430	0.150	0.010	7850.0	1111.325	20/208

	V e r t i c a l Stiffenerbottom	22*3	0.495	0.150	0.010	7850.0	384.690	21/208
	Vertical Seal base	2*3	3.500	0.105	0.020	7850.0	346.185	25/208
	Bottom Seal base end	2*3	0.100	0.090	0.010	7850.0	4.239	29/208
	Bottom Seal clamp	1*3	12.350	0.080	0.010	7850.0	232.674	30/208
	Bottom Seal stopper	1*3	12.350	0.020	0.020	7850.0	116.337	31/208
	Vertical Seal clamp	2*3	3.500	0.040	0.010	7850.0	65.941	34/208
	Lifting bracket plate	4*3	1.030	0.590	0.012	7850.0	686.945	1/223
	Lifting bracket stiffener plate-1	4*3	0.300	0.120	0.008	7850.0	27.130	2/223
	Lifting bracket stiffener plate-2	6*3	0.100	0.080	0.010	7850.0	11.304	3/223
	Lifting bracket stiffener plate-3	2*3	0.140	0.100	0.010	7850.0	6.594	4/223
	Lifting bracketstiffener plate-4	4*3	0.100	0.100	0.010	7850.0	9.421	5/223
	Guard plate	4*3	0.565	0.100	0.00315	7850.0	16.766	6/223
	Lifting cover plate	12*3	0.180	0.180	0.010	7850.0	91.563	7/223
	Shaft lock plate	24*3	0.130	0.050	0.010	7850.0	36.738	8/223
	Pulley spacer plate OD 150	8*3	3.140	.075*.075/ 4	0.008	7850.0	6.656	14/223
	Shaft cover plate	4*3	0.100	0.080	0.024	7850.0	18.087	15/223
	Lifting leg plate- skin plate side	4*3	1.670	0.250	0.016	7850.0	629.257	16/223
	Stiffener plate for lifting leg	2*3	1.305	0.128	0.010	7850.0	78.676	17/223
	Bottom plate for lifting leg	2*3	0.950	0.400	0.010	7850.0	178.981	18/223
	Stiffener plate-1	2*3	1.305	0.670	0.010	7850.0	411.819	19/223
	plate	2*3	1.530	0.210	0.010	7850.0	151.333	20/223
	Base plate for side guide roller	4*3	0.250	0.240	0.012	27.11	0.235	1/209
	Bracket plate for side guide roller	8*3	0.240	0.164	0.012	27.11	0.308	2/209
	Spacer plate for side guide roller OD 85	8*3	3.140	.045*.045/ 4	0.002	27.11	0.003	7/209



	Keeper plate	8*3	0.090	0.035	0.008	27.11	0.017	8/209	
	Rib	24*3	0.080	0.060	0.008	27.11	0.075	10/209	
	Packing plate for side guide roller	4*3	0.250	0.240	0.004	27.11	0.079	11/209	
	Roller side plate dia 120	1*3	0.00036	3.140	0.008	7850.0	0.213	2/210	
	Lock plate	1*3	0.0012	3.140	0.012	7850.0	1.065	3/210	
	Lock plate	1*3	0.150	0.150	0.012	7850.0	6.359	4/210	
	Total Quantity						143293.394 kg		
	Total Deducted Quantity						-1282.899 kg		
	Net Total Quantity						142010.495 kg		
	Say 142010.495 kg @ Rs 64.18 / kg						<b>Rs 9114233.57</b>		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges								
	For Shutter Type -II- 12.350M (width) x 3.5 M (height)- 3nos								
	Top Horizontal girder ISMC 150x75	1*3	11.936			16.4	587.252	13/208	
	Vertical Bracing Angle Top-ISA 75x75x8	4*3	1.650			8.9	176.220	22/208	
	Bracing Angle bottom ISA 75x75x8	4*3	1.440			8.9	153.793	23/208	
	vertical seal clamp ISA 75x75x8	2*3	3.500			8.9	186.900	26/208	
	MS sections for Diamond Lock Shutter								
	horizontal girder ISMB 600x210	20*2	8.150			122.6	39967.600	103/8	
	Walkway base column -1 ISMC 200X75	48*2	1.850			22.1	3924.961	103/48	
	Walkway base column -2 ISMB 400X140	4*2	1.850			61.6	911.681	103/48a	
	Walkway base arm support ISA 75X75X8	28*2	0.900			8.9	448.560	103/48b	
	Walkway platform base ISMC 150X75	8*2	8.430			16.4	2212.032	103/49	

	Walkway platform base cross beam ISMC150X75	28*2	1.000			16.4	918.400	103/50
	T o e g u a r d I S A 6 5 x 6 5 x 6	8*2	8.430			5.8	782.304	103/51
	Hand rail vertical post base ISA75x75x6	56*2	0.150			6.8	114.240	103/53
	Hand rail vertical post ISA50X50X6	56*2	1.250			4.5	630.000	103/54
	For Shutter Type -I- 12.350M (width) x 3M (height)- 3nos							
	Top Horizontal girder ISMC 150x75	1*3	11.936			16.4	587.252	13/207
	Vertical Bracing Angle Top-ISA 75x75x8	4*3	1.650			8.9	176.220	22/207
	Bracing Angle bottom ISA 75x75x8	4*3	1.143			8.9	122.073	23/207
	vertical seal clamp ISA 75x75x8	2*3	3.000			8.9	160.201	26/207
	Total Quantity						52059.689 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						52059.689 kg	
	Say 52059.689 kg @ Rs 66.13 / kg						<b>Rs 3442707.23</b>	
3	85.103 Supply of MS chequered plates including cost of conveyance charges							
	CHEquered plate for Diamond gate walkway							
	Chequered Plate 8mm	4*2	8.430	0.870		73.35	4303.650	103/52
	Total Quantity						4303.650 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						4303.650 kg	
	Say 4303.650 kg @ Rs 73.33 / kg						<b>Rs 315586.65</b>	
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							
	Weight of materials for shutters Type -I & II- 6nos & Lock Shutters							
	MS Plates	143293.39 4					143293.39 4	

	MS sections	52059.689					52059.689	
	chequered plate	4303.650					4303.650	
	Total Quantity						199656.733 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						199656.733 kg	
	Say 199656.733 kg @ Rs 63.11 / kg						<b>Rs 12600336.42</b>	
5	<p>85.112  Painting all the exposed surfaces of the gate and embedded parts with two coats of epoxy coal tar black paint confirming to IS14948 with a minimum film thickness of 150+/-5 microns per each coat over two coats of priming coat applied with zinc primer containing not less than 85% of zinc dry film with a film thickness of 70+/-5 microns , so that the total film thickness of all coats including priming coat at any rate is not less than 350microns over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials , labour charges , cost of testing all painting materials, all incidental charges, hire of T&amp;P etc complete as per the direction of departmental officer at site</p>							
	Paint area of operating mechanism-For Diamond lock shutters							
	bearing cover plate	4*2	0.350	0.350		2.0	1.960	7/107
	bearing case	4*2	0.350	0.350		2.0	1.960	8/107
	bearing base plate	4*2	0.600	0.600		2.0	5.760	9/107
	bearing base stiffener plate	16*2	0.100	0.125		2.0	0.800	10/107
	rack base plate1	4*2	0.200	0.400		2.0	1.281	15/107
	rack base plate1	16*2	0.200	0.012		2.0	0.154	30/107
	motor base plate1	4*2	0.275	0.400		2.0	1.761	17/107
	motor base plate2	4*2	0.275	0.300		2.0	1.320	18/107
	motor base plate3	4*2	0.400	0.610		2.0	3.904	19/107
	motor base plate4	4*2	0.250	0.610		2.0	2.440	20/107
	motor base pad plate	4*2	0.275	0.300		2.0	1.320	21/107
	worm reducer base plate1	4*2	0.350	0.400		2.0	2.240	22/107
	worm reducer base plate2	4*2	0.350	0.870		2.0	4.872	23/107
	worm reducer base plate3	4*2	0.370	0.865		2.0	5.121	24/107
	worm reducer base plate4	4*2	0.260	0.310		2.0	1.290	25/107
	worm reducer base plate5	4*2	0.063	0.260		2.0	0.263	26/107

