

TS Register No: 3292/2020-2021

AS Register No:3451/2020-2021

**Construction of RCB Across Poonur Puzha near KWA Pumping house at  
Poolakkadavu in Kuruvattoor Panchayath, Kozhikode District**

Detailed Estimate

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

Sl No	Description	No	L	B	D	CF	Quantity	Remark
<b>1 Appendix A- Electrical (Generator) Room</b>								
1	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil							
	Column	8	1.600	1.400	1.500		26.880	
	Foundation for long walls	3	2.800	0.600	0.600		3.024	
		2	2.300	0.600	0.600		1.656	
	Cross walls	2	1.400	0.600	0.600		1.008	
		2	1.600	0.600	0.600		1.152	
							Total Quantity	33.720 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	33.720 cum
							Say 33.720 cum @ Rs 218.08 / cum	<b>Rs 7353.66</b>
2	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil							
	Site levelling	1	10.000	8.000	1.500		120.000	
							Total Quantity	120.000 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	120.000 cum
							Say 120.000 cum @ Rs 165.07 / cum	<b>Rs 19808.40</b>
3	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)							

	Column footing	8	1.600	1.400	0.150		2.688		
	Rooms floor	2	4.000	3.000	0.100		2.401		
		1	3.500	3.000	0.100		1.050		
	For cable duct in panel room	1	4.000	1.000	0.150		0.600		
	For cable duct in generator room	1	2.000	1.000	0.150		0.300		
	Room floor at cable duct	1	4.000	1.000	0.100		-0.400		
		1	2.000	1.000	0.100		-0.200		
	Total Quantity							7.039 cum	
	Total Deducted Quantity							-0.600 cum	
	Net Total Quantity							6.439 cum	
	Say 6.439 cum @ Rs 5869.06 / cum							<b>Rs 37790.88</b>	
4	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete								
	Column footing	8	3.200		0.300		7.680		
		8	2.800		0.300		6.720		
	Total Quantity							14.400 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							14.400 sqm	
	Say 14.400 sqm @ Rs 254.19 / sqm							<b>Rs 3660.34</b>	
5	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers								
	Plinth Beam long wall	3	4.400		0.800		10.561		
		2	3.700		0.800		5.921		
	Cross walls	4	3.000		0.800		9.601		
	Lintel long walls	2	4.000		0.300		2.400		
		2	3.500		0.300		2.100		
	lintel toilet side	2	1.400		0.300		0.840		
	Cross walls	8	2.600		0.800		16.640		
	Beam long walls	2	8.100		0.800		12.960		
		1	4.400		0.800		3.521		

	Crosss walls	4	3.050		0.800		9.760	
	Sunshade	1	2.100	0.600			1.260	
		1	3.300		0.080		0.264	
		1	6.200	0.060			0.372	
		1	7.400		0.080		0.593	
	Total Quantity						76.793 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						76.793 sqm	
	Say 76.793 sqm @ Rs 449.40 / sqm						<b>Rs 34510.77</b>	
6	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts							
	Column upto plinth beam	8	1.200		0.600		5.760	
		5	1.200		2.900		17.400	
		3	1.200		3.500		12.601	
	Total Quantity						35.761 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						35.761 sqm	
	Say 35.761 sqm @ Rs 613.16 / sqm						<b>Rs 21927.21</b>	
7	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
	Main slab	1	3.100	3.500			10.850	
		2	3.100	4.000			24.800	
	Slab projection	1	31.800	1.000			31.800	
	Slab sides	1	34.200		0.100		3.421	
	Total Quantity						70.871 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						70.871 sqm	
	Say 70.871 sqm @ Rs 553.47 / sqm						<b>Rs 39224.97</b>	
8	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size							

	Column footing	8	1.400	1.200	0.300		4.032		
		8	0.800	0.600	0.300		1.152		
	Columns up to plinth beam	8	0.400	0.200	0.600		0.385		
	Plinth beam-long wall	3	4.400	0.200	0.300		0.792		
		2	3.700	0.200	0.300		0.445		
	Cross walls	2	2.600	0.200	0.300		0.312		
		2	2.800	0.200	0.300		0.336		
		Total Quantity						7.454 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						7.454 cum	
		Say 7.454 cum @ Rs 8145.84 / cum						<b>Rs 60719.09</b>	
9	5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up tot floor five level excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3( 1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)								
	Column above plinth beam	5	0.400	0.200	2.900		1.161		
		3	0.400	0.200	3.500		0.841		
	Lintel -long walls	2	4.000	0.200	0.150		0.240		
		2	3.500	0.200	0.150		0.211		
	Cross walls	2	2.600	0.200	0.150		0.156		
	toilet wall side	1	1.400	0.200	0.150		0.042		
	Beams- long walls	2	8.100	0.200	0.300		0.972		
		1	4.400	0.200	0.300		0.264		
	Cross walls	2	2.800	0.200	0.300		0.336		
	Sunshade	1	2.100	0.600	0.080		0.101		
		1	6.200	0.600	0.080		0.298		
	Main slab	1	9.300	3.950	0.100		3.674		
		1	5.600	3.950	0.100		2.212		
		Total Quantity						10.508 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						10.508 cum	
		Say 10.508 cum @ Rs 9365.29 / cum						<b>Rs 98410.47</b>	

10	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							
	Qty of concrete as per spec. no.5.1.2	1	7.454			100.0	745.400	
	Qty of concrete as per spec. no.5.2.2	1	10.508			100.0	1050.800	
	Total Quantity						1796.200 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						1796.200 kilogram	
	Say 1796.200 kilogram @ Rs 74.18 / kilogram						<b>Rs 133242.12</b>	
11	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with: Cement mortar 1:6 (1 cement : 6 coarse sand)							
	Foundation of long walls	2	8.500	0.600	0.600		6.120	
	Basement of long walls	2	8.500	0.450	0.200		1.531	
	Foundation of long walls	1	4.800	0.600	0.600		1.728	
	Basement of long walls	1	4.800	0.450	0.200		0.433	
	Foundation of cross walls	5	2.600	0.600	0.600		4.680	
	Basement of cross walls	5	2.600	0.450	0.200		1.171	
	Total Quantity						15.663 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						15.663 cum	
	Say 15.663 cum @ Rs 5197.64 / cum						<b>Rs 81410.64</b>	
12	50.6.2.1 Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 ( 1 cement :6 coarse sand) etc complete							
	Long walls left	1	4.000	0.200	2.300		1.840	
		1	3.500	0.200	2.300		1.610	

	Long wall middle	1	4.000	0.200	3.500		2.801		
		1	3.500	0.200	2.300		1.610		
	Long wall right	1	4.000	0.200	2.900		2.320		
	Cross walls front	1	2.600	0.200	$(2.9+3.5)/2$		1.665		
		1	2.800	0.200	$(2.9+3.5)/2$		1.792		
	Middle	1	2.600	0.200	2.300		1.196		
	toilet wall	1	2.000	0.100	2.900		0.580		
		1	1.400	0.100	2.900		0.406		
		1	2.800	0.200	$(2.9+3.5)/2$		1.792		
	Rear	1	2.600	0.200	2.300		1.196		
		1	2.600	0.200	2.300		1.196		
	Step	1	2.700	0.600	0.450		0.730		
		1	2.700	0.300	0.150		0.122		
	cable duct	1	4.000	0.200	0.600		0.480		
		1	2.000	0.200	0.600		0.240		
	Door	3	1.000	0.200	2.100		-1.260		
	Rolling shutter	1	1.500	0.200	2.100		-0.630		
	Window W	1	1.600	0.200	1.500		-0.480		
	Window W1	2	1.100	0.200	1.500		-0.660		
	Lintel	1	9.600	0.200	0.150		-0.288		
	Ventillator	1	0.900	0.200	0.600		-0.108		
	Wall of FF	4	3.200	0.200	3.800		9.729		
	Wall	2	4.600	0.200	3.800		6.992		
	Deduction for rolling shutter	1	3.200	0.200	2.400		-1.536		
	Deduction for windows	5	1.500	0.200	1.500		-2.250		
	Deduction for lintels	5	1.700	0.200	0.200		-0.340		
	Deduction for over rolling shutter	1	3.200	0.200	0.200		-0.128		
		Total Quantity						38.297 cum	
		Total Deducted Quantity						-7.680 cum	

	Net Total Quantity						30.617 cum
	Say 30.617 cum @ Rs 5254.40 / cum						<b>Rs 160873.96</b>
13	<p>9.121          Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross- section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminated shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.</p>						
	Door	1	5.100				5.100
	Total Quantity						5.100 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						5.100 metre
	Say 5.100 metre @ Rs 544.55 / metre						<b>Rs 2777.20</b>
14	<p>9.122.1          Providing and fixing to existing door frames.30 mm thick Glas Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS : 14856, including fixing to frames.</p>						
	Door	1	2.100	0.900			1.891
	Total Quantity						1.891 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						1.891 sqm
	Say 1.891 sqm @ Rs 2866.74 / sqm						<b>Rs 5421.01</b>
15	<p>9.147.5          Providing and fixing factory made uPVC white colour casement/casement cumfixed glazed windows comprising of uPVC multi-chambered frame, sash andmullion (where ever required) extruded profiles duly reinforced with 1.60 +/- 0.2mm thick galvanized mild steel section made from roll forming process of requiredlength (shape &amp; size according to uPVC profile), uPVC extruded glazing beads ofappropriate dimension, EPDM gasket, stainless steel (SS 304 grade) frictionhinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8mm size for fixing frame to finished wall, plastic packers, plastic caps andnecessary stainless steel screws etc. Profile of frame &amp; sash shall be mitred cutand fusion welded at all corners, mullion (if required) shall be also fusion weldedincluding drilling of holes for fixing hardware's and drainage of water etc. Afterfixing frame the gap between frame and adjacent finished wall shall be filled withweather proof silicon sealant over backer rod of required size and of approvedquality, all complete as per approved drawing &amp; direction of Engineer-in-Charge.(Single / double glass panes and silicon sealant shall be paid separately)&lt;br&gt;Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerancein dimension i.e. in depth &amp; width of profile shall be acceptable.Casement window double panels with S.S. friction hinges (350 x 19 x 1.9 mm)made of (big series)frame 67 x 60 mm &amp; sash</p>						

	/ mullion 67 x 80 mm both having wall thickness of $2.3 \pm 0.2$ mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of window above 1.50 sqm).						
	W1	1	1.500	1.500			2.250
	W2	1	1.500	1.100			1.651
	V	1	0.900	0.600			0.540
	Total Quantity						4.441 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						4.441 sqm
	Say 4.441 sqm @ Rs 10973.92 / sqm						<b>Rs 48735.18</b>
16	9.149 Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.						
		3					3.000
	Total Quantity						3.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						3.000 no
	Say 3.000 no @ Rs 196.59 / no						<b>Rs 589.77</b>
17	14.29 Providing and fixing M.S. round or square bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows.						
	Window W	14	1.600			0.89	19.937
	Window W1	14	1.100			0.89	13.707
	Ventilator V1	2	0.900			0.89	1.602
	Total Quantity						35.246 kg
	Total Deducted Quantity						0.000 kg
	Net Total Quantity						35.246 kg
	Say 35.246 kg @ Rs 81.00 / kg						<b>Rs 2854.93</b>
18	9.48.1 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding						
	Generator room	1	3.000		0.600	20.0	36.000
		1	3.500		0.600	20.0	42.000
		2	1.200		0.600	20.0	28.800
	Panel room	1	4.000		0.600	20.0	48.000