worm reducer base plate6	8*2	0.063	0.140		2.0	0.283	27/107
cross plate for anchoring rod	16*2	0.100	0.100		2.0	0.641	29/107
Paint area of Diamond Lock gate-Chequered Plate							
Chequered Plate	1*8	8.000	0.870		2.0	111.360	103/52
Paint area of Diamond Lock Shutter-Pintle Assembly							
pintle stiffener plate	12*2	0.140	0.140		2.0	0.941	104/12
pintle foundation plate 1	16*2	0.150	0.150		2.0	1.440	104/14
pintle foundation plate 2	32*2	0.200	0.200		2.0	5.121	104/10
pintle bearing cover plate	4*2	0.350	0.350		2.0	1.960	104/5
pivot base plate	4*2	0.300	0.080		2.0	0.384	105/2
pivot base plate stiffener	8*2	0.415	0.315		2.0	4.184	105/3
pivot foundation plate	4*2	0.150	0.180		2.0	0.432	105/4
pivot spacer	4*2	0.150	0.150		2.0	0.360	105/6
pivot pin head plate	4*2	0.150	0.150		2.0	0.360	105/8
pivot cover plate	4*2	0.300	0.300		2.0	1.440	105/9
Paint area of MS sections for - Diamond Lock Shutter							
horizontal girder ISMB 600x210	20*2	8.150			2.04	665.040	103/8
Walkway base column -1 ISMC 200X75	48*2	1.850			0.7	124.321	103/48
Walkway base column -2 ISMB 400X140	4*2	1.850			1.36	20.129	103/48a
Walkway base arm support ISA 75X75X8	28*2	0.900			0.3	15.120	103/48b
Walkway platform base ISMC 150X75	8*2	8.430			0.6	80.928	103/49
Walkway platform base cross beam ISMC150X75	28*2	1.000			0.6	33.600	103/50
Toe guard I S A 6 5 x 6 5 x 6	8*2	8.430			0.26	35.069	103/51

	Hand rail vertical post base ISA75x75x6	56*2	0.150			0.3	5.040	103/53
	Hand rail vertical post ISA50X50X6	56*2	1.250			0.2	28.000	103/54
Paint area of 8nos Diamond Lock shutters								
	skin plate	4*2	5.150	7.985		2.0	657.964	103/1
	plate on horizontal girder flange	20*2	0.190	8.300		2.0	126.161	103/1a
	end box plate	4*2	1.980	5.150		2.0	163.153	103/2
	pivot box stiffner plate 1	4*2	0.540	0.784		2.0	6.774	103/3
	pivot box stiffner plate 1a	8*2	0.288	0.784		2.0	7.226	103/3a
	pivot box stiffner plate 2	4*2	0.540	0.984		2.0	8.502	103/4
	pivot box stiffner plate 2a	4*2	0.288	0.984		2.0	4.535	103/4a
	pivot box stiffner plate 3	4*2	0.540	1.284		2.0	11.094	103/5
	pivot box stiffner plate 3a	8*2	0.288	1.284		2.0	11.834	103/5a
	pivot box stiffner plate 4	4*2	0.540	1.434		2.0	12.390	103/6
	pivot box stiffner plate 4a	8*2	0.288	1.434		2.0	13.216	103/6a
	pivot box stiffner plate 5	20*2	0.540	0.592		2.0	25.575	103/7
	Vertical wood seal support web	4*2	5.150	0.576		2.0	47.463	103/9
	Vertical wood seal support flange1	4*2	5.150	0.170		2.0	14.009	103/10
	Vertical wood seal support flange2	4*2	5.150	0.475		2.0	39.140	103/11
	full depth vertical stiffener web 1	16*2	0.590	0.244		2.0	9.214	103/12
	full depth vertical stiffener web 2	16*2	0.590	1.438		2.0	54.299	103/13

	full depth vertical stiffener web 3	16*2	0.590	1.288		2.0	48.635	103/14
	full depth vertical stiffener web 4	16*2	0.590	0.988		2.0	37.307	103/15
	full depth vertical stiffener web 5	16*2	0.590	0.788		2.0	29.755	103/16
	full depth vertical stiffener web 6	16*2	0.590	0.344		2.0	12.990	103/17
	full depth vertical stiffener web 7	4*2	0.592	0.244		2.0	2.312	103/18
	full depth vertical stiffener pivot box 1	4*2	0.592	1.438		2.0	13.621	103/19
	full depth vertical stiffener pivot box 2	4*2	0.592	1.288		2.0	12.200	103/20
	full depth vertical stiffener pivot box 3	4*2	0.592	0.988		2.0	9.359	103/21
	full depth vertical stiffener pivot box 4	4*2	0.592	0.788		2.0	7.464	103/22
	full depth vertical stiffener pivot box 5	4*2	0.592	0.344		2.0	3.259	103/23
	full depth vertical stiffener flange1	16*2	0.210	1.240		2.0	16.666	103/30
	full depth vertical stiffener flange2	16*2	0.210	1.090		2.0	14.650	103/31
	full depth vertical stiffener flange3	16*2	0.210	0.790		2.0	10.618	103/32
	full depth vertical stiffener flange4	16*2	0.210	0.590		2.0	7.930	103/33
	vertical stiffener 1	60*2	0.200	0.244		2.0	11.713	103/24
	vertical stiffener 2	60*2	0.200	1.438		2.0	69.024	103/25
	vertical stiffener 3	60*2	0.200	1.288		2.0	61.824	103/26
	vertical stiffener 4	60*2	0.200	0.988		2.0	47.424	103/27
	vertical stiffener 5	60*2	0.200	0.788		2.0	37.825	103/28
	vertical stiffener 6	60*2	0.200	0.344		2.0	16.512	103/29
	vertical seal base	4*2	4.978	0.060		2.0	4.779	103/40
	Vertical seal clamp	4*2	5.105	0.060		2.0	4.901	103/41
	bottom seal base	4*2	8.313	0.060		2.0	7.981	103/42

	Bottom seal clamp	4*2	8.440	0.060		2.0	8.103	103/43
	stiffener plate for pintle and pivot	20*2	0.541	0.592		2.0	25.622	103/45
	hand rail flat	8*2	7.190	0.050		2.0	11.505	103/55
	Guide mounting plate 1	4*2	0.322	0.032		2.0	0.165	103/58
	Guide mounting plate 2	8*2	0.080	0.200		2.0	0.512	103/59
	Guard for roller	8*2	0.500	0.560		2.0	8.960	103/60
	Roller bracket	8*2	0.185	0.150		2.0	0.888	106/6
	Roller mounting plate	8*2	0.350	0.360		2.0	4.032	106/7
	Roller pin lock plate	8*2	0.040	0.090		2.0	0.116	106/12
	Roller mounting support plate	4*2	0.350	0.360		2.0	2.016	106/14
	spring socket plate OD 135 ID 17.5 15tk	16*2	0.135	0.135		2.0	1.167	106/8
Paint area of Shutter Type -II- 12.350M (width) x 3.5 M (height)- 3nos								
	Top Horizontal girder ISMC 150x75	1*3	11.936			0.6	21.485	13/208
	Vertical Bracing Angle Top-ISA 75x75x8	4*3	1.650			0.3	5.940	22/208
	Bracing Angle bottom ISA 75x75x8	4*3	1.440			0.3	5.184	23/208
	vertical seal clamp ISA 75x75x8	2*3	3.500			0.3	6.300	26/208
Paint area of Shutter Type -I- 12.350M (width) x 3M (height)- 3nos								
	Top Horizontal girder ISMC 150x75	1*3	11.936			0.6	21.485	13/207
	Vertical Bracing Angle Top-ISA 75x75x8	4*3	1.650			0.3	5.940	22/207
	Bracing Angle bottom ISA 75x75x8	4*3	1.143			0.3	4.115	23/207
	vertical seal clamp ISA 75x75x8	2*3	3.000			0.3	5.400	26/207
For Shutter Type -I- 12.350M (width) x 3M (height)- 3nos								
	Skin plate	1*3	12.350	3.000		2.0	222.300	1/207
	End box side plate	4*3	3.000	0.490		2.0	35.280	2/207

	Roller pin lock plate	4*3	0.200	0.200		2.0	0.961	3/207
	Roller pin lock plate	4*3	0.200	0.200		2.0	0.961	4/207
	Lock plate for roller dia 150	4*3	3.140	.15*.15/4		2.0	0.424	5/207
	Stiffener plate - end box	14*3	0.490	0.170		2.0	6.998	6/207
	Horizontal girder web	2*3	11.936	1.050		2.0	150.394	8/207
	Horizontal girder flange -1	2*3	8.660	0.180		2.0	18.706	9/207
	Horizontal girder flange -2	2*3	12.196	0.200		2.0	29.271	10/207
	Horizontal girder flange -3	2*3	11.932	0.200		2.0	28.637	10a/207
	Horizontal girder Stiffner- bottom	12*3	0.912	0.090		2.0	5.910	11/207
	Horizontal girder stiffener- bottom	12*3	0.912	0.175		2.0	11.492	12/207
	Full depth Vertical Stiffener web -top	3*3	1.230	1.062		2.0	23.513	14/207
	Full depth Vertical Stiffener web - middle	5*3	1.230	1.062		2.0	39.188	15/207
	Full depth Vertical Stiffener web -bottom	5*3	0.495	1.062		2.0	15.771	16/207
	Full depth Vertical Stiffener flange -top	3*3	1.617	0.150		2.0	4.366	17/207
	Full depth Vertical Stiffener flange middle	5*3	0.930	0.150		2.0	4.186	18/207
	Vertical Stiffener -top	22*3	0.940	0.150		2.0	18.612	19/207
	Vertical Stiffener middle	22*3	1.230	0.150		2.0	24.354	20/207
	V e r t i c a l Stiffenerbottom	22*3	0.495	0.150		2.0	9.801	21/207
	Vertical Seal base	2*3	3.000	0.105		2.0	3.781	25/207
	Bottom Seal baseend	2*3	0.100	0.090		2.0	0.108	29/207
	Bottom Seal clamp	1*3	12.350	0.080		2.0	5.928	30/207
	Bottom Seal stopper	1*3	12.350	0.020		2.0	1.482	31/207
	Vertical Seal clamp	2*3	3.000	0.040		2.0	1.440	34/207



	Lifting bracket plate	4*3	1.030	0.590		2.0	14.585	1/211
	Lifting bracket stiffener plate-1	4*3	0.300	0.120		2.0	0.864	2/211
	Lifting bracket stiffener plate-2	6*3	0.100	0.080		2.0	0.289	3/211
	Lifting bracket stiffener plate-3	2*3	0.140	0.100		2.0	0.169	4/211
	Lifting bracketstiffener plate-4	4*3	0.100	0.100		2.0	0.241	5/211
	Guard plate	4*3	0.565	0.100		2.0	1.356	6/211
	Lifting cover plate	12*3	0.180	0.180		2.0	2.333	7/211
	Shaft lock plate	24*3	0.130	0.050		2.0	0.936	8/211
	Pulley spacer plate OD 150	8*3	3.140	.075*.075/ 4		2.0	0.212	14/211
	Shaft cover plate	4*3	0.100	0.080		2.0	0.192	15/211
	Lifting leg plate- skin plate side	4*3	1.370	0.250		2.0	8.220	16/211
	Stiffener plate for lifting leg	2*3	1.005	0.128		2.0	1.544	17/211
	Bottom plate for lifting leg	2*3	0.950	0.400		2.0	4.561	18/211
	Stiffener plate	2*3	1.050	0.670		2.0	8.443	19/211
	plate	2*3	1.412	0.210		2.0	3.559	20/211
	Base plate for side guide roller	4*3	0.250	0.240		2.0	1.440	1/209
	Bracket plate for side guide roller	8*3	0.240	0.164		2.0	1.890	2/209
	Spacer plate for side guide roller OD 85	8*3	3.140	.045*.045/ 4		2.0	0.077	7/209
	Keeper plate	8*3	0.090	0.035		2.0	0.152	8/209
	Rib	24*3	0.080	0.060		2.0	0.692	10/209
	Packing plate for side guide roller	4*3	0.250	0.240		2.0	1.440	11/209
	Roller side plate dia 120	1*3	0.00036	3.140		2.0	0.007	2/210
	Lock plate	1*3	0.0012	3.140		2.0	0.023	3/210
	lock Plate	1*3	0.150	0.150		2.0	0.135	4/210

For Shutter Type -II- 12.350M (width) x 3.5M (height)- 3nos								
Skin plate	1*3	12.350	3.500		2.0	259.351	1/208	
End box side plate	4*3	3.500	0.490		2.0	41.160	2/208	
Roller pin lock plate	4*3	0.200	0.200		2.0	0.961	3/208	
Roller pin lock plate	4*3	0.200	0.200		2.0	0.961	4/208	
Roller pin lock plate	4*3	3.140	.15*.15/4		2.0	0.424	5/208	
Stiffener plate - end box	14*3	0.490	0.170		2.0	6.998	6/208	
Horizontal girder web	2*3	11.936	1.050		2.0	150.394	8/208	
Horizontal girder flange -1	2*3	8.660	0.180		2.0	18.706	9/208	
Horizontal girder flange -2	2*3	12.196	0.200		2.0	29.271	10/208	
Horizontal girder flange -3	2*3	11.936	0.200		2.0	28.647	10a/208	
Horizontal girder Stiffner- bottom	12*3	0.912	0.090		2.0	5.910	11/208	
Horizontal girder stiffener- bottom	12*3	0.912	0.175		2.0	11.492	12/208	
Full depth Vertical Stiffener web -top	3*3	1.530	1.062		2.0	29.248	14/208	
Full depth Vertical Stiffener web - middle	5*3	1.230	1.062		2.0	39.188	15/208	
Full depth Vertical Stiffener web -bottom	5*3	0.495	1.062		2.0	15.771	16/208	
Full depth Vertical Stiffener flange -top	3*3	1.830	0.150		2.0	4.942	17/208	
Full depth Vertical Stiffener flange middle	5*3	1.118	0.150		2.0	5.032	18/208	
Vertical Stiffener -top	22*3	1.530	0.150		2.0	30.294	19/208	
Vertical Stiffener middle	22*3	1.430	0.150		2.0	28.314	20/208	
Vertical Stiffener bottom	22*3	0.495	0.150		2.0	9.801	21/208	
Vertical Seal base	2*3	3.500	0.105		2.0	4.410	25/208	
Bottom Seal base end	2*3	0.100	0.090		2.0	0.108	29/208	
Bottom Seal clamp	1*3	12.350	0.080		2.0	5.928	30/208	

	Bottom Seal stopper	1*3	12.350	0.020		2.0	1.482	31/208
	Vertical Seal clamp	2*3	3.500	0.040		2.0	1.681	34/208
	Lifting bracket plate	4*3	1.030	0.590		2.0	14.585	1/223
	Lifting bracket stiffener plate-1	4*3	0.300	0.120		2.0	0.864	2/223
	Lifting bracket stiffener plate-2	6*3	0.100	0.080		2.0	0.289	3/223
	Lifting bracket stiffener plate-3	2*3	0.140	0.100		2.0	0.169	4/223
	Lifting bracketstiffener plate-4	4*3	0.100	0.100		2.0	0.241	5/223
	Guard plate	4*3	0.565	0.100		2.0	1.356	6/223
	Lifting cover plate	12*3	0.180	0.180		2.0	2.333	7/223
	Shaft lock plate	24*3	0.130	0.050		2.0	0.936	8/223
	Pulley spacer plate OD 150	8*3	3.140	.075*.075/ 4		2.0	0.212	14/223
	Shaft cover plate	4*3	0.100	0.080		2.0	0.192	15/223
	Lifting leg plate- skin plate side	4*3	1.670	0.250		2.0	10.020	16/223
	Stiffener plate for lifting leg	2*3	1.305	0.128		2.0	2.005	17/223
	Bottom plate for lifting leg	2*3	0.950	0.400		2.0	4.561	18/223
	Stiffener plate-1	2*3	1.305	0.670		2.0	10.493	19/223
	plate	2*3	1.530	0.210		2.0	3.856	20/223
	Base plate for side guide roller	4*3	0.250	0.240		2.0	1.440	1/209
	Bracket plate for side guide roller	8*3	0.240	0.164		2.0	1.890	2/209
	Spacer plate for side guide roller OD 85	8*3	3.140	.045*.045/ 4		2.0	0.077	7/209
	Keeper plate	8*3	0.090	0.035		2.0	0.152	8/209
	Rib	24*3	0.080	0.060		2.0	0.692	10/209
	Packing plate for side guide roller	4*3	0.250	0.240		2.0	1.440	11/209
	Roller side plate dia 120	1*3	0.00036	3.140		2.0	0.007	2/210

	Lock plate	1*3	0.0012	3.140		2.0	0.023	3/210	
	Lock plate	1*3	0.150	0.150		2.0	0.135	4/210	
	For Shutter Type -I- 12.350M (width) x 3M (height)- 3nos								
	Horizontal Girder Web	4*6	1.726	0.723		2.0	-59.899	DEduction from 14/303	
	Pain area of Lock Shutter-Rack support								
	rack support I S A 7 5 X 7 5 X 8	8*8	1.365			0.3	26.208		
	32mm dia GI pipe- Diamond lock								
	GI Pipe 32mm dia hand rail	2*8	10.290			0.13	21.898	103/56	
	Total Quantity						4566.604 sqm		
	Total Deducted Quantity						-59.899 sqm		
	Net Total Quantity						4506.705 sqm		
	Say 4506.705 sqm @ Rs 810.94 / sqm						<b>Rs 3654667.35</b>		
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								
	Weight of materials for shutters Type -I & II- 6nos & Lock Shutters								
	MS Plates	141959.62 7					141959.62 7		
	MS sections	52059.689					52059.689		
	chequered plate	4303.650					4303.650		
	For handrails- 8 nos Diamond Lock gates								
	GI Pipe 32mm dia hand rail	8*2	10.290			2.63	433.004	103/56	
	Total Quantity						198755.970 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						198755.970 kg		
	Say 198755.970 kg @ Rs 6.10 / kg						<b>Rs 1212411.42</b>		
7	od107411/2020_2021 Supply and fixing of SS Bolts								
	For Shutter Type -I & II- 6 nos								