	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 171.07 / no						<b>Rs 171.07</b>	
23	50.9.15.3 Providing and fixing iron hooks and eyes : 200mm.							
	Window W	1*3					3.000	
	Window W1	1*2					2.000	
	Total Quantity						5.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						5.000 no	
	Say 5.000 no @ Rs 16.31 / no						<b>Rs 81.55</b>	
24	50.9.15.5 Providing and fixing iron hooks and eyes: 100 mm							
	Window W	1*3*2					6.000	
	Window W1	1*2*2					4.000	
	Total Quantity						10.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						10.000 no	
	Say 10.000 no @ Rs 11.66 / no						<b>Rs 116.60</b>	
25	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 fame 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.							
		1	5.100				5.100	
	Total Quantity						5.100 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						5.100 metre	
	Say 5.100 metre @ Rs 575.03 / metre						<b>Rs 2932.65</b>	
26	9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of whicj 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on th inner side to form top and bottom							

	rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm ) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters						
		1	2.100	0.900			1.891
	Total Quantity						1.891 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						1.891 sqm
	Say 1.891 sqm @ Rs 3627.87 / sqm						<b>Rs 6860.30</b>
27	13.4.1 12 mm cement plaster of mix:1:4 ( 1 cement : 4 coarse sand)						
	Panel room	1	14.000		3.300		46.200
	Generator room	1	13.000		3.300		42.900
	Office	1	14.000		3.300		46.200
	Outside	1	29.400		3.800		111.720
	Floor of panel and generator room	1	4.000	3.000			12.000
		1	3.500	3.000			10.500
	toilet	1	2.000	3.000			6.000
		1	1.400	3.000			4.200
	Roof top	1	9.300	4.650			43.246
		1	5.600	3.250			18.200
	Doors	2	-1.000		2.100		-4.200
	Window W	1	-1.600		1.500		-2.400
	Window W1	2	-1.100		1.500		-3.300
	Rolling shutter	1	-1.500		2.100		-3.150
	Generator platform	1	-2.000	1.000			-2.000
	Cable duct	1	-6.000	1.000			-6.000
	Total Quantity						320.116 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						320.116 sqm
	Say 320.116 sqm @ Rs 237.02 / sqm						<b>Rs 75873.89</b>

28	13.16.1 6 mm cement plaster of mix:1:3 ( 1 cement : 3 fine sand)						
	Panel room	1	4.000	3.000			12.000
	Generator room	1	3.500	3.000			10.500
	Office	1	4.000	3.000			12.000
	Slab projection	1	31.800	1.000			31.800
	Sunshade	1	2.100	0.700			1.470
		1	2.100	0.700			1.470
	Total Quantity						69.240 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						69.240 sqm
	Say 69.240 sqm @ Rs 188.46 / sqm						<b>Rs 13048.97</b>
29	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer						
	Qty vide spec. no.13.6.1	1	69.240				69.240
	Qty vide ispec. no.13.4.1	1	309.916				309.916
	Total Quantity						379.156 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						379.156 sqm
	Say 379.156 sqm @ Rs 48.43 / sqm						<b>Rs 18362.53</b>
30	13.46.1 Finishing walls with Acrylic Smooth exterior paint of required shade:New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)						
	Outside wall	1	111.720				111.720
	Total Quantity						111.720 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						111.720 sqm
	Say 111.720 sqm @ Rs 125.88 / sqm						<b>Rs 14063.31</b>
31	13.48.3 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture						

	Door	1	1.000		2.100	2.25	4.726		
	Window	1	1.100		1.500		1.651		
	Rolling shutter	1	1.500		2.100		3.151		
	Grills	1	3.000		0.600		1.800		
		1	3.500		0.600		2.100		
		1	4.000		0.600		2.400		
		2	1.200		0.600		1.440		
	Total Quantity						17.268 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						17.268 sqm		
	Say 17.268 sqm @ Rs 111.07 / sqm						<b>Rs 1917.96</b>		
32	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								
	Qty vide Spec. No. 13.16.1	1	69.240				69.240		
	Qty vide Spec. No. 13.4.1	1	320.116				320.116		
	Total Quantity						389.356 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						389.356 sqm		
	Say 389.356 sqm @ Rs 110.68 / sqm						<b>Rs 43093.92</b>		
33	13.62.1 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture .								
	Door	1	1.000		2.100	2.25	4.726		
	Window W	1	1.600		1.500		2.401		
	Window W1	1	1.100		1.500		1.651		
	Total Quantity						8.778 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						8.778 sqm		
	Say 8.778 sqm @ Rs 147.18 / sqm						<b>Rs 1291.95</b>		
34	11.38 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except								

	White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 ( 1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.						
	Watchman cabin	1	4.300	3.300			14.190
	Step	1	2.600	1.100			2.861
	toilet	1	2.000	1.400			2.800
	Total Quantity						19.851 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						19.851 sqm
	Say 19.851 sqm @ Rs 980.20 / sqm						<b>Rs 19457.95</b>
35	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 6020.57 / each						<b>Rs 6020.57</b>
36	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 2746.10 / each						<b>Rs 2746.10</b>
37	50.18.7.4.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 32 mm dia 10Kgf/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 234.11 / metre					<b>Rs 11705.50</b>
38	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend						
		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 154.09 / no					<b>Rs 308.18</b>
39	50.18.8.9.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chased and making good the wall etc. 110 mm pipe 6kgf/cm2						
		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 574.32 / metre					<b>Rs 11486.40</b>
40	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.						
		1000				1000.000	
		Total Quantity					1000.000 Litre
		Total Deducted Quantity					0.000 Litre
		Net Total Quantity					1000.000 Litre
		Say 1000.000 Litre @ Rs 9.50 / Litre					<b>Rs 9500.00</b>
41	51.19.ST1 Supplying and installing ready made PVC Septic tank including the cost of carriage, trenching, placing at the level below ground level as specified as per the direction of engineer in charge (Provision for CC/RCC/Sand/06mm aggregate for the preparation of bed shall be paid separately) 1. Below 15 flush capacity						
		1				1.000	
		Total Quantity					1.000 each
		Total Deducted Quantity					0.000 each

		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 17003.20 / each					<b>Rs 17003.20</b>	
42	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.						
		2	2.000	1.800			7.200	
		2	1.400	1.800			5.040	
		Total Quantity					12.240 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					12.240 sqm	
		Say 12.240 sqm @ Rs 976.13 / sqm					<b>Rs 11947.83</b>	
43	10.6.2	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.80x1.20 mm M.S. laths with 1.20 mm thick top cover						
	Rolling shutter	1	1.500	2.100			3.151	
		Total Quantity					3.151 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					3.151 sqm	
		Say 3.151 sqm @ Rs 2413.34 / sqm					<b>Rs 7604.43</b>	
44	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix ( 1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)						
	For windows	2*4					8.000	
	Door	1*6					6.000	
		Total Quantity					14.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					14.000 each	
		Say 14.000 each @ Rs 155.44 / each					<b>Rs 2176.16</b>	



45	10.5.1 Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces							
	Door D	1	1.000		2.100		2.100	
	Total Quantity						2.100 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.100 sqm	
	Say 2.100 sqm @ Rs 3761.75 / sqm						<b>Rs 7899.68</b>	
46	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.							
	Stair Case							
	Structural Steel staircase to the operating platform, having dimensions 3m x 1m @ 15kg/m <sup>2</sup>	1	3.000	1.000		15.0	45.000	
	Total Quantity						45.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						45.000 kg	
	Say 45.000 kg @ Rs 88.66 / kg						<b>Rs 3989.70</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>2 Appendix B- Construction of Regulator Cum Bridge</b>								
1	od73181/2019_2020 RING BUND Type-1 Putting up ring bund as per approved shape 8m bottom width ,5m top width using empty gunny /polythene bags filled with earth placed in required no of raws at 1.80m apart and filled in between with puddle clay to form the bund for an average height of 3m including driving Z type MS sheet piles of 6m height (400x185x7.5/8.5 or equalant-confirming to IS 2314-1986) driven one raw with minimum driving length of 4m on sandy bed for ensuring sufficient anchorage and horizontally braced with MS flats and angles wherever necessary including dismantling the bund, driven out sheet pile after completion of the work etc complete as directed by the departmental officers at site.							
	Long Bunds	2	58.000				116.000	
	Total Quantity						116.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						116.000 metre	
	Say 116.000 metre @ Rs 21426.33 / metre						<b>Rs 2485454.28</b>	
2	od73188/2019_2020							

	RING BUND Type-I-Putting up ring bund as per approved shape 3.5m bottom width, 1m top width using empty gunny/polythene bags filled with earth placed in 2 rows at 1m apart and filled in between with puddle clay to form bund for an average height 3.00m including labour dismantling the bund after completion of the work etc. complete. 						
	Cross Bunds	4	36.000				144.000
	Total Quantity						144.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						144.000 metre
	Say 144.000 metre @ Rs 2186.49 / metre						<b>Rs 314854.56</b>
3	od73180/2019_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						
	Bailing out water						
	3 pumps 175 days 8 hours	3*175*8					4200.000
	Total Quantity						4200.000 hour
	Total Deducted Quantity						0.000 hour
	Net Total Quantity						4200.000 hour
	Say 4200.000 hour @ Rs 232.74 / hour						<b>Rs 977508.00</b>
4	od73184/2019_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. 						
	Bailing out water						
	2 pumps 6 months 25 days 8 hours	2*6*25*8					2400.000
	Total Quantity						2400.000 hour
	Total Deducted Quantity						0.000 hour
	Net Total Quantity						2400.000 hour
	Say 2400.000 hour @ Rs 328.61 / hour						<b>Rs 788664.00</b>
5	od73195/2019_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.						
	Bailing out water						
	1 pump 6 months 25 days 8 hours	1*6*25*8					1200.000

		Total Quantity						1200.000 hour
		Total Deducted Quantity						0.000 hour
		Net Total Quantity						1200.000 hour
		Say 1200.000 hour @ Rs 727.70 / hour						<b>Rs 873240.00</b>
6	12.25.6 Bored 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-1200 mm							
	Refer DSR item20.2A for specification. Pile size required is 1200mm Dia.							
	Pile under pier P1 to P3	3*6	17.700				318.600	
	Pile under left abutment	5*3	18.600				279.000	
	Pile under right abutment	5*3	18.600				279.000	
		Total Quantity						876.600 metre
		Total Deducted Quantity						0.000 metre
		Net Total Quantity						876.600 metre
		Say 876.600 metre @ Rs 16112.82 / metre						<b>Rs 14124498.01</b>
7	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.							
	Steel Liner							
	Pile Under Pier P1	2*3	2.800	3.14*1.2	0.006	7.85	2.982	
	Pile Under Pier P2	2*3	1.200	3.14*1.2	0.006	7.85	1.278	
	Pile Under Pier P3	2*3	2.600	3.14*1.2	0.006	7.85	2.769	
	Pile under left abutment	5*3	1.900	3.14*1.2	0.006	7.85	5.058	
	Pile under right abutment	5*3	3.600	3.14*1.2	0.006	7.85	9.584	
		Total Quantity						21.671 MT
		Total Deducted Quantity						0.000 MT
		Net Total Quantity						21.671 MT
		Say 21.671 MT @ Rs 92559.33 / MT						<b>Rs 2005853.24</b>
8	od73177/2019_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						
	Levelling site	1	54.000	50.000	0.750		2025.000
	Clearing site upto bed level	1	54.000	30.000	1.050		1701.000
	Cuttting for gabion portion d/s	1	51.600	8.000	1.000		412.800
	Solid apron d/s side	1	51.600	4.000	1.000		206.400
	Solid apron center portion	1	51.600	4.000	1.300		268.320
	Solid apron u/s side	1	51.600	3.500	1.800		325.080
	Solid apron u/s side	1	51.600	3.500	1.000		180.600
	Cutting for gabion portion u/s	1	51.600	3.000	1.000		154.800
	Cutting for cutoffwall	2	51.600	0.300	2.000		61.920
	Levelling concrete below pile cap	3	11.800	4.100	0.100		14.514
	For sand cushion below apron U/S	1	51.600	3.500	0.400		72.240
	For sand cushion at centre portion	1	51.600	3.500	0.400		72.240
	For sand cushion below apron D/S	1	51.600	8.000	0.400		165.120
	pile cap for abutment	2	13.000	7.000	1.800		327.600
	abutment side cutting	2	13.000	$.5*(7.000+1.2)/2$	8.820		470.106
	pile cap at centre	-3	11.500	3.900	1.800		-242.190
						Total Quantity	6215.550 cum
						Total Deducted Quantity	0.000 cum
						Net Total Quantity	6215.550 cum
						Say 6215.550 cum @ Rs 182.53 / cum	<b>Rs 1134524.34</b>
9	12.39	Providing and laying of PCC M15 leveling course 100 mm thick below the pile cap					
	Levelling concrete under piers P1 to P3	3	11.700	4.100	0.100		14.391
	Levelling concrete under Abutment	1*2	13.000	7.000	0.100		18.200

	piles deduction from piers	3*6	3.140	(0.60*0.60)	0.100		-2.034		
	piles deduction from Abutment	2*15	3.140	(0.60*0.60)	0.100		-3.391		
	Total Quantity						32.591 cum		
	Total Deducted Quantity						-5.425 cum		
	Net Total Quantity						27.166 cum		
	Say 27.166 cum @ Rs 7209.09 / cum							<b>Rs 195842.14</b>	
10	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15								
	Solid apron - center portion	1	51.600	4.800	1.800		445.824		
	Solid apron D/s	1	51.600	3.500	1.300		234.780		
	Solid apron D/s	1	51.600	4.000	1.000		206.400		
	Solid apron U/s	1	51.600	3.500	1.000		180.600		
	Cutoff wall	2	51.600	0.300	2.000		61.920		
	Deduction for pile cap	3	4.000	3.900	1.800		-84.240		
	Deduction for Abutment	2	13.000	1.000	1.800		-46.800		
	Total Quantity						1129.524 cum		
	Total Deducted Quantity						-131.040 cum		
	Net Total Quantity						998.484 cum		
	Say 998.484 cum @ Rs 7504.48 / cum							<b>Rs 7493103.21</b>	
11	12.38.B.2 Cement Concrete for Reinforced Concrete in Pile Cap complete as per Drawing and Technical Specification R C C Grade M-25 - Using Batching Plant, Transit Mixer and Concrete Pump								
	weir between piers	4	12.000	(2.0+2.9)/2	0.500		58.801		
	pile cap for piers	3	11.500	3.900	1.800		242.190		
	pile cap for abutments	2	13.000	7.000	1.800		327.600		
	Total Quantity						628.591 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						628.591 cum		