	M16X50LG HEX BOLT WITH WASHER	28*6					0.14	23.856	9/107,108	
	M16X40LG HEX BOLT WITH WASHER	16*6					0.13	12.864	10/107,108	
	M16X 90LG HEX BOLT WITH WASHER	156*6					0.24	219.960	35/109	
	M16X40LG HEX BOLT WITH WASHER	16*6					0.13	12.864	39/109	
	M12X30LG HEX BOLT WITH WASHER	16*6					0.13	12.864	7/107,108	
	Total Quantity							282.408 kg		
	Total Deducted Quantity							0.000 kg		
	Net Total Quantity							282.408 kg		
	Say 282.408 kg @ Rs 184.04 / kg							<b>Rs 51974.37</b>		
Sl No	Description	No	L	B	D	CF	Quantity	Remark		
<b>8 Appendix F-3 Supplying and fixing of flat type rubber seal at the bottom side , angular type at outer vertical side .</b>										
1	85.116 Supplying and fixing in correct position with specified initial interface the flat type rubber seal confirming to IS 11855 to the gates including cost of SS bolts and nut all labour and machinery and incidental and conveyance charges complete as per approved specification and drawing									
	For Shutter Type -I & II - 6 nos									
	Flat Type Bottom seal 90x14	1*6	12.350				74.100	28/107		
	Total Quantity							74.100 metre		
	Total Deducted Quantity							0.000 metre		
	Net Total Quantity							74.100 metre		
	Say 74.100 metre @ Rs 1910.98 / metre							<b>Rs 141603.62</b>		
2	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									
	For Shutter Type -I- 12.350M (width) x 3M (height)- 3nos									

	P- type teflon cladded rubber seal Dia 30x90 width	2*3	3.000					18.000	33/207
	'Z' type teflon cladded rubber seal Dia 30x120 width	2*3	3.000					18.000	24/207
For Shutter Type -II- 12.350M (width) x 3.5M (height)- 3nos									
	P- type teflon cladded rubber seal Dia 30x90 width	2*3	3.500					21.000	33/208
	'Z' type teflon cladded rubber seal Dia 30x120 width	2*3	3.500					21.000	24/208
Total Quantity								78.000 metre	
Total Deducted Quantity								0.000 metre	
Net Total Quantity								78.000 metre	
Say 78.000 metre @ Rs 2977.08 / metre								<b>Rs 232212.24</b>	
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
<b>9 Appendix F-4 Supplying and fixing roller assembly For Regulator shutters and Diamond lock shutters</b>									
1	od109717/2020_2021 Supplying and fixing Cantilever type cast steel thrust roller assembly having 400mm Dia, 100mm tread width, SS(304) shaft and self lubricating 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								
For Shutter Type -I & II- 6nos									
	Roller assembly 4 nos/shutter	4*6						24.000	
Total Quantity								24.000 no	
Total Deducted Quantity								0.000 no	
Net Total Quantity								24.000 no	
Say 24.000 no @ Rs 35987.16 / no								<b>Rs 863691.84</b>	
2	od109794/2020_2021 Supplying and fixing side guide roller assembly having 130mm Dia, 90mm tread width, pin and Al Bronze bush and accessories as per approved specifications and drawings including cost of all materials, machineries, labour , all lift and lead, incidental and conveyance charges etc complete								
For Shutter Type -I & II- 6nos									
	4 nos/ shutter	4*6						24.000	
Total Quantity								24.000 set	

							Total Deducted Quantity	0.000 set	
							Net Total Quantity	24.000 set	
							Say 24.000 set @ Rs 5412.17 / set	<b>Rs 129892.08</b>	
3	od109810/2020_2021 Supplying and fixing spring loaded guide roller assembly having 200mm Dia, 70mm tread width, pin and Bronze bush and accessories as per approved specifications and drawings including cost of all materials, machineries, labour , all lift and lead, incidental and conveyance charges etc complete								
For 8 nos Diamond lock shutters									
	spring loaded guide roller assembly	1*8					8.000		
							Total Quantity	8.000 set	
							Total Deducted Quantity	0.000 set	
							Net Total Quantity	8.000 set	
							Say 8.000 set @ Rs 18184.67 / set	<b>Rs 145477.36</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>10 Appendix F 5- Supply of materials, fabrication, painting and erection of hoisting bridge, covers and frames of driving units &amp; rope drum for shutter &amp; Pintle Assly of Daimond Lock shutter</b>									
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges								
Other Engineering Organisations For Diamond lock shutters									
	bearing cover plate	4*2	0.350	0.350	0.020	7850.0	153.860	7/107	
	bearing case	4*2	0.350	0.350	0.105	7850.0	807.765	8/107	
	bearing base plate	4*2	0.600	0.600	0.020	7850.0	452.160	9/107	
	bearing base stiffener plate	16*2	0.100	0.125	0.016	7850.0	50.240	10/107	
	rack base plate1	4*2	0.200	0.400	0.020	7850.0	100.481	15/107	
	rack base plate1	16*2	0.200	0.0120	0.200	7850.0	120.577	30/107	
	motor base plate1	4*2	0.275	0.400	0.012	7850.0	82.897	17/107	
	motor base plate2	4*2	0.275	0.300	0.012	7850.0	62.172	18/107	
	motor base plate3	4*2	0.400	0.610	0.012	7850.0	183.879	19/107	
	motor base plate4	4*2	0.250	0.610	0.012	7850.0	114.924	20/107	
	motor base pad plate	4*2	0.2750	0.300	0.001	7850.0	5.181	21/107	
	worm reducer base plate1	4*2	0.350	0.400	0.016	7850.0	140.672	22/107	
	worm reducer base plate2	4*2	0.350	0.870	0.016	7850.0	305.962	23/107	

worm reducer base plate3	4*2	0.370	0.865	0.012	7850.0	241.190	24/107	
worm reducer base plate4	4*2	0.260	0.310	0.012	7850.0	60.741	25/107	
worm reducer base plate5	4*2	0.063	0.260	0.012	7850.0	12.344	26/107	
worm reducer base plate6	8*2	0.063	0.140	0.012	7850.0	13.294	27/107	
cross plate for anchoring rod	16*2	0.100	0.100	0.012	7850.0	30.145	29/107	
For Shutter Type -I & II - 6nos								
Base plate for plummer block	8*6	0.300	0.150	0.010	7850.0	169.560	1/212	
Stiffener plate for plummer block	4*6	0.330	0.300	0.010	7850.0	186.516	2/212	
Plate	4*6	0.330	0.130	0.010	7850.0	80.824	3/212	
Longitudinal Girder Web	2*6	13.990	1.200	0.010	7850.0	15814.296	1/213	
Longitudinal Girder Flange	4*6	13.990	0.150	0.016	7850.0	6325.719	2/213	
Bottom Plate	4*6	0.290	0.340	0.020	7850.0	371.525	3/213	
Foundation plate	4*6	0.590	0.340	0.010	7850.0	377.931	3a/213	
End stiffener Plate	8*6	1.216	0.160	0.010	7850.0	733.103	4/213	
Lock plate dia 100 - Foundation bolt	16*6	3.140	.1*.1/4	0.010	7850.0	59.158	6/213	
Bracket plate main girder-inside	8*6	0.908	0.070	0.010	7850.0	239.495	13/213	
Bracket plate main girder-inside	4*6	1.008	0.070	0.010	7850.0	132.936	14/213	
Bracket plate main girder-inside	22*6	1.058	0.070	0.010	7850.0	767.410	15/213	
Bracket plate main girder-outer	32*6	1.200	0.070	0.010	7850.0	1266.048	16/213	
Bracket plate main girder-bottom	14*6	0.250	0.135	0.010	7850.0	222.548	24/213	
Flat	2*6	13.990	0.050	0.008	7850.0	527.144	27/213	



Pulley bracket plate for hoist	4*6	1.192	0.525	0.016	7850.0	1886.412	32/213
Hor.girders joining plate at end	4*6	0.150	0.150	0.010	7850.0	42.390	38/213
Drum base plate-1	2*6	1.500	0.060	0.010	7850.0	84.780	7/214
Drum base plate -2	2*6	0.600	0.060	0.010	7850.0	33.912	8/214
Stiffener plate	8*6	0.276	0.140	0.010	7850.0	145.596	9/214
Bracket for drum support	2*6	0.273	0.080	0.010	7850.0	20.574	10/214
Stiffener Plate for drum leg-1	8*6	0.120	0.090	0.010	7850.0	40.695	11/214
Stiffener plate for drum leg-2	4*6	0.090	0.060	0.010	7850.0	10.174	12/214
Drum leg	4*6	0.525	0.350	0.020	7850.0	692.370	13/214
Drum shaft lock plate	4*6	0.280	0.010	0.020	7850.0	10.551	14/214
Spacer for drum shaft dia 160	4*6	3.140	.16*.16/4	0.008	7850.0	30.289	15/214
base plate for plummer block	8*6	0.320	0.100	0.050	7850.0	602.881	16/214
Lock plate for drum rope	4*6	0.100	0.060	0.020	7850.0	22.608	4/215
plate on Drum gear	12*6	0.070	0.025	0.015	7850.0	14.837	4/216
Plate	2*6	0.073	0.035	0.005	7850.0	1.204	4a/220
Drum unit cover sheet- top	2*6	2.200	0.530	0.00315	7850.0	345.988	6/220
cover sheet- side	4*6	1.415	0.575	0.00315	7850.0	482.854	7/220
Flat- side	2*6	1.073	0.050	0.005	7850.0	25.270	8/220
Flat	4*6	1.134	0.050	0.005	7850.0	53.412	9/220
cover sheet - side window	2*6	0.310	0.210	0.00315	7850.0	19.318	11/220
Base plate for Gear box	1*6	0.380	0.360	0.010	7850.0	64.433	17/218
Stiffener plate	4*6	0.090	0.090	0.010	7850.0	15.261	18/218
Base plate- inside	2*6	0.147	0.130	0.010	7850.0	18.002	20/218
Stiffener inside	1*6	0.360	0.140	0.010	7850.0	23.739	21/218
Base plate- coupling	4*6	0.065	0.065	0.010	7850.0	7.960	23/218

	stiffener plate	1*6	0.240	0.190	0.010	7850.0	21.478	24/218	
	Stiffener plate- motor	2*6	0.065	0.065	0.010	7850.0	3.980	25/218	
	Base plate motor inside	1*6	0.075	0.050	0.010	7850.0	1.767	27/218	
	sheet Gear box coverside	2*6	1.472	0.970	0.00315	7850.0	423.683	8/219	
	sheet Gear box cover-side	1*6	0.970	0.820	0.00315	7850.0	118.010	9/219	
	Sheet - side	1*6	0.820	0.670	0.00315	7850.0	81.512	10/219	
	Plate - side window	1*6	0.150	0.150	0.005	7850.0	5.299	11/219	
	cove Sheet -top	1*6	1.588	0.820	0.00315	7850.0	193.195	12/219	
	Plate side window	2*6	1.011	0.050	0.005	7850.0	23.810	15/219	
	Dial Guage- Base Plate	1*6	0.470	0.300	0.008	7850.0	53.129	2/221	
	bracket Plate	2*6	0.185	0.150	0.010	7850.0	26.141	4/221	
	Bracket plate for plummer	1*6	0.170	0.150	0.010	7850.0	12.011	4a/221	
	Base plate for plummer	1*6	0.165	0.060	0.002	7850.0	0.933	5/221	
	bracket plate	1*6	0.280	0.090	0.010	7850.0	11.870	6/221	
	Bracket Plate	2*6	0.100	0.090	0.010	7850.0	8.478	7/221	
	Needle	1*6	0.170	0.040	0.00315	7850.0	1.009	10/221	
	Plate	2*6	0.276	0.230	0.010	7850.0	59.799	21/221	
	Dogging beam foundation plate	4*6	0.400	0.400	0.012	7850.0	361.729	1/222	
	Plate- Longitudinal	4*6	1.450	0.120	0.016	7850.0	524.506	3/222	
	Plate- Horizontal	4*6	1.450	0.200	0.016	7850.0	874.176	4/222	
	Plate- end	4*6	0.220	0.100	0.016	7850.0	66.317	5/222	
	Stiffener plate	12*6	0.200	0.088	0.012	7850.0	119.371	6/222	
	Hoisting girder splice Plate (web)	4*6	1.140	0.800	0.008	7850.0	1374.567	Addl. qty not shown in drwg	
	Hoisting girder splice Plate (flange)	2*6	0.400	0.130	0.014	7850.0	68.578		
	Total Quantity						39343.555 kg		
	Total Deducted Quantity						0.000 kg		

	Net Total Quantity						39343.555 kg	
	Say 39343.555 kg @ Rs 64.18 / kg						<b>Rs 2525069.36</b>	
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges							
	For Shutter Type -I& II- 6nos							
	Cross Member- (ISMC 300 X 90) - Drum support	4*6	2.090			35.8	1795.728	7/213
	Cross Member- (ISMC 200X75) - Drum support	2*6	2.090			22.1	554.268	8/213
	Cross Member support for drum (ISMC 150X75)	4*6	0.770			16.4	303.072	9/213
	Cross Member-for gear (ISMB 150X75)	2*6	0.980			16.4	192.864	10/213
	Cross Member- end (ISMC 150X75)	10*6	2.090			16.4	2056.560	11/213
	Cross Member-for pulley (ISMC 150X75)	4*6	0.980			16.4	385.728	12/213
	Cleat- Handrail (75X75X8)	34*6	0.100			8.9	181.561	17/213
	Support for walk way (ISMC 150X75)	14*6	0.595			16.4	819.672	23/213
	Cleat handrail post (75x75x8)	14*6	0.150			8.9	112.140	24a/213
	Walk way support ISA 65x65x6	2*6	13.990			5.8	973.704	25/213
	Hand rail post ISA 65x65x6	28*6	1.250			5.8	1218.000	26/213
	Support for walkway 75x75x8	14*6	0.720			8.9	538.272	30/213
	Drum unit Assby base fram ISMC 300x90-1	2*6	0.240			35.8	103.104	1/214
	ISMC 300x90-2	2*6	1.500			35.8	644.400	2/214
	Base frame- cross - ISMC 300x90-3	2*6	0.770			35.8	330.792	3/214

	ISMC 300x90-4	2*6	0.900			35.8	386.640	4/214
	ISMC 300x90	2*6	0.440			35.8	189.024	5/214
	ISMC 300x90	2*6	0.690			35.8	296.424	6/214
	Side angle- Drum cover ISA 35X35x5	4*6	2.145			2.6	133.848	1/220
	ISA 35X35x5	4*6	0.540			2.6	33.697	2/220
	ISA 35X35x5	2*6	0.828			2.6	25.834	3/220
	ISA 35X35x5	4*6	0.132			2.6	8.237	4/220
	ISA 35X35x5	2*6	0.175			2.6	5.460	5/220
	ISA 35X35x5	6*6	0.470			2.6	43.992	5a/220
	Gear box assbly base frame ISMC 150x75	2*6	1.570			16.4	308.976	11/218
	base frame ISMC 150x75	2*6	0.700			16.4	137.760	12/218
	base frame ISMC 150x75	1*6	0.700			16.4	68.880	13/218
	base frame ISA 75x75x8	4*6	0.790			8.9	168.745	14/218
	base frame ISA 75x75x8	2*6	0.400			8.9	42.721	15/218
	base frame ISA 75x75x8	2*6	0.500			8.9	53.401	16/218
	bracket - ISA 100 x 100 x 8	2*6	0.700			12.1	101.640	19/218
	Coupling base- ISA 75x75x8	2*6	0.700			8.9	74.760	22/218
	Gear box base- ISA 75x75x8	2*6	0.700			8.9	74.760	26/218
	Gear box base support- ISMC 150x75	1*6	0.250			16.4	24.600	28/218
	Gear box Cover- ISA 35x35x5	4*6	0.840			2.6	52.417	1/219
	Gear box Cover- ISA 35x35x5	4*6	1.040			2.6	64.896	2/219
	Gear box Cover- ISA 35x35x5	2*6	0.180			2.6	5.617	3/219