		Say 628.591 cum @ Rs 8120.67 / cum					<b>Rs 5104580.08</b>	
12	13.5.F.P.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height upto 5m							
	Pier for shutter circular portion	3	3.142	2*2/4	5.000		47.130	
	Do Middle portion	3	2.000	2.000	5.000		60.000	
	Small Circular Pier	3	3.140	1.5*1.5/4	5.000		26.494	
	Brace between piers	3*1	4.880	0.400	0.400		2.343	
	Haunch	3*4	0.400	0.50*0.3	0.300		0.216	
	Abutment - End counterfort	2*2	4.600	0.500	5.000		46.000	
	Middle counterfort	2*4	(4.6+1.86) /2*5		0.500		64.600	
	stem	2	13.000	1.200	5.000		156.000	
	Deduct for grooves	8	0.600	0.600	5.000		-14.399	
	Total Quantity						402.783 cum	
	Total Deducted Quantity						-14.399 cum	
	Net Total Quantity						388.384 cum	
	Say 388.384 cum @ Rs 8560.45 / cum						<b>Rs 3324741.81</b>	
13	13.5.F.q.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M25 - With Batching Plant, Transit Mixer and Concrete Pump - Height 5m to 10m							
	Pier for shutter circular portion	3	3.140	2*2/4	2.620		24.681	
	Do Middle portion	3	2.000	2.000	2.620		31.440	
	Raised pier	3	2.000	2.000	4.700		56.401	
	Small Circular Pier	3	3.140	1.5*1.5/4	2.620		13.883	
	Shutter Operation Pier above Abutment	2	1.200	2.000	3.900		18.720	
	Pier Cap	3	9.500	2.000	1.200		68.400	
	Abutment - End counterfort	2*2	4.600	0.500	3.420		31.464	
	Middle counterfort	2*4	3.42*1.86/ 2	5.000	0.500		63.612	
	stem	2	13.000	1.200	3.420		106.704	

	Cut Water Portion	3	(1/3)	3.14*1*1	1.000		3.140		
	Tapered Portion on top	3*2	0.600	.25/2	2.000		0.900		
	Additional Portion in top	3*2	0.400	0.250	2.000		1.201		
	Dirt wall-Horizontal leg	1	9.770	1.200	0.400		4.690		
	Dirt wall-Vertical leg	1	9.770	1.550	0.400		6.058		
	Deduction for Groves	8	0.600	0.600	7.320		-21.081		
	Total Quantity							431.294 cum	
	Total Deducted Quantity							-21.081 cum	
	Net Total Quantity							410.213 cum	
	Say 410.213 cum @ Rs 8840.60 / cum							<b>Rs 3626529.05</b>	
14	od228930/2020_2021 Furnishing and Placing RCC Grade M40 in super-structures Using Batching Plant, Transit Mixer and Concrete Pump as per drawing and Technical Specification.  Height 5m to 10m as per MORTH 13.5.H.q.2								
	For Footpath	4*25	1.340	0.600	0.100		8.041		
	For Kerb K1	4*1	15.100	0.475	0.275		7.890		
	Kerb K2	4*1	15.100	0.375	0.275		6.229		
	Kerb K3	4*1	15.100	0.225	0.275		3.738		
	For kerb	4*2	15.100	0.075	0.100		-0.905		
	Total Quantity							25.898 cum	
	Total Deducted Quantity							-0.905 cum	
	Net Total Quantity							24.993 cum	
	Say 24.993 cum @ Rs 7107.17 / cum							<b>Rs 177629.50</b>	
15	od228931/2020_2021 Furnishing and Placing RCC Grade M40 Using Batching Plant, Transit Mixer and Concrete Pump as per drawing and Technical Specification. For T-beam & slab - Height 5m to 10m as per MORTH 14.1D.2.2.C								
	Deck slab	4*1	14.000	9.770	0.225		123.102		
	End diaphragm	4*6	2.200	0.300	0.650		10.297		
	Girder top trapezoidal	4*4	13.600	0.3+0.5	0.10/2		8.704		
	do center portion	4*4	13.600	0.300	0.720		47.002		
	do bottom trapezoidal	4*4	13.600	0.3+0.5	0.15/2		13.057		
	do bottom rectangle	4*4	13.600	0.500	0.200		21.760		

	pedestal	4*8	0.600	0.600	0.300		3.456		
	Total Quantity						227.378 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						227.378 cum		
	Say 227.378 cum @ Rs 8498.31 / cum							<b>Rs 1932328.73</b>	
16	55.25 Lifting, conveying and fixing the newly casted RCC covering slabs of any thickness on top of drain in position including all labour charges and miscellaneous expenses etc complete								
	For Footpath	4*25	1.340	0.600	0.100		8.041		
	Total Quantity						8.041 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						8.041 cum		
	Say 8.041 cum @ Rs 1837.94 / cum							<b>Rs 14778.88</b>	
17	14.9 Drainage Spouts complete as per drawing and Technical specification								
		4*9					36.000		
	Total Quantity						36.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						36.000 no		
	Say 36.000 no @ Rs 4513.00 / no							<b>Rs 162468.00</b>	
18	od73204/2019_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								
	Concrete Pile ( Item No : 7)	1	912.900	3.14*1.2*1 .2/4		0.1	103.195		
	Total Quantity						103.195 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						103.195 MT		
	Say 103.195 MT @ Rs 91566.73 / MT							<b>Rs 9449228.70</b>	
19	od73202/2019_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 13.6 of MORTH specifications								
	Apron	1067.6				0.01	7.474		
	Cut off Wall	61.92				0.12	7.431		



	weir between piers	58.801				0.01	0.589		
	pile cap for piers	242.190				0.12	29.063		
	pile cap for abutments	327.6				0.15	49.140		
	Total Quantity						93.697 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						93.697 MT		
	Say 93.697 MT @ Rs 91842.80 / MT						<b>Rs 8605394.83</b>		
20	od241904/2020_2021 Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in substructure complete as per Drawing and Technical Specifications and as per 13.6 of MORTH specifications								
	item no:12	388.384				0.15	58.258		
	Total Quantity						58.258 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						58.258 MT		
	Say 58.258 MT @ Rs 91842.80 / MT						<b>Rs 5350577.84</b>		
21	od73207/2019_2020 Construction of RCC railing of M40 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 MORTH 14.7								
	Handrail for deckslab	2	54.000			1.100	118.801		
	Total Quantity						118.801 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						118.801 metre		
	Say 118.801 metre @ Rs 1933.80 / metre						<b>Rs 229737.37</b>		
22	od73209/2019_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								
	Deck slab & girder	220.850				0.15	33.128		
	foot path & kerb	24.993				0.15	3.749		
	item no:13	410.213				0.15	61.532		
	Total Quantity						98.409 MT		
	Total Deducted Quantity						0.000 MT		
	Net Total Quantity						98.409 MT		

	Say 98.409 MT @ Rs 93877.07 / MT						<b>Rs 9238348.58</b>	
23	od333518/2020_2021 Providing and laying Cement concrete wearing coat M-30 grade including reinforcement complete as per drawing and Technical Specifications. 							
	Wearing coat for bridge	4	14.000	7.500	0.050		21.000	
	Total Quantity						21.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						21.000 cum	
	Say 21.000 cum @ Rs 14448.87 / cum						<b>Rs 303426.27</b>	
24	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.							
	Behind abutment	2	14-(5*0.6)	0.750	8.420		138.930	
	Total Quantity						138.930 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						138.930 cum	
	Say 138.930 cum @ Rs 3117.99 / cum						<b>Rs 433182.35</b>	
25	od73212/2019_2020 Sand Filling in Foundation Trenches as per Drawing & Technical Specification using available sand							
	Apron centre portion	1	51.600	3.500	0.400		72.240	
	solid apron-U/s	1	51.600	8.000	0.400		165.120	
	solid apron-D/S	1	51.600	3.500	0.400		72.240	
	Deduct pile cap	3	11.500	3.900	0.400		-53.820	
	Total Quantity						309.600 cum	
	Total Deducted Quantity						-53.820 cum	
	Net Total Quantity						255.780 cum	
	Say 255.780 cum @ Rs 198.03 / cum						<b>Rs 50652.11</b>	
26	od73213/2019_2020 Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012,MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of ± 2%) Zinc+PVC coated, Mesh wire diameter2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter							

	2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.							
	For filling inside gabion boxes							
	D/S side	1	54.000	8.000	1.000		432.000	
	U/S side	1	54.000	3.000	1.000		162.000	
	Total Quantity						594.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						594.000 cum	
	Say 594.000 cum @ Rs 3461.99 / cum						<b>Rs 2056422.06</b>	
27	od73214/2019_2020 Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorised representative ensuring compliance to the manufacturer's instructions for installation (14.22) 							
	For bridge	5	9.770				48.850	
	Total Quantity						48.850 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						48.850 metre	
	Say 48.850 metre @ Rs 9970.65 / metre						<b>Rs 487066.25</b>	
28	13.14 Supplying, fitting and fixing in position true to line and level elastomeric bearing conforming to IRC: 83 (Part-II) section IX and clause 2005 of MoRTH specifications complete including all accessories as per drawing and Technical Specifications.							
	For Bridge	4*8	40.000	40.000	10.000		512000.00 0	
	Total Quantity						512000.000 Cum cm	
	Total Deducted Quantity						0.000 Cum cm	
	Net Total Quantity						512000.000 Cum cm	
	Say 512000.000 Cum cm @ Rs 0.88 / Cum cm						<b>Rs 450560.00</b>	
29	od73221/2019_2020 Supply and fixing 50mm dia (12kgf/cm <sup>2</sup> ) and 65 cm long PVC down water pipe along the sides of the deck slab at 5m c/c for drainage spout including cost conveyance of all materials and cutting charges and fixing etc complete as per the direction of the departmental officers at site.							
	deckslab	36	0.650				23.401	
	Total Quantity						23.401 metre	
	Total Deducted Quantity						0.000 metre	

	Net Total Quantity						23.401 metre	
	Say 23.401 metre @ Rs 82.15 / metre						<b>Rs 1922.39</b>	
30	od73222/2019_2020 Supplying and fixing 75mm dia (10kgf/cm <sup>2</sup> ) PVC perforated vertical pipe for drain out uplift water along the check dam and pierr portion of 2m c/c including cost and conveyance charges for making perforation including cost of reduced T and fixing charges as per direction of departmental officers at site							
	Main slab	1	3.100	3.500			10.850	
		2	3.100	4.000			24.800	
	Slab projection	1	31.800	1.000			31.800	
	Slab sides	1	34.200		0.1		3.421	
		1					0.000	
	Total Quantity						70.871 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						70.871 metre	
	Say 70.871 metre @ Rs 488.40 / metre						<b>Rs 34613.40</b>	
31	od73203/2019_2020 Supply and fixing 110mm dia (10kgf/cm <sup>2</sup> ) PVC perforated horizontal pipe for drain out uplift water from vertical perforated pipe along the checkdam and pier portion and for Weep Holes including cost and conveyance, cutting charges and fixing charges as per the direction of departmental officers at site							
	for drain out uplift water from vertical perforated pipe along the checkdam and pier portion	1	200.000				200.000	
	for Weep holes	1	300.000				300.000	
	Total Quantity						500.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						500.000 metre	
	Say 500.000 metre @ Rs 280.50 / metre						<b>Rs 140250.00</b>	
32	14.16 Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 sqm.							
	Abutments	2	19.400		8.420		326.696	
	Circular Columns	3	3.14*1.5		7.620		107.671	
	Piers P1 to P3	3	12.680		7.620		289.865	
	Pier cap -bottom	3	8.000	1.500			36.000	

	Pier cap -side	3	22.000		1.200		79.200		
	Shutter piers	5	8.000		5.700		228.000		
	For operating platform handrail end	4*4	0.800		1.200		15.360		
	Middle handrail	4*10*2	0.600		1.200		57.600		
	Cross	4*22*2	1.200		0.600		126.720		
	super structure								
	Girder side	4*4*2	14.700		1.170		550.368		
	End diaphragm	4*6*2	2.200		0.650		68.641		
	Deck slab bottom	4	15.100	9.770			590.108		
	do outside	4	15.100		0.225		13.590		
	Kerb out side	4*2	15.100		0.275		33.220		
	Kerb carriage way	4*2	15.100		0.225		27.180		
	Kerb foot path	4*2	15.100		0.275		33.220		
	do top	4*1	15.100		0.475+0.375+0.225		64.930		
	Hand rail vertical	4*20	2*(0.265+0.2)		1.100		81.840		
	Hand rail horizontal	4*2*27	2*(0.165+0.135)		1.400		181.441		
	pedestal	4*8	2*(0.6+0.6)		0.300		23.040		
	bearing	4*8	2*(0.4+0.4)		0.100		5.121		
	Total Quantity							2939.811 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							2939.811 sqm	
	Say 2939.811 sqm @ Rs 210.68 / sqm							<b>Rs 619359.38</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
<b>3 Appendix C- Approach road (MoRTH)</b>									
1	3.18 Construction of sub-grade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2								
	To poolakkadavu side	1	130.000	7.700	0.500		500.500		

	To parambil basar side	1	160.000	7.700	0.500		616.000		
	Total Quantity						1116.500 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1116.500 cum		
	Say 1116.500 cum @ Rs 413.30 / cum							<b>Rs 461449.45</b>	
2	<p>4.1.A.1 Construction of granular sub-base by providing graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 Grading-I - Plant Mix Method</p>								
	To poolakkadavu side	1	130.000	7.700	0.150		150.150		
	To parambil basar side	1	160.000	7.700	0.150		184.800		
	Total Quantity						334.950 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						334.950 cum		
	Say 334.950 cum @ Rs 2938.67 / cum							<b>Rs 984307.52</b>	
3	<p>4.12 Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.</p>								
	To poolakkadavu side	1	130.000	7.700	0.250		250.250		
	To parambil basar side	1	160.000	7.700	0.250		308.000		
	Total Quantity						558.250 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						558.250 cum		
	Say 558.250 cum @ Rs 2855.85 / cum							<b>Rs 1594278.26</b>	
4	<p>5.4.2a Dense Graded Bituminous Macadam :- For Grading II (26.5 mm nominal size) Providing and laying dense graded bituminous macadam with 80-100 TPH HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder (VG 30) @ 4.0 to 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per</p>								

	MoRTH specification clause No. 505 complete in all respects.							
	To poolakkadavu side	1	130.000	7.700	0.050		50.051	
	To parambil basar side	1	160.000	7.700	0.050		61.600	
	Total Quantity						111.651 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						111.651 cum	
	Say 111.651 cum @ Rs 8370.13 / cum						<b>Rs 934533.38</b>	
5	<p>5.6.2.a</p> <p>Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder (NRMB) @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects Grading - II (13.2 mm Nominal Size)</p>							
	To poolakkadavu side	1	130.000	7.500	0.030		29.250	
	To parambil basar side	1	160.000	7.500	0.030		36.000	
	Total Quantity						65.250 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						65.250 cum	
	Say 65.250 cum @ Rs 10786.91 / cum						<b>Rs 703845.88</b>	
6	<p>8.13</p> <p>Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads on Bituminous Surface @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.</p>							
	To poolakkadavu side	1	130.000	0.150			19.500	
	To parambil basar side	1	160.000	0.150			24.000	
	Total Quantity						43.500 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						43.500 sqm	
	Say 43.500 sqm @ Rs 502.53 / sqm						<b>Rs 21860.06</b>	
7	<p>8.5</p> <p>Providing and fixing of direction and place identification retro-reflectorised sign with 7 years warranty manufactured as per IRC :67 made of Type IV micro prismatic grade sheeting fixed over aluminium</p>							

	sheeting, 2 mm thick/ aluminium composit material sheeting 4 mm thick with area not exceeding 0.9 sqm, with suitable back supporting frame of MS angle 40x40x6 and supported on GI pipe pole 50mm NB confirming to IS 1239 firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete min size 45 cm x 45 cm x 60 cm, 60 cm below ground level including painting all exposed surface with 2 coats of epoxy painting over epoxy primer and as per approved drawing and clause 801 including lettering symbols etc.							
		2	1.200	0.900			2.160	
	Total Quantity						2.160 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.160 sqm	
	Say 2.160 sqm @ Rs 7884.99 / sqm						<b>Rs 17031.58</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>4 Appendix D-Electrical work</b>								
1	od269638/2019_2020 Supplying, installation, testing & commissioning of cubical type LT panel board of suitable size for 415V, 3 phase, 4 Wire 50 Hz AC supply system having a provision of cable end termination chambers suitable for single run of 3.5 X 70 Sq.mm size cable and single run of 3.5x35sq.mm cable for incomer switches and fabricated in compartmentalized design from CRCA sheet steel of 2mm thick for frame work and covers complete with powder coating in approved shade, having suitable capacity TPN Copper bus bars, base frame of MS channel 75mm x 40 mm size, panel shall have common copper earth bar of size 25mm x 3mm in entire width of the board with 2 Nos. earth stud, cable alleys, removable gland plates, including providing following switch gears and as required. Main Panel: Incomer: 100A, 25 kA (Ics=100%Icu), 4 pole, current limiting type MCCB having thermal setting range of 80 - 100% with thermal magnetic release having adjustable OL - 2nos. With following accessories: Castle key inter lock between incomers. Earth fault module with in built CBCT for KSEB incomer. Phase indication lamps controlled by 2A MCBs - 2 set. Bus Bar: 100Amps TPN Copper busbars, colour coded with heat shrinkable insulation sleeves (after derating). Out goings: 32A TPN MCB- 6nos.							
	od269638/2019_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 45956.49 / each						<b>Rs 45956.49</b>	
2	od269655/2019_2020 Supply, conveyance, installation, testing and commissioning of 20KVA/16KW D.G. set incorporating "CUMINS" Model X3.TAA-G2 Diesel Engine developing 32BHP at 1500rpm, Water cooled, 4cylinders, Coupled, ALternator rated at 16kw/20KVA, 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.  							
	od269655/2019_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 330050.00 / each						<b>Rs 330050.00</b>	
3	90.12.41.33 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured copper power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp							
	90.12.41.33	250					250.000	
	Total Quantity						250.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						250.000 metre	
	Say 250.000 metre @ Rs 626.32 / metre						<b>Rs 156580.00</b>	
4	90.12.41.21 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured copper power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3.5 core 35 sq mm with factory made clamp							
	90.12.41.21	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 1612.45 / metre						<b>Rs 32249.00</b>	
5	90.12.41.23 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured copper power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3.5 core 70 sq mm							
	90.12.41.23	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 3073.21 / metre						<b>Rs 30732.10</b>	
6	90.12.37.23 Supply & laying of one number PVC insulated and PVC sheathed armoured copper power cable of 1.1KV grade of the following sizes in ground including excavation of trench of size 35 x 75 cm, refilling the trench etc. as required but excluding sand cushioning and protective covering (in ordinary soil).3.5 core 70 sq mm							

	90.12.37.23	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 3211.20 / metre						<b>Rs 160560.00</b>	
7	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	10					10.000	
	Total Quantity						10.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						10.000 set	
	Say 10.000 set @ Rs 266.05 / set						<b>Rs 2660.50</b>	
8	9.1.21 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 35 sq. mm (32mm)							
	9.1.21	4					4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 369.59 / set						<b>Rs 1478.36</b>	
9	9.1.23 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 70 sq. mm (38mm)							
	9.1.23	3					3.000	
	Total Quantity						3.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						3.000 set	
	Say 3.000 set @ Rs 516.38 / set						<b>Rs 1549.14</b>	
10	9.2.20 Supplying and making outdoor end termination with cast resin compound including aluminium lugs and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2 X 70 sq. mm							

	9.2.20	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 1010.47 / each						<b>Rs 1010.47</b>	
11	<p>4.1.1  Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts &amp; nuts, painting suspenders etc as required. 100 mm width X 50 mm depth X 1.6 mm thickness</p>							
	4.1.1	40					40.000	
	Total Quantity						40.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						40.000 metre	
	Say 40.000 metre @ Rs 456.09 / metre						<b>Rs 18243.60</b>	
12	<p>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 &amp; nuts, painting suspenders etc as required. 225 mm width X 50 mm depth X 1.6 mm thickness</p>							
	4.1.3	35					35.000	
	Total Quantity						35.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						35.000 metre	
	Say 35.000 metre @ Rs 602.88 / metre						<b>Rs 21100.80</b>	
13	<p>5.4  Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.</p>							
	5.4	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 5670.97 / set						<b>Rs 28354.85</b>	
14	<p>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</p>							

	required.						
	5.13	30					30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 238.53 / metre						<b>Rs 7155.90</b>
15	5.19 Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.						
	5.19	150					150.000
	Total Quantity						150.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						150.000 metre
	Say 150.000 metre @ Rs 95.67 / metre						<b>Rs 14350.50</b>
16	5.14 Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.						
	5.14	3					3.000
	Total Quantity						3.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						3.000 metre
	Say 3.000 metre @ Rs 914.80 / metre						<b>Rs 2744.40</b>
17	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	150					150.000
	Total Quantity						150.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						150.000 metre
	Say 150.000 metre @ Rs 169.07 / metre						<b>Rs 25360.50</b>
18	od271056/2019_2020 Supply and fixing 100A TPN SDF in sheet steel enclosure on wall using suitable steel fastners.						
	od271056/2019_2020	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each

	Say 1.000 each @ Rs 5430.36 / each						<b>Rs 5430.36</b>	
19	od271057/2019_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.							
	od271057/2019_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 4814.18 / each						<b>Rs 4814.18</b>	
20	od271058/2019_2020 Supply and fixing the following accessories in the existing meter board and giving connections etc.100A HRC fuse base with fuse link							
	od271058/2019_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 467.51 / each						<b>Rs 1402.53</b>	
21	od271059/2019_2020 100 A, 415 V, 2 way neutral link mounted on DMC/ SMC base.							
	od271059/2019_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 295.25 / each						<b>Rs 295.25</b>	
22	od271063/2019_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							
	od271063/2019_2020	6					6.000	
	Total Quantity						6.000 per metre	
	Total Deducted Quantity						0.000 per metre	
	Net Total Quantity						6.000 per metre	
	Say 6.000 per metre @ Rs 1169.65 / per metre						<b>Rs 7017.90</b>	

23	90.12.9.5 Supplying, laying and jointing of the following sizes of double wall corrugated (DWC) pipes made out of HDPE conforming to IS 14930 Part II for mechanical protection to underground power cables with all required accessories in ground in the existing trench 90/75 mm or nearest size						
	90.12.9.5	150					150.000
	Total Quantity						150.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						150.000 metre
	Say 150.000 metre @ Rs 237.62 / metre						<b>Rs 35643.00</b>
24	od271066/2019_2020 Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red with primer coat of red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wall bracket filled with fine sand, painting the bracket/ floor stand including making good the damages, colour washing etc. as required.(MR)						
	od271066/2019_2020	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 156.00 / each						<b>Rs 312.00</b>
25	od271067/2019_2020 Supply and providing 2.5mm thick, 11KV grade, synthetic elastometric fire retardant insulating sheet						
	od271067/2019_2020	5					5.000
	Total Quantity						5.000 sqm of door area
	Total Deducted Quantity						0.000 sqm of door area
	Net Total Quantity						5.000 sqm of door area
	Say 5.000 sqm of door area @ Rs 1669.07 / sqm of door area						<b>Rs 8345.35</b>
26	od271068/2019_2020 Supply, installing, testing and commissioning of Fire Extinguisher dry chemical powder type ISI mark, 5 kg capacity with initial charger and installation brackets. Make - Safex / Warrior / Intime						
	od271068/2019_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 2200.95 / each						<b>Rs 4401.90</b>