	Gear box Cover- ISA 35x35x5	2*6	994.000			2.6	31012.800	4/219
	Gear box Cover- ISA 35x35x5	2*6	2.175			2.6	67.860	5/219
	Gear box Cover- ISA 35x35x5	2*6	0.840			2.6	26.209	6/219
	Gear box Cover 35 x 35 x 5	3*6	0.770			2.6	36.036	7/219
	Dial guage assbly ISMC 100x50	2*6	0.925			9.2	102.120	3/221
	plumer base ISA 50x50x6	2*6	0.050			4.5	2.700	9/221
	Dogging beam ISA 75x75x8	8*6	0.232			8.9	99.111	9/222
	ISMC 100X50 to connect two girders	2*6	1.990			9.2	219.696	addl.qty not shown in drwg
	ISMC 150x75-for ladder -side	2*1	5.500			16.4	180.400	addl.qty not shown in drwg
	ISMC 150x75-for ladder -	2*1	3.000			16.4	98.400	addl.qty not shown in drwg
	Hand rail post ISA 50x50x6	12*1	1.200			4.5	64.800	addl.qty not shown in drwg
	Brazing ISA 65x65x6	2*1	5.500			5.8	63.800	addl.qty not shown in drwg
	Step ISA50X50X6	22*1	0.800			4.5	79.200	addl.qty not shown in drwg
	For 8 nos Diamond lock shutters							
	rack support ISA 75 X 75 X 8	16*2	1.365			8.9	388.752	
	Total Quantity						44954.078 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						44954.078 kg	
	Say 44954.078 kg @ Rs 66.13 / kg						<b>Rs 2972813.18</b>	

3	85.103 Supply of MS chequered plates including cost of conveyance charges							
	For Shutter Type -I & II --6nos							
	MS chequered plate - hoist platform	2*6	2.750	2.200		49.2	3571.921	18/213
	MS chequered plate - hoist platform	4*6	1.150	0.990		49.2	1344.341	19/213
	MS chequered plate - hoist platform	2*6	0.990	0.495		49.2	289.326	20/213
	MS chequered plate - hoist platform	2*6	0.835	0.390		49.2	192.264	21/213
	MS chequered plate - hoist platform	2*6	1.800	2.100		49.2	2231.712	22/213
	MS chequered plate - hoist platform	1*6	13.990	0.485		49.2	2002.977	29/213
	MS chequered plate - ladder step	1*22	0.800	0.150		49.2	129.888	Addl qty not shown in drawing
	Total Quantity						9762.429 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						9762.429 kg	
	Say 9762.429 kg @ Rs 73.33 / kg						<b>Rs 715878.92</b>	
4	od111372/2020_2021 Supply of GI pipe 32mm dia							
	Hand rails For Shutter Type -I & II- 6nos							
	Hand rails of Hoist bridge	2*6	13.990				167.880	28/113
	Handrails for ladder	2*2	8.500				34.000	
	For handrails- 8 nos Diamond Lock gates							
	GI Pipe 32mm dia hand rail	8*2	10.290				164.640	103/56
	Total Quantity						366.520 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						366.520 metre	
	Say 366.520 metre @ Rs 222.38 / metre						<b>Rs 81506.72</b>	
5	od106035/2020_2021 Supply and fixing of MS Bolts and Nuts							

MS Bolts & Nuts For Shutter Type -I & II- 6nos								
M16X40 Hex.screw with washer	48*6					0.13	38.592	9/211
M16 x80 long Hex.l bolt with washer	8*6					0.19	8.880	4/212
M16 x 50 Hex Bolt,nut & washer	84*6					0.14	71.568	31/213
M16 x 36 Hex screw & washer	32*6					0.13	25.728	35/213
M16 x 60 Hex Bolt,nut & washer	8*6					0.22	10.416	39/215
M 16 x 120 Hex Bolt,nut & washer	8*6					0.29	13.680	18/214
M 16 x 40 Hex Bolt,nut & washer	16*2*6					0.13	25.728	19/214
M 6 x 20 long Grub screw	6*2*6					0.1	6.840	3/215
M16X55 Hex screw	4*2*6					0.15	7.200	5/215
M16X70 fit Bolt and nuts& washer	6*2*6					0.19	13.320	7/215
M 6 x 20 long Grub screw	16*6					0.1	9.121	10/215
M 6 x 25 long Grub screw	8*2*6					0.1	9.601	3/216
M10x 60 Hex Bolt,nut & washer	8*6					0.21	10.080	32/218
M 20 x 100 Hex Bolt,nut & washer	4*6					0.2	4.801	33/218
M12 x 65 Hex Bolt,nut & washer	6*6					0.15	5.400	37/218
M20 x 100 Hex Bolt,nut & washer	12*6					0.07	4.753	38/218
M12 x 60 Hex Bolt,nut & washer	16*6					0.15	14.400	13/219
M8 x Hex Bolt,nut & washer	8*2*6					0.13	12.864	12/220
M 12 x 40 L Hex Bolt,nut & washer	17*2*6					0.13	27.337	13/220

	M10 x 60L Hex Bolt,nut & washer	2*6				0.13	1.608	13/221	
	M10 x 50L Hex Bolt,nut & washer	4*6				0.13	3.216	14/221	
	M10 x 20L Hex screw	2*6				0.13	1.608	15/221	
	Total Quantity						326.741 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						326.741 kg		
	Say 326.741 kg @ Rs 78.22 / kg						<b>Rs 25557.68</b>		
6	85.107 Supply of MS round bar including cost of conveyance charges								
	For Shutter Type -I & II - 6nos								
	MS rod for foundation bolt 25mm dia	16*6	0.750	.025*.025/ 4	3.140	7850.0	277.302	5/213	
	MS rod handle 12mm dia- fear box cover	2*6	0.300	.006*.006	3.140	7850.0	3.195	14/219	
	MS rod handle 16mm dia-for drum cover	4*6	0.530	.008*.008	3.140	7850.0	20.067	10/220	
	MS rod handle 16mm dia-drum cover-2	2*6	0.280	.008*.008	3.140	7850.0	5.301	10a/220	
	MS rod 16 mm diadrum cover- 3	1*6	0.400	.008*.008	3.140	7850.0	3.787	10b/220	
	MS rod 20mm dia	1*6	0.220	.01*.01	3.140	7850.0	3.254	8/221	
	MS rod 40mm dia	1*6	0.040	.02*.02	3.140	7850.0	2.367	10a/221	
	MS rod handle 16mm dia- dogging beam	16*6	0.372	.008*.008	3.140	7850.0	56.337	2/222	
	MS rod handle 16mm dia-for dogging beam	4*6	0.305	.008*.008	3.140	7850.0	11.548	7/222	
	Total Quantity						383.158 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						383.158 kg		
	Say 383.158 kg @ Rs 64.18 / kg						<b>Rs 24591.08</b>		
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								



Fabrication weight of materials for hoist bridge Type -I & II- 6nos									
	Plates	39343.555					39343.555		
	Sections	44954.078 6					44954.079		
	cheq. plate	9762.429					9762.429		
	MS round bar	383.158					383.158		
	Total Quantity						94443.221 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						94443.221 kg		
	Say 94443.221 kg @ Rs 59.15 / kg						<b>Rs 5586316.52</b>		
8	od111637/2020_2021 Painting the exposed surface of the hoist and supporting structure with two coats of synthetic enamel paint conforming to IS 2932 with minimum film thickness of 25+/-5 micron per each coat over one coat of alkayed based micaceous iron oxide paint with minimum film thickness 65+/-5 micron over 2 coats of zinc phosphate primer with film thickness of 40+/-5micron per coat so that the film thickness of all coats including priming coat not les than 175 micron over grit blasting the surface to class B standard of IS1 4177 including cost of all material labour testing of paint, incidental charge, hire of Tand P								
	For Shutter Type -I & II --6nos								
	MS chequered plate - hoist platform	2*6	2.750	2.200		2.0	145.201	18/213	
	MS chequered plate - hoist platform	4*6	1.150	0.990		2.0	54.648	19/213	
	MS chequered plate - hoist platform	2*6	0.990	0.495		2.0	11.762	20/213	
	MS chequered plate - hoist platform	2*6	0.835	0.390		2.0	7.816	21/213	
	MS chequered plate - hoist platform	2*6	1.800	2.100		2.0	90.720	22/213	
	MS chequered plate - hoist platform	1*6	13.990	0.485		2.0	81.422	29/213	
	MS chequered plate - ladder step	1*22	0.800	0.150		2.0	5.280	Addl qty not shown in drawing	
	Hand rails For Shutter Type -I & II- 6nos								
	Hand rails of Hoist bridge	2*6	13.990			0.13	22.329	28/113	
	Handrails for ladder	2*2	8.500			0.13	4.522		