27	od271069/2019_2020 Supply of 11KV electrical gloves (Vidyut)						
	od271069/2019_2020	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 579.59 / each						<b>Rs 1159.18</b>
28	od271070/2019_2020 Supply of Bosch professional tool kit (GSB550)						
	od271070/2019_2020	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 5517.13 / each						<b>Rs 5517.13</b>
29	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	4					4.000
	Total Quantity						4.000 point
	Total Deducted Quantity						0.000 point
	Net Total Quantity						4.000 point
	Say 4.000 point @ Rs 992.12 / point						<b>Rs 3968.48</b>
30	1.12 Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single corecable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulatedcopper conductor single core cable for loop earthing as required.						
	1.12	25					25.000
	Total Quantity						25.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						25.000 metre
	Say 25.000 metre @ Rs 220.18 / metre						<b>Rs 5504.50</b>
31	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	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 377.45 / each						<b>Rs 377.45</b>	
32	1.33	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.						
	1.33	4					4.000	
	Total Quantity						4.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						4.000	each
	Say 4.000 each @ Rs 60.29 / each						<b>Rs 241.16</b>	
33	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	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 410.22 / each						<b>Rs 410.22</b>	
34	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.						
	1.32	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 532.10 / each						<b>Rs 532.10</b>	
35	90.3.20.3	Supply & installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required. 1200 mm 1X20W LED Lamp with box type						



	fixture							
	90.3.20.3	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 1206.50 / each						<b>Rs 3619.50</b>	
36	90.11.1.10 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - three phase double cover (IP 42/43)							
	90.11.1.10	1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 2759.17 / each						<b>Rs 2759.17</b>	
37	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	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 1167.74 / each						<b>Rs 1167.74</b>	
38	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 2792.89 / each						<b>Rs 2792.89</b>	
39	2.10.1							

	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole							
	2.10.1	12					12.000	
	Total Quantity						12.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						12.000 each	
	Say 12.000 each @ Rs 226.73 / each						<b>Rs 2720.76</b>	
40	od271072/2019_2020 Towards deposit with KSEB for drawing of electric line, setting up of transformer, other deposits etc.							
	od271072/2019_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 581450.00 / each						<b>Rs 581450.00</b>	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
<b>5 Appendix E- Side protection of rivers</b>								
1	od66263/2020_2021 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge.All kinds of soil 							
	Side Protection U/S Left bank(0 to 50m)	1	50.000	6.000	7.000		2100.000	
	Side Protection U/S Left bank(50 to 200m)	1	150.000	5.500	6.000		4950.000	
	Side Protection U/S Right bank(0 to 50m)	1	50.000	6.000	7.000		2100.000	
	Side Protection U/S Right bank(50 to 200m)	1	150.000	5.500	6.000		4950.000	
	Side Protection D/S Left Bank	1	100.000	5.000	5.500		2750.000	
	Side Protection D/S Right Bank	1	100.000	5.000	5.500		2750.000	
	Total Quantity						19600.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						19600.000 cum	

	Say 19600.000 cum @ Rs 175.14 / cum						<b>Rs 3432744.00</b>	
2	<p>2.3.1.B Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness In area of thorny jungle -By Manual Means</p>							
	Side Protection U/S Left bank(0 to 50m)	1	50.000	6.000		0.0	0.003	
	Side Protection U/S Left bank(50 to 200m)	1	150.000	5.500		0.0	0.009	
	Side Protection U/S right bank(0 to 50m)	1	50.000	6.000		0.0	0.003	
	Side Protection U/S right bank(50 to 200m)	1	150.000	5.500		0.0	0.009	
	Side Protection D/S Left Bank	1	100.000	5.000		0.0	0.005	
	Side Protection D/S Right Bank	1	100.000	5.000		0.0	0.005	
	Total Quantity						0.034 Hecter	
	Total Deducted Quantity						0.000 Hecter	
	Net Total Quantity						0.034 Hecter	
	Say 0.034 Hecter @ Rs 133923.87 / Hecter						<b>Rs 4553.41</b>	
3	<p>od66264/2020_2021 Bailing out water using pump above 5 HP and Up to 10 HP-Bailing out water with engine and pump set above 5HP and up to 10HP, including conveyance to site and erection, cost of fuel, lubrication oil and other stores, pay of staff etc complete</p>							
		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 317.74 / hour						<b>Rs 158870.00</b>	
4	<p>12.8.F.1.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications PCC Grade M30 - Using Concrete Mixer</p>							

	Side Protection U/S Left bank(0 to 50m)	1	50.000	6.000	0.800		240.000		
	Side Protection U/S Left bank(50 to 200m)	1	150.000	5.500	0.800		660.000		
	Side Protection U/S right bank(0 to 50m)	1	50.000	6.000	0.800		240.000		
	Side Protection U/S right bank(50 to 200m)	1	150.000	5.500	0.800		660.000		
	Side Protection D/S Left Bank	1	100.000	5.000	0.600		300.000		
	Side Protection D/S Right Bank	1	100.000	5.000	0.600		300.000		
	Total Quantity						2400.000 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						2400.000 cum		
	Say 2400.000 cum @ Rs 8829.87 / cum						<b>Rs 21191688.00</b>		
5	13.5.G.p.2 Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications RCC Grade M30 - Height upto 5m - using Batching Plant, Transit Mixer and Concrete Pump								
	Side Protection U/S Left bank(0 to 50m)	1	50.000	(.7+.4)/2	6.200		170.501		
	Side Protection U/S Left bank(50 to 200m)	1	150.000	(.7+.4)/2	5.200		429.000		
	Side Protection U/S right bank(0 to 50m)	1	50.000	(.7+.4)/2	6.200		170.501		
	Side Protection U/S right bank(50 to 200m)	1	150.000	(.7+.4)/2	5.200		429.000		
	Side Protection D/S Left Bank	1	100.000	(.7+.4)/2	4.900		269.501		
	Side Protection D/S Right Bank	1	100.000	(.7+.4)/2	4.900		269.501		
	Total Quantity						1738.004 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1738.004 cum		
	Say 1738.004 cum @ Rs 8599.02 / cum						<b>Rs 14945131.16</b>		
6	od66265/2020_2021								

	Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in Foundation complete as per Drawing and Technical Specifications and as per 12.40 of MORTH specification 							
	Side Protection U/S Left bank(0 to 50m)	1	50.000	6.000	0.800	0.04	9.600	
	Side Protection U/S Left bank(50 to 200m)	1	150.000	5.500	0.800	0.04	26.401	
	Side Protection U/S right bank(0 to 50m)	1	50.000	6.000	0.800	0.04	9.600	
	Side Protection U/S right bank(50 to 200m)	1	150.000	5.500	0.800	0.04	26.401	
	Side Protection D/S Left Bank	1	100.000	5.000	0.600	0.04	12.000	
	Side Protection D/S Right Bank	1	100.000	5.000	0.600	0.04	12.000	
	Total Quantity						96.002 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						96.002 MT	
	Say 96.002 MT @ Rs 91566.73 / MT						<b>Rs 8790589.21</b>	
7	od66267/2020_2021 Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in Sub structure complete as per Drawing and Technical Specifications and as per 13.6 of MORTH specifications 							
	Side Protection U/S Left bank(0 to 50m)	1	50.000	(.7+.4)/2	6.200	0.04	6.821	
	Side Protection U/S Left bank(50 to 200m)	1	150.000	(.7+.4)/2	5.200	0.04	17.160	
	Side Protection U/S right bank(0 to 50m)	1	50.000	(.7+.4)/2	6.200	0.04	6.821	
	Side Protection U/S right bank(50 to 200m)	1	150.000	(.7+.4)/2	5.200	0.04	17.160	
	Side Protection D/S Left Bank	1	100.000	(.7+.4)/2	4.900	0.04	10.781	
	Side Protection D/S Right Bank	1	100.000	(.7+.4)/2	4.900	0.04	10.781	
	Total Quantity						69.524 MT	

							Total Deducted Quantity	0.000 MT
							Net Total Quantity	69.524 MT
							Say 69.524 MT @ Rs 91842.80 / MT	<b>Rs 6385278.83</b>
8	od66268/2020_2021 PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.							
		1	500.000				500.000	
							Total Quantity	500.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	500.000 metre
							Say 500.000 metre @ Rs 127.44 / metre	<b>Rs 63720.00</b>
Sl No	Description	No	L	B	D	CF	Quantity	Remark
<b>6 Appendix F-Approach Road and Bank connection</b>								
1	2.3.2.A Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness In area of light jungle - By Mechanical Means							
	left bank	1	125.050	15.000		0.0	0.188	
	right bank	1	169.665	15.000		0.0	0.255	
							Total Quantity	0.443 Hecter
							Total Deducted Quantity	0.000 Hecter
							Net Total Quantity	0.443 Hecter
							Say 0.443 Hecter @ Rs 52614.61 / Hecter	<b>Rs 23308.27</b>
2	od66263/2020_2021 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas exceeding 30 cm in depth, including disposal of excavated earth, with all lead and lift, disposed earth to be levelled and neatly dressed and as directed by Engineer in charge.All kinds of soil							
	left bank for counterfort	2	62.500	4.100	0.800		410.000	
	left bank cc wall	2	62.500	1.900	0.600		142.500	
	right bank for counterfort	2	84.500	4.100	0.800		554.320	
	right bank cc wall	2	84.500	1.900	0.600		192.660	
							Total Quantity	1299.480 cum

							Total Deducted Quantity	0.000 cum
							Net Total Quantity	1299.480 cum
							Say 1299.480 cum @ Rs 175.14 / cum	<b>Rs 227590.93</b>
3	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15							
	levelling course for cc wall left side	2	62.500	2.100	0.100		26.250	
	levelling course for cc wall right side	2	84.500	2.100	0.100		35.490	
	foundation for cc wall left side	2	62.500	1.900	0.500		118.750	
	foundation for cc wall right side	2	84.500	1.900	0.500		160.550	
							Total Quantity	341.040 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	341.040 cum
							Say 341.040 cum @ Rs 7504.48 / cum	<b>Rs 2559327.86</b>
4	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							
	left bank counterfort foundation	2	62.500	4.100	0.800		410.000	
	right bank counterfort foundation	2	84.500	4.100	0.800		554.320	
							Total Quantity	964.320 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	964.320 cum
							Say 964.320 cum @ Rs 8074.06 / cum	<b>Rs 7785977.54</b>
5	13.5.A Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M15 - Height upto 5m							
	left bank cc wall	2	62.500	(1.3+.3)/2	3.000		300.000	
	right bank cc wall	2	84.500	(1.3+.3)/2	3.000		405.600	
							Total Quantity	705.600 cum

	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						705.600 cum	
	Say 705.600 cum @ Rs 7937.43 / cum						<b>Rs 5600650.61</b>	
6	13.5.B Plain/Reinforced Cement Concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M20 - Height upto 5m							
	left bank counterfort	2*21	(.5*2.7*6)		0.300		102.060	
	right bank countefort	2*28	(.5*2.7*6)		0.300		136.080	
	left bank stem	2	62.500	0.400	6.000		300.000	
	right bank stem	2	84.500	0.400	6.000		405.600	
	Total Quantity						943.740 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						943.740 cum	
	Say 943.740 cum @ Rs 8708.35 / cum						<b>Rs 8218418.23</b>	
7	od244803/2020_2021 Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in Foundation complete as per Drawing and Technical Specifications and as per 14.2 of MORTH specification 							
	item no:3	341.040			0.040		13.642	
	item no:4	964.32			0.160		154.292	
	Total Quantity						167.934 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						167.934 MT	
	Say 167.934 MT @ Rs 93877.07 / MT						<b>Rs 15765151.87</b>	
8	od241904/2020_2021 Supply, Fitting and Placing Fusion bonded epoxy coated(confirm to IS 13620-1993) HYSD bar or TMT Reinforcement in substructure complete as per Drawing and Technical Specifications and as per 13.6 of MORTH specifications							
	item no:5	705.60			0.04		28.224	
	item no:6	943.740			0.15		141.561	
	Total Quantity						169.785 MT	
	Total Deducted Quantity						0.000 MT	
	Net Total Quantity						169.785 MT	
	Say 169.785 MT @ Rs 91842.80 / MT						<b>Rs 15593529.80</b>	
9	od244806/2020_2021							



PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.								
		1	350.000				350.000	
Total Quantity							350.000 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							350.000 metre	
Say 350.000 metre @ Rs 127.44 / metre							<b>Rs 44604.00</b>	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
<b>7 Appendix G-1 Fabrication ,Supply &amp; Erection of MS &amp; SS embedded parts( 4)Nos of shutter)</b>								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
Vertical Gates- 12.65x2.5 (4nos) Secondary Embedded Parts								
	Plate 16mm - Wheel track base-web	2*4	8.870	0.200	0.016	7850.0	1782.516	
	Plate 16mm - Wheel track base-flange	4*4	8.870	0.200	0.016	7850.0	3565.031	
	Wheel track Stiffener Plate -10mm Plate	36*4	0.200	0.092	0.010	7850.0	207.994	
	guide track-web-20mm Plate	2*4	8.870	0.120	0.020	7850.0	1336.887	
	sill track base-Alignment plate-10mm plate	26*4	0.300	0.100	0.010	7850.0	244.920	
	sill track Stiffener Plate-8mm Plate	24*4	0.225	0.060	0.008	7850.0	81.389	
	Sill- Corner plate1-8mm Plate	2*4	0.160	0.120	0.008	7850.0	9.647	
	Sill- Corner plate2-8mm Plate	2*4	0.237	0.180	0.008	7850.0	21.433	
	Guide Fixing plate-10mm Plate	36*4	0.150	0.100	0.010	7850.0	169.560	
	8mm Plate- Seal track	36*4	0.470	0.100	0.008	7850.0	425.031	
	Bottom Plate Corner-8mm Plate	2*4	0.140	0.090	0.008	7850.0	6.331	
	Plate for Seal- 8mm	2*4	0.229	0.145	0.008	7850.0	16.683	
Vertical Gates- 12.65x2.5 (4nos) Primary Embedded Parts								

	Anchoring plate- Primary-wheel track	36*4	0.200	0.100	0.010	7850.0	226.081		
	Anchoring plate- Primary-wheel track	18*4	0.100	0.100	0.010	7850.0	56.521		
	Anchoring plate- Primary-guide track	36*4	0.150	0.100	0.010	7850.0	169.560		
	Anchoring plate- Primary-sill beam	26*4	0.300	0.100	0.010	7850.0	244.920		
	Anchoring plate- Primary-Seal track	72*4	0.100	0.100	0.010	7850.0	226.081		
	Plate for dogging beam	4*4	0.400	0.400	0.012	7850.0	241.153		
	Total Quantity						9031.738 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						9031.738 kg		
	Say 9031.738 kg @ Rs 64.18 / kg						<b>Rs 579656.94</b>		
2	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B including cost of conveyance charges								
	Other Engineering Organisations Primary & Secondary Embedded Parts								
	ISA 75x75x6	18*4	0.080			6.8	39.168		
	angle for Alignment - Sill- ISA35x35x6	1*4	12.900			3.0	154.800		
	Angle for Alignment - Roller Track - IS A 35 x 35 x 6	2*4	8.870			3.0	212.880		
	Angle for Alignment - Roller Track - SIDE ISA35x35x6	2*4	8.870			3.0	212.880		
	Angle for Alignment - Seal Track side- ISA35x35x6	4*4	8.870			3.0	425.760		
	Angle for Alignment - Guide Track side- ISA35x35x6	2*4	8.870			3.0	212.880		
	ISA 130x130x10- Seal track base	2*4	8.870			19.7	1397.912		

	ISA for sill - ISA 80x80x8	2*4	0.150			9.6	11.520		
	Sill Beam- ISMB 250x125	1*4	12.900			37.3	1924.680		
	Total Quantity						4592.480 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						4592.480 kg		
	Say 4592.480 kg @ Rs 66.13 / kg						<b>Rs 303700.70</b>		
3	85.107 Supply of MS round bar including cost of conveyance charges								
	Embedded parts								
	Wheel track base- Secondary Alignment rod,ISRO 16	72*4	0.165			1.58	74.987		
	Wheel track base- ( s i d e ) - S e c o n d a r y Alignment rod,ISRO 16	18*4	0.115			1.58	13.066		
	guide track base- Secondary Alignment rod,ISRO 16	72*4	0.110			1.58	49.992		
	sill track base- Secondary Alignment rod,ISRO 16	52*4	0.170			1.58	55.799		
	vertical seal track b a s e - S e c o n d a r y Alignment rod 1,ISRO 16	36*4	0.125			1.58	28.404		
	vertical seal track b a s e - S e c o n d a r y Alignment rod 2,ISRO 16	36*4	0.315			1.58	71.579		
	Primary anchor rod for base plates-dia 16mm	286*4	0.310			1.58	559.622		
	anchor rod- dogging beam- dia 16mm	16*4	0.350			1.58	35.348		
	Total Quantity						888.797 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						888.797 kg		

	Say 888.797 kg @ Rs 64.18 / kg						<b>Rs 57042.99</b>	
4	od325333/2020_2021 Supply of MS Bolts and Nuts							
	Nut -M16							
	Nut -M16	572*4				0.04	91.520	
	Total Quantity						91.520 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						91.520 kg	
	Say 91.520 kg @ Rs 77.77 / kg						<b>Rs 7117.51</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							
	Vertical Gates- 12.65x2.5 (4nos) Primary Embedded Parts							
	Anchoring plate- Primary-wheel track	36*4	0.200	0.100	0.010	7850.0	226.081	
	Anchoring plate- Primary-wheel track	18*4	0.100	0.100	0.010	7850.0	56.521	
	Anchoring plate- Primary-guide track	36*4	0.150	0.100	0.010	7850.0	169.560	
	Anchoring plate- Primary-sill beam	26*4	0.300	0.100	0.010	7850.0	244.920	
	Anchoring plate- Primary-Seal track	72*4	0.100	0.100	0.010	7850.0	226.081	
	Plate for dogging beam	4*4	0.400	0.400	0.012	7850.0	241.153	
	Embedded parts							
	Wheel track base- Secondary Alignment rod,ISRO 16	72*4	0.165			1.58	74.987	
	Wheel track base- ( s i d e ) - S e c o n d a r y Alignment rod,ISRO 16	18*4	0.115			1.58	13.066	
	guide track base- Secondary Alignment rod,ISRO 16	72*4	0.110			1.58	49.992	

sill track base - Secondary Alignment rod, ISRO 16	52*4	0.170			1.58	55.799	
vertical seal track base - Secondary Alignment rod 1, ISRO 16	36*4	0.125			1.58	28.404	
vertical seal track base - Secondary Alignment rod 2, ISRO 16	36*4	0.315			1.58	71.579	
Primary anchor rod for base plates-dia 16mm	286*4	0.310			1.58	559.622	
anchor rod- dogging beam- dia 16mm	16*4	0.350			1.58	35.348	
Primary & Secondary Embedded Parts							
ISA 75x75x6	18*4	0.080			6.8	39.168	
angle for Alignment - Sill- ISA35x35x6	1*4	12.900			3.0	154.800	
Angle for Alignment - Roller Track - ISA 35 x 35 x 6	2*4	8.870			3.0	212.880	
Angle for Alignment - Roller Track - SIDE ISA35x35x6	2*4	8.870			3.0	212.880	
Angle for Alignment - Seal Track side- ISA35x35x6	4*4	8.870			3.0	425.760	
Angle for Alignment - Guide Track side- ISA35x35x6	2*4	8.870			3.0	212.880	
ISA 130x130x10- Seal track base	2*4	8.870			19.7	1397.912	
ISA for sill - ISA 80x80x8	2*4	0.150			9.6	11.520	
Sill Beam- ISMB 250x125	1*4	12.900			37.3	1924.680	
Vertical Gates- 12.65x2.5 (4nos) Secondary Embedded Parts							

	Plate 16mm - Wheel track base-web	2*4	8.870	0.200	0.016	7850.0	1782.516		
	Plate 16mm - Wheel track base-flange	4*4	8.870	0.200	0.016	7850.0	3565.031		
	Wheel track Stiffener Plate -10mm Plate	36*4	0.200	0.092	0.010	7850.0	207.994		
	guide track-web-20mm Plate	2*4	8.870	0.120	0.020	7850.0	1336.887		
	sill track base - Alignment plate-10mm plate	26*4	0.300	0.100	0.010	7850.0	244.920		
	sill track Stiffener Plate-8mm Plate	24*4	0.225	0.060	0.008	7850.0	81.389		
	Sill- Corner plate1-8mm Plate	2*4	0.160	0.120	0.008	7850.0	9.647		
	Sill- Corner plate2-8mm Plate	2*4	0.237	0.180	0.008	7850.0	21.433		
	Guide Fixing plate-10mm Plate	36*4	0.150	0.100	0.010	7850.0	169.560		
	8mm Plate- Seal track	36*4	0.470	0.100	0.008	7850.0	425.031		
	Bottom Plate Corner-8mm Plate	2*4	0.140	0.090	0.008	7850.0	6.331		
	Plate for Seal- 8mm	2*4	0.229	0.145	0.008	7850.0	16.683		
	Total Quantity						14513.015 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						14513.015 kg		
	Say 14513.015 kg @ Rs 75.59 / kg						<b>Rs 1097038.80</b>		
6	od325605/2020_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								
	SS embedded parts								
	Track -for Wheel 12mm SS-304 plate	2*4	8.870	0.100	0.012	7850.0	668.444		
	Seal track vertical 80x8mm SS-304 flat	2*4	8.870	0.080	0.008	7850.0	356.504		

	Sill beam pad 140x8mm SS-304 flat	1*4	12.800	0.140	0.008	7850.0	450.151	
	side seal bottom with sill beam	2*4	0.150	0.090	0.008	7850.0	6.783	
	Total Quantity						1481.882 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1481.882 kg	
	Say 1481.882 kg @ Rs 488.03 / kg						<b>Rs 723202.87</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>8 Appendix G-2 Supply of materials, fabrication, painting and erection of 4No of MS shutter.</b>								
1	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	Skin Plate & End Box- Shutter							
	Skin plate	1*4	12.650	2.500	0.010	7850.0	9930.251	
	End box	4*4	2.500	0.510	0.010	7850.0	1601.400	
	End box stiffener	16*4	0.510	0.110	0.010	7850.0	281.847	
	Box stiffener	4*4	0.250	0.110	0.010	7850.0	34.540	
	Cover Plate	4*4	0.160	0.140	0.010	7850.0	28.135	
	Eccentric plate-Dia 140	4*4	0.140	0.140	0.020	7850.0	49.236	
	Pad plate( outer) for roller	4*4	0.140	0.070	0.010	7850.0	12.309	
	Pad plate( inner)	4*4	0.160	0.140	0.010	7850.0	28.135	
	Horizontal Girder							
	Plate for Girder- Web	2*4	12.370	1.200	0.010	7850.0	9322.032	
	Plate for Girder- Flange	2*4	12.840	0.200	0.010	7850.0	1612.705	
	Plate 2- for Web	28*4	1.050	0.090	0.010	7850.0	830.844	
	Vertical Stiffener							
	Full depth Stiffener- 1(Top)	3*4	1.200	0.819	0.010	7850.0	925.798	
	Full depth Stiffener-2 (Middle)	3*4	1.200	1.140	0.010	7850.0	1288.656	
	Full depth Stiffener-3 (Middle-below lifting)	2*4	1.200	1.130	0.010	7850.0	851.568	