For Shutter Type -I&II- 6nos								
Cross Member- (ISMC 300X90) - Drum support	4*6	2.090			0.96	48.154	7/213	
Cross Member- (ISMC 200X75) - Drum support	2*6	2.090			0.7	17.556	8/213	
Cross Member support for drum (ISMC 150X75)	4*6	0.770			0.6	11.088	9/213	
Cross Member-for gear (ISMB 150X75)	2*6	0.980			0.6	7.056	10/213	
Cross Member- end (ISMC 150X75)	10*6	2.090			0.6	75.240	11/213	
Cross Member-for pulley (ISMC 150X75)	4*6	0.980			0.6	14.112	12/213	
Cleat- Handrail (75X75X8)	36*6	0.100			0.3	6.480	17/213	
Support for walk way (ISMC 150X75)	14*6	0.595			0.6	29.988	23/213	
Cleat handrail post (75x75x8)	14*6	0.150			0.3	3.780	24a/213	
Walk way support ISA 65x65x6	2*6	13.990			0.26	43.649	25/213	
Hand rail post ISA 65x65x6	28*6	1.250			0.26	54.600	26/213	
Support for walkway 75x75x8	14*6	0.720			0.3	18.144	30/213	
Drum unit Assby base fram ISMC 300x90-1	2*6	0.240			0.96	2.765	1/214	
ISMC 300x90-2	2*6	1.500			0.96	17.280	2/214	
Base frame- cross - ISMC 300x90-3	2*6	0.770			0.96	8.871	3/214	
ISMC 300x90-4	2*6	0.900			0.96	10.368	4/214	
ISMC 300x90	2*6	0.440			0.96	5.069	5/214	
ISMC 300x90	2*6	0.690			0.96	7.949	6/214	
Side angle- Drum cover ISA 35X35x5	4*6	2.145			0.14	7.208	1/220	

ISA 35X35x5	4*6	0.540			0.14	1.815	2/220
ISA 35X35x5	2*6	0.828			0.14	1.392	3/220
ISA 35X35x5	4*6	0.132			0.14	0.444	4/220
ISA 35X35x5	2*6	0.175			0.14	0.294	5/220
ISA 35X35x5	6*6	0.470			0.14	2.369	5a/220
Gear box assbly base frame ISMC 150x75	2*6	1.570			0.6	11.304	11/218
base frame ISMC 150x75	2*6	0.700			0.7	5.880	12/218
base frame ISMC 150x75	1*6	0.700			0.7	2.940	13/218
base frame ISA 75x75x8	4*6	0.790			0.3	5.688	14/218
base frame ISA 75x75x8	2*6	0.400			0.3	1.441	15/218
base frame ISA 75x75x8	2*6	0.500			0.3	1.800	16/218
bracket - ISA 100 x 100 x 8	2*6	0.700			0.4	3.360	19/218
Coupling base- ISA 75x75x8	2*6	0.700			0.3	2.520	22/218
Gear box base- ISA 75x75x8	2*6	0.700			0.3	2.520	26/218
Gear box base support- ISMC 150x75	1*6	0.250			0.6	0.900	28/218
Gear box Cover- ISA 35x35x5	2*6	0.840			0.14	1.412	1/219
Gear box Cover- ISA 35x35x5	2*6	1.000			0.14	1.681	2/219
Gear box Cover- ISA 35x35x5	2*6	0.180			0.14	0.303	3/219
Gear box Cover- ISA 35x35x5	2*6	994.000			0.14	1669.920	4/219
Gear box Cover- ISA 35x35x5	2*6	2.175			0.14	3.654	5/219
Gear box Cover- ISA 35x35x5	2*6	0.840			0.14	1.412	6/219

Gear box Cover 35 x 35 x 5	3*6	0.770			0.14	1.941	7/219
Dial guage assbly ISMC 100x50	2*6	0.925			0.4	4.440	3/221
plumer base ISA 50x50x6	2*6	0.050			0.2	0.121	9/221
Dogging beam ISA 75x75x8	8*6	0.232			0.3	3.341	9/222
ISMC 100X50 to connect two girders	2*6	1.990			0.4	9.552	addl.qty not shown in drwg
ISMC 150x75-for ladder -side	2*1	5.500			0.6	6.600	addl.qty not shown in drwg
ISMC 150x75-for ladder -	2*1	3.000			0.6	3.600	addl.qty not shown in drwg
Hand rail post ISA 50x50x6	12*1	1.200			0.2	2.880	addl.qty not shown in drwg
Brazing ISA 65x65x6	2*1	5.500			0.26	2.861	addl.qty not shown in drwg
Step ISA50X50X6	22*1	0.800			0.26	4.577	addl.qty not shown in drwg
For Shutter Type -I & II - 6nos							
Base plate for plumer block	8*6	0.300	0.150		2.0	4.320	1/212
Stiffener plate for plumer block	4*6	0.330	0.300		2.0	4.753	2/212
Plate	4*6	0.330	0.130		2.0	2.060	3/212
Longitudinal Girder Web	4*6	13.990	1.200		2.0	805.825	1/213
Longitudinal Girder Flange	4*6	13.990	0.150		2.0	100.729	2/213
Bottom Plate	4*6	0.290	0.340		2.0	4.733	3/213
Foundation plate	14*6	0.590	0.340		2.0	33.701	3a/213
End stiffener Plate	8*6	1.216	0.160		2.0	18.678	4/213

	Lock plate dia 100 - Foundation bolt	16*6	3.140	.1*.1/4		2.0	1.508	6/213
	Bracket plate main girder-inside	8*6	0.908	0.070		2.0	6.102	13/213
	Bracket plate main girder-inside	4*6	1.008	0.070		2.0	3.387	14/213
	Bracket plate main girder-inside	22*6	1.058	0.070		2.0	19.552	15/213
	Bracket plate main girder-outer	32*6	1.200	0.070		2.0	32.256	16/213
	Bracket plate main girder-bottom	14*6	0.250	0.135		2.0	5.670	24/213
	Flat	2*6	13.990	0.050		2.0	16.788	27/213
	Pulley bracket plate for hoist	4*6	1.192	0.525		2.0	30.039	32/213
	Hor.girders joining plate at end	2*6	1.500	0.060		2.0	2.160	38/213
	Drum base plate-1	2*6	1.500	0.060		2.0	2.160	7/214
	Drum base plate -2	2*6	0.600	0.060		2.0	0.864	8/214
	Stiffener plate	8*6	0.276	0.140		2.0	3.710	9/214
	Bracket for drum support	2*6	0.273	0.080		2.0	0.525	10/214
	Stiffener Plate for drum leg-1	8*6	0.120	0.090		2.0	1.037	11/214
	Stiffener plate for drum leg-2	4*6	0.090	0.060		2.0	0.260	12/214
	Drum leg	4*6	0.525	0.350		2.0	8.820	13/214
	Drum shaft lock plate	4*6	0.280	0.100		2.0	1.345	14/214
	Spacer for drum shaft dia 160	4*6	3.140	.16*.16/4		2.0	0.965	15/214
	base plate for plummer block	8*6	0.320	0.100		2.0	3.072	16/214
	Lock plate for drum rope	4*6	0016*.016 /4	3.140		2.0	8.441	4/215
	plate on Drum gear	12*6	0.060	0.020		2.0	0.173	4/216
	Plate	2*6	0.073	0.035		2.0	0.062	4a/220

Drum unit cover sheet- top	2*6	2.215	0.530		2.0	28.175	6/220
cover sheet- side	4*6	1.415	0.575		2.0	39.054	7/220
Flat- side	2*6	1.150	0.050		2.0	1.380	8/220
Flat	4*6	0.835	0.050		2.0	2.004	9/220
cover sheet - side window	2*6	0.310	0.210		2.0	1.563	11/220
Base plate for Gear box	2*6	0.380	0.360		2.0	3.284	17/218
Stiffener plate	4*6	0.090	0.090		2.0	0.389	18/218
Base plate- inside	2*6	0.147	0.130		2.0	0.459	20/218
Stiffener inside	1*6	0.360	0.140		2.0	0.605	21/218
Base plate- coupling	4*6	0.065	0.065		2.0	0.203	23/218
stiffener plate	1*6	0.240	0.190		2.0	0.548	24/218
Stiffener plate- motor	2*6	0.065	0.065		2.0	0.102	25/218
Base plate motor inside	1*6	0.075	0.050		2.0	0.045	27/218
sheet Gear box coverside	2*6	1.472	0.970		2.0	34.269	8/219
sheet Gear box cover -side	1*6	0.970	0.820		2.0	9.545	9/219
Sheet - side	1*6	0.820	0.670		2.0	6.593	10/219
Plate - side window	1*6	0.150	0.150		2.0	0.270	11/219
cove Sheet -top	1*6	1.640	0.820		2.0	16.138	12/219
Plate side window	2*6	1.100	0.050		2.0	1.321	15/219
Dial Guage- Base Plate	1*6	0.470	0.300		2.0	1.692	2/221
bracket Plate	2*6	0.185	0.150		2.0	0.666	4/221
Bracket plate for plummer	1*6	0.170	0.150		2.0	0.307	4a/221
Base plate for plummer	1*6	0.165	0.060		2.0	0.119	5/221
bracket plate	1*6	0.280	0.090		2.0	0.303	6/221
Bracket Plate	2*6	0.100	0.090		2.0	0.216	7/221
Needle	1*6	0.170	0.040		2.0	0.082	10/221