Full depth Stiffener-4 (Bottom)	5*4	1.200	0.490	0.010	7850.0	923.160	
Vertical Stiffener (Top)	26*4	0.819	0.150	0.010	7850.0	1002.948	
Vertical Stiffener (Middle)	26*4	1.140	0.150	0.010	7850.0	1396.044	
Vertical Stiffener (Bottom)	26*4	0.490	0.150	0.010	7850.0	600.054	
Full depth stiffener flange	5*4	0.950	0.150	0.010	7850.0	223.725	
Seal Assembly							
Plate for Seal fixing-1	2*4	2.415	0.105	0.020	7850.0	318.491	
Plate for Seal fixing-2	2*4	0.090	0.105	0.006	7850.0	3.561	
Bottom Seal Clamp	1*4	11.762	0.080	0.010	7850.0	295.462	
Bottom seal support	1*4	11.762	0.020	0.020	7850.0	147.731	
Side Guide							
Side guide fixing plate	4*4	0.200	0.200	0.012	7850.0	60.289	
guide wheel plate-1	8*4	0.210	0.093	0.010	7850.0	49.060	
guide wheel plate-2	4*4	0.116	0.068	0.030	7850.0	29.722	
Supporting Plate	4*4	0.150	0.040	0.040	7850.0	30.145	
Pulley							
Plates for pulley bracket	4*4	0.760	0.300	0.016	7850.0	458.189	
Lock Plate	8*4	0.120	0.050	0.010	7850.0	15.073	
Spacer (ID-92,OD-185)-8mm thick	4*4	0.185	0.185	0.008	7850.0	34.390	
Pulley bracket-Stiffener 1	4*4	0.580	0.790	0.010	7850.0	575.500	
Pulley bracket-Stiffener 2	4*4	0.580	0.270	0.010	7850.0	196.690	
Dogging beam- MS plate							
Flange Plate- Dogging beam	4*4	1.450	0.120	0.016	7850.0	349.671	
Web plate- Dogging beam	4*4	1.450	0.200	0.016	7850.0	582.784	
Plate - End	4*4	0.220	0.100	0.016	7850.0	44.212	
Cross support- inside	12*4	0.200	0.088	0.012	7850.0	79.581	



						Total Quantity	34213.938 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	34213.938 kg	
						Say 34213.938 kg @ Rs 64.18 / kg	<b>Rs 2195850.54</b>	
2	85.102	Supply of MS Tees, Angles, Joists, ISMB, ISMC confirming to IS2062GrA/B including cost of conveyance charges						
		Dogging beam						
	Side support for beam-ISA 75x75x8	8*4	0.232			8.9	66.074	
		Shutter						
	Top Horizontal Bracing ISMC -150x75	1*4	12.370			16.4	811.472	
	For Vertical stiffener ISA-75x75x8	4*4	1.140			8.9	162.336	
	Seal Assembly-ISA 75x75x8	2*4	2.500			8.9	178.000	
						Total Quantity	1217.882 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	1217.882 kg	
						Say 1217.882 kg @ Rs 66.13 / kg	<b>Rs 80538.54</b>	
3	od330486/2020_2021	:Supply of MS Bolts and Nuts						
		Skin Plate and End Box						
	Nut and Bolts (M16)-40 LG	28*4				0.12	13.440	
	Nut and Bolts (M16)-30 LG	16*4				0.1	6.400	
	Nut and Bolts (M16)-80 LG -For Seal assebmlly	66*4				0.18	47.520	
	Nut and Bolts (M16)-60 LG -For Seal assebmlly	146*4				0.15	87.600	
	Nut and Bolts (M16)-40 LG -For side guide	16*4				0.12	7.680	

	Nut and Bolts (M16)- 30 LG-Pulley	16*4				0.1	6.400	
	Total Quantity						169.040 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						169.040 kg	
	Say 169.040 kg @ Rs 77.77 / kg						<b>Rs 13146.24</b>	
4	85.107 Supply of MS round bar including cost of conveyance charges							
	Dogging Beam-4 no's shutters							
	End hook-16mm Dia	4*4	0.305			1.57	7.662	
	Total Quantity						7.662 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						7.662 kg	
	Say 7.662 kg @ Rs 64.18 / kg						<b>Rs 491.75</b>	
5	85.110 Fabrication and supply of Structural steel wheel gate and accessories as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, all leads and lifts, incidental and handling charges etc complete but excluding cost of material already supplied							
	Skin Plate & End Box- Shutter							
	Skin plate	1*4	12.650	2.500	0.010	7850.0	9930.251	
	End box	4*4	2.500	0.510	0.010	7850.0	1601.400	
	End box stiffener	16*4	0.510	0.110	0.010	7850.0	281.847	
	Box stiffener	4*4	0.250	0.110	0.010	7850.0	34.540	
	Cover Plate	4*4	0.160	0.140	0.010	7850.0	28.135	
	Eccentric plate-Dia 140	4*4	0.140	0.140	0.020	7850.0	49.236	
	Pad plate( outer) for roller	4*4	0.140	0.070	0.010	7850.0	12.309	
	Pad plate( inner)	4*4	0.160	0.140	0.010	7850.0	28.135	
	Horizontal Girder							
	Plate for Girder- Web	2*4	12.370	1.200	0.010	7850.0	9322.032	
	Plate for Girder- Flange	2*4	12.840	0.200	0.010	7850.0	1612.705	
	Plate 2- for Web	28*4	1.050	0.090	0.010	7850.0	830.844	
	Vertical Stiffener							

Full depth Stiffener-1(Top)	3*4	1.200	0.819	0.010	7850.0	925.798	
Full depth Stiffener-2(Middle)	3*4	1.200	1.140	0.010	7850.0	1288.656	
Full depth Stiffener-3(Middle-below lifting)	2*4	1.200	1.130	0.010	7850.0	851.568	
Full depth Stiffener-4(Bottom)	5*4	1.200	0.490	0.010	7850.0	923.160	
Vertical Stiffener (Top)	26*4	0.819	0.150	0.010	7850.0	1002.948	
Vertical Stiffener (Middle)	26*4	1.140	0.150	0.010	7850.0	1396.044	
Vertical Stiffener (Bottom)	26*4	0.490	0.150	0.010	7850.0	600.054	
Full depth stiffener flange	5*4	0.950	0.150	0.010	7850.0	223.725	
Seal Assembly							
Plate for Seal fixing-1	2*4	2.415	0.105	0.020	7850.0	318.491	
Plate for Seal fixing-2	2*4	0.090	0.105	0.006	7850.0	3.561	
Bottom Seal Clamp	1*4	11.762	0.080	0.010	7850.0	295.462	
Bottom seal support	1*4	11.762	0.020	0.020	7850.0	147.731	
Side Guide							
Side guide fixing plate	4*4	0.200	0.200	0.012	7850.0	60.289	
guide wheel plate-1	8*4	0.210	0.093	0.010	7850.0	49.060	
guide wheel plate-2	4*4	0.116	0.068	0.030	7850.0	29.722	
Supporting Plate	4*4	0.150	0.040	0.040	7850.0	30.145	
Pulley							
Plates for pulley bracket	4*4	0.760	0.300	0.016	7850.0	458.189	
Lock Plate	8*4	0.120	0.050	0.010	7850.0	15.073	
Spacer (ID-92,OD-185)-8mm thick	4*4	0.185	0.185	0.008	7850.0	34.390	
Pulley bracket-Stiffener 1	4*4	0.580	0.790	0.010	7850.0	575.500	
Pulley bracket-Stiffener 2	4*4	0.580	0.270	0.010	7850.0	196.690	
Dogging beam- MS plate							

	Flange Plate- Dogging beam	4*4	1.450	0.120	0.016	7850.0	349.671		
	Web plate- Dogging beam	4*4	1.450	0.200	0.016	7850.0	582.784		
	Plate - End	4*4	0.220	0.100	0.016	7850.0	44.212		
	Cross support- inside	12*4	0.200	0.088	0.012	7850.0	79.581		
	Dogging beam								
	Side support for beam-ISA 75x75x8	8*4	0.232			8.9	66.074		
	Shutter								
	Top Horizontal Bracing ISMC -150x75	1*4	12.370			16.4	811.472		
	For Vertical stiffener ISA-75x75x8	4*4	1.140			8.9	162.336		
	Seal Assembly-ISA 75x75x8	2*4	2.500			8.9	178.000		
	Total Quantity						35431.820 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						35431.820 kg		
	Say 35431.820 kg @ Rs 62.86 / kg						<b>Rs 2227244.21</b>		
6	<p>85.113  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 on dry 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 350 microns over the grit blasted and cleaned surface to class A standard of IS14177 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 department officers at site</p>								
	Skin Plate & End Box- Shutter								
	Skin plate	1*4	12.650	2.500		2.0	253.000		
	End box	4*4	2.500	0.510		2.0	40.800		
	End box stiffener	16*4	0.510	0.110		2.0	7.181		
	Box stiffener	4*4	0.250	0.110		2.0	0.880		
	Cover Plate	4*4	0.160	0.140		2.0	0.717		
	Eccentric plate-Dia 140	4*4	0.140	0.140		2.0	0.628		

Pad plate( outer) for roller	4*4	0.140	0.070		2.0	0.314	
Pad plate( inner)	4*4	0.160	0.140		2.0	0.717	
Horizontal Girder							
Plate for Girder- Web	2*4	12.370	1.200		2.0	237.504	
Plate for Girder- Flange	2*4	12.840	0.200		2.0	41.088	
Plate 2- for Web	28*4	1.050	0.090		2.0	21.168	
Vertical Stiffener							
Full depth Stiffener-1(Top)	3*4	1.200	0.819		2.0	23.588	
Full depth Stiffener-2 (Middle)	3*4	1.200	1.140		2.0	32.832	
Full depth Stiffener-3 (Middle-below lifting)	2*4	1.200	1.130		2.0	21.696	
Full depth Stiffener-4 (Bottom)	5*4	1.200	0.490		2.0	23.520	
Vertical Stiffener (Top)	26*4	0.819	0.150		2.0	25.553	
Vertical Stiffener (Middle)	26*4	1.140	0.150		2.0	35.568	
Vertical Stiffener (Bottom)	26*4	0.490	0.150		2.0	15.288	
Full depth stiffener flange	5*4	0.950	0.150		2.0	5.700	
Seal Assembly							
Plate for Seal fixing-1	2*4	2.415	0.105		2.0	4.058	
Plate for Seal fixing-2	2*4	0.090	0.105		2.0	0.152	
Bottom Seal Clamp	1*4	11.762	0.080		2.0	7.528	
Bottom seal support	1*4	11.762	0.020		2.0	1.882	
Side Guide							
Side guide fixing plate	4*4	0.200	0.200		2.0	1.281	
guide wheel plate-1	8*4	0.210	0.093		2.0	1.250	
guide wheel plate-2	4*4	0.116	0.068		2.0	0.253	
Supporting Plate	4*4	0.150	0.040		2.0	0.192	
Pulley							

	Plates for pulley bracket	4*4	0.760	0.300		2.0	7.296		
	Lock Plate	8*4	0.120	0.050		2.0	0.384		
	Spacer (ID-92,OD-185)-8mm thick	4*4	0.185	0.185		2.0	1.096		
	Pulleybracket-Stiffener1	4*4	0.580	0.790		2.0	14.663		
	Pulleybracket-Stiffener2	4*4	0.580	0.270		2.0	5.012		
	Dogging beam- MS plate								
	Flange Plate- Dogging beam	4*4	1.450	0.120		2.0	5.568		
	Web plate- Dogging beam	4*4	1.450	0.200		2.0	9.280		
	Plate - End	4*4	0.220	0.100		2.0	0.705		
	Cross support- inside	12*4	0.200	0.088		2.0	1.690		
	Dogging beam								
	Side support for beam-ISA 75x75x8	8*4	0.232			0.3	2.228		
	Other Engineering Organisations								
	Top Horizontal Bracing ISMC -150x75	1*4	12.370			0.6	29.688		
	For Vertical stiffener ISA-75x75x8	4*4	1.140			0.3	5.472		
	Seal Assembly-ISA 75x75x8	2*4	2.500			0.3	6.000		
	Total Quantity						893.420 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						893.420 sqm		
	Say 893.420 sqm @ Rs 1058.89 / sqm						<b>Rs 946033.50</b>		
7	85.111 Erection of the gates safely in the grooves , assembling and aligning including cost of all machinery, labour all incidental and conveyance charges etc complete as per direction of departmental officer at site								
	Skin Plate & End Box- Shutter								
	Skin plate	1*4	12.650	2.500	0.010	7850.0	9930.251		
	End box	4*4	2.500	0.510	0.010	7850.0	1601.400		