	Plate	2*6	0.276	0.230		2.0	1.524	21/221	
	Dogging beam foundation plate	4*6	0.400	0.400		2.0	7.681	1/222	
	Plate- Longitudinal	4*6	1.450	0.120		2.0	8.352	3/222	
	Plate- Horizontal	4*6	1.450	0.200		2.0	13.920	4/222	
	Plate- end	4*6	0.220	0.100		2.0	1.056	5/222	
	Stiffener plate	12*6	0.200	0.088		2.0	2.535	6/222	
	Hoisting girder splice Plate (web)	4*6	1.140	0.800		2.0	43.776	Addl. qty not shown in drwg	
	Hoisting girder splice Plate (flange)	2*6	0.400	0.130		2.0	1.249		
	Total Quantity						3929.139 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						3929.139 sqm		
	Say 3929.139 sqm @ Rs 565.24 / sqm						<b>Rs 2220906.53</b>		
9	85.136 Erection of the hoisting bridge unit including handrails , ladder and platform etc. in correct alignment and anchoring it ; setting and aligning the covers of the hoisting unit etc complete including cost of all labour, machinery, incidental and conveyance , lead and lift charges etc complete but excluding cost of materials already supplied								
	Erection weight of materials for hoist bridge Type -I & II- 6nos								
	Plates	39343.555					39343.555		
	sections	44954.078					44954.078		
	cheq. plate	9762.429					9762.429		
	MS round bar	383.158					383.158		
	Fabrication weight of GI pipe	201.880				2.63	530.945		
	Total Quantity						94974.165 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						94974.165 kg		
	Say 94974.165 kg @ Rs 3.40 / kg						<b>Rs 322912.16</b>		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>11 Appendix F 6- Supplying, stacking, erecting and trial run of rope drum hoisting Unit</b>									
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel								

Line shaft For Shutter Type -I & II - 6nos									
	Pin for pulleys on Lifting - 90mm dia	4*6	0.190	3.140	.045*.045	7850.0	227.609	10/211	
	Pin for pulleys on Lifting - 80mm dia	2*6	0.206	3.140	.045*.045	7850.0	123.388	12/211	
	Pin for pulleys on bottom block - 80mm dia	4*6	0.180	3.140	.04*.04	7850.0	170.374	10a/211	
	Line shaft 60mm dia	2*6	3.765			22.18	1002.093	5/212	
	Total Quantity						1523.464 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						1523.464 kg		
	Say 1523.464 kg @ Rs 128.95 / kg						<b>Rs 196450.68</b>		
2	od111995/2020_2021 Supplying and stacking of 20 Tonne capacity rope drum hoisting unit having 13.5 m lift at a hoisting speed of about 0.50 /min(+/-10%) through pulley arrangements with 4 numbers of falls on either side with 18mm tested ungalvanized wire rope 6/36 construction, fibre core having breaking capacity 19266Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 5HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of line shaft but including 2 nos. of plummer blocks for line shaft with bearings 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 Shutter Type -I & II-6nos								
	1no/shutter	1*6					6.000		
	Total Quantity						6.000 set		
	Total Deducted Quantity						0.000 set		
	Net Total Quantity						6.000 set		
	Say 6.000 set @ Rs 839830.96 / set						<b>Rs 5038985.76</b>		
3	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 Shutter Type -I & II-6nos								
	Erection for 20 ton	6					6.000		
	Total Quantity						6.000 no		
	Total Deducted Quantity						0.000 no		



	Net Total Quantity						6.000 no	
	Say 6.000 no @ Rs 56021.99 / no						<b>Rs 336131.94</b>	
4	85.135 Conveying and Fixing wire rope already supplied to the new gates and Hoisting unit safely and conducting Trial run							
	For Shutter Type -I & II-6nos							
		6					6.000	
	Total Quantity						6.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						6.000 set	
	Say 6.000 set @ Rs 16981.94 / set						<b>Rs 101891.64</b>	
5	od114887/2020_2021 Providing Dial guage assembly with with Dial, 1 5/8 feet worm reducer, chain & Sprockets, Frame and other accessories.							
	Dial gauge For Shutter Type -I & II-6nos							
	Dial gauge assembly	1*6					6.000	r
	Total Quantity						6.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						6.000 no	
	Say 6.000 no @ Rs 22119.54 / no						<b>Rs 132717.24</b>	
6	od114888/2020_2021 Supplying Wire rope: 18mm dia, 6/36 Construction, Right hand lay, Ungalvanized, main fibrecore, UTS 180 KG/MM2 having breaking load capacity of 336 KN(19266kg), Conforming to TO IS 2266 -1989							
	wire rope for Shutter Type -I & II-6nos							
	wire rope 18mm	1*6	85.000				510.000	
	Total Quantity						510.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						510.000 metre	
	Say 510.000 metre @ Rs 348.45 / metre						<b>Rs 177709.50</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>12 Appendix F- 7 Fabrication and Supply of top pivot and pintle assembly- for 8 nos Diamond lock shutters</b>								
1	od114900/2020_2021 Supply of cast steel IS 1030 Gr.340-570 W casting for pintle assembly ,pintle pin , pivot assembly, pivot pin,thrust ball bearing 51120,spherical roller bearings 22226E etc for shutters and embedded parts, cost of material and conveyance charges etc complete							
	cast steel pintle assembly							

	cast steel pintle assembly including mountings on shutter	4*2						8.000	
	Total Quantity							8.000 set	
	Total Deducted Quantity							0.000 set	
	Net Total Quantity							8.000 set	
	Say 8.000 set @ Rs 1112086.86 / set							<b>Rs 8896694.88</b>	
2	od114907/2020_2021 Erection of cast iron pintle and pivot set,pintle and pivot pin and bearings for shutters and embedded parts, cost of labour and hire charge etc complete								
	erection charge of pintle set								
	erection charge of pintle set	2*4						8.000	
	Total Quantity							8.000 set	
	Total Deducted Quantity							0.000 set	
	Net Total Quantity							8.000 set	
	Say 8.000 set @ Rs 6958.15 / set							<b>Rs 55665.20</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>13 Appendix F-8 Providing wooden seal at joints for 8 nos Diamond lock shutters</b>									
1	od114936/2020_2021 Providing wooden seal superior quality(Teak wood) for bottom side and joint sealing								
	For 8nos Diamond lock shutters								
	wood seal at centre	4*2	51.500	6.250	4.500		11587.500	103/34	
	Total Quantity							11587.500 cud m	
	Total Deducted Quantity							0.000 cud m	
	Net Total Quantity							11587.500 cud m	
	Say 11587.500 cud m @ Rs 364.17 / cud m							<b>Rs 4219819.88</b>	
2	od114959/2020_2021 Supplying and fixing in correct position with specified flat type rubber flap on wooden seal including ss screw , drilling charges also included								
	Diamond lock shutters								
	Rubber flap 150x19	4*2	5.200				41.600	35/103	
	Total Quantity							41.600 metre	
	Total Deducted Quantity							0.000 metre	
	Net Total Quantity							41.600 metre	

	Say 41.600 metre @ Rs 1579.50 / metre						<b>Rs 65707.20</b>	
3	85.118 Supplying and fixing in correct position with specified initial interface L-type / bulb nose rubber seal confirming to IS11855 to the gates including cost of SS bolts and nuts and all labour and machinery and incidental and conveyance charges complete as per approved specifications and drawings							
	side seal	1*8	4.855				38.840	
	bottom seal	1*8	8.200				65.600	
	Total Quantity						104.440 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						104.440 metre	
	Say 104.440 metre @ Rs 2681.08 / metre						<b>Rs 280012.00</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>14 Appendix F-9-Supply of materials, fabrication, and erection of hoist assembly for 8 nos Diamond lock shutters</b>								
1	od115220/2020_2021 Supplying, stacking and erection of 6Tonne capacity rack and pinion hoisting unit assembly							
	Diamond lock shutters							
	6 tonne capacity Rack and pinion	4*2					8.000	
	Total Quantity						8.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						8.000 set	
	Say 8.000 set @ Rs 501213.91 / set						<b>Rs 4009711.28</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>15 Appendix G: Soil Investigation</b>								
	Lump-Sum Total						<b>Rs 350000.00</b>	
	Provision for GST payments (in %) @						<b>12.0%</b>	
	Amount reserved for GST payments						<b>49681231.70</b>	
	Total						<b>463691495.70</b>	
	Lumpsum for round off						<b>8504.30</b>	
	<b>TOTAL Rs 463700000.00</b>							
	<b>Rounded Total Rs 46,37,00,000</b>							
	Rupees Forty Six Crore Thirty Seven Lakh Only							

(Cost Index Applied for this estimate is 32.04%)