End box stiffener	16*4	0.510	0.110	0.010	7850.0	281.847	
Box stiffener	4*4	0.250	0.110	0.010	7850.0	34.540	
Cover Plate	4*4	0.160	0.140	0.010	7850.0	28.135	
Eccentric plate-Dia 140	4*4	0.140	0.140	0.020	7850.0	49.236	
Pad plate( outer) for roller	4*4	0.140	0.070	0.010	7850.0	12.309	
Pad plate( inner)	4*4	0.160	0.140	0.010	7850.0	28.135	
Horizontal Girder							
Plate for Girder- Web	2*4	12.370	1.200	0.010	7850.0	9322.032	
Plate for Girder- Flange	2*4	12.840	0.200	0.010	7850.0	1612.705	
Plate 2- for Web	28*4	1.050	0.090	0.010	7850.0	830.844	
Vertical Stiffener							
Full depth Stiffener-1(Top)	3*4	1.200	0.819	0.010	7850.0	925.798	
Full depth Stiffener-2(Middle)	3*4	1.200	1.140	0.010	7850.0	1288.656	
Full depth Stiffener-3(Middle-below lifting)	2*4	1.200	1.130	0.010	7850.0	851.568	
Full depth Stiffener-4(Bottom)	5*4	1.200	0.490	0.010	7850.0	923.160	
Vertical Stiffener (Top)	26*4	0.819	0.150	0.010	7850.0	1002.948	
Vertical Stiffener (Middle)	26*4	1.140	0.150	0.010	7850.0	1396.044	
Vertical Stiffener (Bottom)	26*4	0.490	0.150	0.010	7850.0	600.054	
Full depth stiffener flange	5*4	0.950	0.150	0.010	7850.0	223.725	
Seal Assembly							
Plate for Seal fixing-1	2*4	2.415	0.105	0.020	7850.0	318.491	
Plate for Seal fixing-2	2*4	0.090	0.105	0.006	7850.0	3.561	
Bottom Seal Clamp	1*4	11.762	0.080	0.010	7850.0	295.462	
Bottom seal support	1*4	11.762	0.020	0.020	7850.0	147.731	
Side Guide							
Side guide fixing plate	4*4	0.200	0.200	0.012	7850.0	60.289	

	guide wheel plate-1	8*4	0.210	0.093	0.010	7850.0	49.060	
	guide wheel plate-2	4*4	0.116	0.068	0.030	7850.0	29.722	
	Supporting Plate	4*4	0.150	0.040	0.040	7850.0	30.145	
	Pulley							
	Plates for pulley bracket	4*4	0.760	0.300	0.016	7850.0	458.189	
	Lock Plate	8*4	0.120	0.050	0.010	7850.0	15.073	
	Spacer (ID-92,OD-185)-8mm thick	4*4	0.185	0.185	0.008	7850.0	34.390	
	Pulleybracket-Stiffener1	4*4	0.580	0.790	0.010	7850.0	575.500	
	Pulleybracket-Stiffener2	4*4	0.580	0.270	0.010	7850.0	196.690	
	Dogging beam- MS plate							
	Flange Plate- Dogging beam	4*4	1.450	0.120	0.016	7850.0	349.671	
	Web plate- Dogging beam	4*4	1.450	0.200	0.016	7850.0	582.784	
	Plate - End	4*4	0.220	0.100	0.016	7850.0	44.212	
	Cross support- inside	12*4	0.200	0.088	0.012	7850.0	79.581	
	Dogging beam							
	Side support for beam-ISA 75x75x8	8*4	0.232			8.9	66.074	
	Shutter							
	Top Horizontal Bracing ISMC -150x75	1*4	12.370			16.4	811.472	
	For Vertical stiffener ISA-75x75x8	4*4	1.140			8.9	162.336	
	Seal Assembly-ISA 75x75x8	2*4	2.500			8.9	178.000	
	Skin Plate and End Box							
	Nut and Bolts (M16)-40 LG	28*4				0.12	13.440	
	Nut and Bolts (M16)-30 LG	16*4				0.1	6.400	



	Nut and Bolts (M16)- 80 LG -For Seal assembly	66*4				0.18	47.520		
	Nut and Bolts (M16)- 60 LG -For Seal assembly	146*4				0.15	87.600		
	Nut and Bolts (M16)- 40 LG -For side guide	16*4				0.12	7.680		
	Nut and Bolts (M16)- 30 LG-Pulley	16*4				0.1	6.400		
	Dogging Beam-4 no's shutters								
	End hook-16mm Dia	4*4	0.305			1.57	7.662		
	Total Quantity							35608.522 kg	
	Total Deducted Quantity							0.000 kg	
	Net Total Quantity							35608.522 kg	
	Say 35608.522 kg @ Rs 6.09 / kg							<b>Rs 216855.90</b>	
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
<b>9 Appendix G-3 Supplying and fixing of rubber seals</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								
	Flat rubber seals								
	Flat type rubber seals	1*4	11.976				47.904		
	Total Quantity							47.904 metre	
	Total Deducted Quantity							0.000 metre	
	Net Total Quantity							47.904 metre	
	Say 47.904 metre @ Rs 1905.10 / metre							<b>Rs 91261.91</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								
	Vertical Seal								
	Angular type rubber seal	2*4	2.500				20.000		
	Total Quantity							20.000 metre	
	Total Deducted Quantity							0.000 metre	

SI No	Description	No	L	B	D	CF	Quantity	Remark
Net Total Quantity							20.000 metre	
Say 20.000 metre @ Rs 2971.20 / metre							<b>Rs 59424.00</b>	
<b>10 Appendix G-4 Supplying and fixing of roller assembly</b>								
1	od331296/2020_2021 Supplying and fixing cast steel thrust roller assembly having 250mm Dia, 60mm tread width, SS(304) shaft and 22214E self aligning spherical roller bearing and accessories as per approved specifications and drawings including cost of all materials, machineries, labour , all lift and lead, incidental and conveyance charges etc complete							
Roller wheels								
	Dia 250mm thrust roller assembly	4*4					16.000	
Total Quantity							16.000 no	
Total Deducted Quantity							0.000 no	
Net Total Quantity							16.000 no	
Say 16.000 no @ Rs 26887.59 / no							<b>Rs 430201.44</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>11 Appendix G-5 Supply of materials, fabrication, painting and erection of hoisting bridge, covers and frames of driving units &amp; rope drum for shutter</b>								
1	85.103 Supply of MS chequered plates including cost of conveyance charges							
Hoisting platform								
	MS chequered plate 6mm-1	2*4	3.320	2.030		49.2	2652.707	
	MS chequered plate 6mm-2	4*4	0.935	0.745		49.2	548.344	
	MS chequered plate 6mm-3	2*4	0.820	0.300		49.2	96.826	
	MS chequered plate 6mm-4	2*4	0.880	0.445		49.2	154.134	
	MS chequered plate 6mm-5	1*4	2.030	2.080		49.2	830.969	
	MS chequered plate 6mm-6	1*4	2.030	1.840		49.2	735.088	
	MS chequered plate 6mm-Catwalk	1*4	14.220	0.365		49.2	1021.452	
step for ladder								

	MS chequered plate 6mm	18*2	1.340	0.300		49.2	712.023	
	Total Quantity						6751.543 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						6751.543 kg	
	Say 6751.543 kg @ Rs 73.33 / kg						<b>Rs 495090.65</b>	
2	85.101 Supply of MS plates confirming to IS 2062GrB including cost of conveyance charges							
	Hoisting Bridge-MS Plates							
	Longitudinal Girder flange -16mm MS Plate	4*4	14.220	0.150	0.016	7850.0	4286.477	
	Longitudinal Girder web -10mm MS Plate	2*4	14.220	1.200	0.010	7850.0	10716.192	
	Stiffener End	16*4	1.216	0.170	0.010	7850.0	1038.562	
	Base Plate 1 -20mm MS Plate	4*4	0.450	0.360	0.020	7850.0	406.944	
	Base Plate 2 -10mm MS Plate	4*4	0.450	0.360	0.010	7850.0	203.472	
	Base Plate 3 -10mm MS Plate	8*4	0.360	0.220	0.010	7850.0	198.951	
	Plate for Pulley supporting channel	8*4	0.910	0.065	0.010	7850.0	148.585	
	Plate for motor supporting channel	4*4	1.010	0.065	0.010	7850.0	82.457	
	Plate for cross supports	26*4	1.060	0.065	0.010	7850.0	562.500	
	Plate for Web stiffener	40*4	1.200	0.065	0.010	7850.0	979.680	
	Plate for pulley block	4*4	0.792	0.550	0.016	7850.0	875.382	
	Locking plate for pulley block	8*4	0.120	0.050	0.010	7850.0	15.073	
	Spacer for pulley	4*4	0.180	0.180	0.008	7850.0	32.556	
	Plate-10mm	4*4	0.150	0.150	0.010	7850.0	28.260	
	Anchoring plate-10mm Plate	36*4	0.100	0.100	0.010	7850.0	113.041	
	Base plate for worm reducer	1*4	0.375	0.300	0.010	7850.0	35.325	

	Stiffener plate for worm reducer	4*4	0.090	0.090	0.010	7850.0	10.174	
	Supporting plate	2*4	0.135	0.100	0.010	7850.0	8.479	
	base plate-1 for brake	1*4	0.350	0.125	0.010	7850.0	13.738	
	base plate-2	4*4	0.065	0.065	0.010	7850.0	5.307	
	base plate-1 for motor	1*4	0.220	0.200	0.010	7850.0	13.817	
	Stiffener for motor base plate-1	1*4	0.100	0.054	0.010	7850.0	1.696	
	Stiffener for motor base plate-2	2*4	0.065	0.065	0.010	7850.0	2.654	
	Drive unit Cover 3.15 mm plate-1	2*4	1.355	0.965	0.00315	7850.0	258.665	
	Drive unit Cover 3.15 mm plate-2	2*4	0.965	0.820	0.00315	7850.0	156.535	
	Drive unit Cover 3.15 mm plate-3	1*4	1.400	0.820	0.00315	7850.0	113.549	
	Drum frame support-1- 20mm plate	4*4	0.460	0.350	0.020	7850.0	404.432	
	Drum frame support-2- 20mm plate	4*4	0.280	0.100	0.020	7850.0	70.337	
	Drum frame support-3- 10mm plate	2*4	0.690	0.060	0.010	7850.0	26.000	
	Drum frame support-4- 10mm plate	2*4	1.540	0.060	0.010	7850.0	58.028	
	stiffener-1- support for drum frame	8*4	0.220	0.080	0.010	7850.0	44.212	
	stiffener-2- support for drum frame	4*4	0.150	0.080	0.010	7850.0	15.073	
	stiffener-3- support for drum frame	10*4	0.226	0.130	0.010	7850.0	92.254	
	stiffener-4- support for drum frame	2*4	0.222	0.070	0.010	7850.0	9.760	
	base plate-1 for plummer block- drum	4*4	0.275	0.090	0.020	7850.0	62.172	
	base plate-2 for plummer block- drum	4*4	0.255	0.090	0.030	7850.0	86.476	
	Stiffener plate- Gear box cover	2*4	0.096	0.035	0.005	7850.0	1.056	

	Gear box cover -1 (3.15 mm sheet)	2*4	2.400	0.480	0.00315	7850.0	227.889		
	Gear box cover -2 (3.15 mm sheet)	4*4	1.455	0.675	0.00315	7850.0	388.568		
	Plate cover -3.15mm gear box	2*4	0.310	0.210	0.00315	7850.0	12.879		
	Base plate for worm reducer- dial indicator	1*4	0.450	0.300	0.008	7850.0	33.912		
	Stiffener plate-1 (Dial i n d i c a t o r - w o r m r e d u c e r )	2*4	0.150	0.185	0.010	7850.0	17.428		
	Stiffener plate-2 (Dial i n d i c a t o r - w o r m r e d u c e r )	1*4	0.150	0.170	0.010	7850.0	8.008		
	B a s e P l a t e f o r p l u m m e r b l o c k ( D i a l i n d i c a t o r )	1*4	0.260	0.090	0.010	7850.0	7.348		
	Stiffener plate (Dial i n d i c a t o r - P l u m m e r b l o c k )	2*4	0.100	0.090	0.010	7850.0	5.652		
	Support plate bottom- Dial indicator	2*4	0.236	0.210	0.010	7850.0	31.124		
	Total Quantity						21910.679 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						21910.679 kg		
	Say 21910.679 kg @ Rs 64.18 / kg						<b>Rs 1406227.38</b>		
3	85.102 Supply of MS Tees, Angles, Joists, ISMB, ISMC conforming to IS2062GrA/B including cost of conveyance charges								
	Hoisting unit - 4no's shutters								
	Frame for pulley (ISMC 300X90)	4*4	2.090			35.8	1197.152		
	Support for Drum (ISMC 200x75)	2*4	2.090			22.1	369.512		
	Support1 for Drum (ISMC 150X75)	4*4	0.670			16.4	175.808		
	Support-2 for Drum- (ISMC 150X75)	2*4	0.989			16.4	129.757		

Extension platform (ISM C 150 X 75)	14*4	0.550			16.4	505.120	
Cross support for girder (ISM C 150 X 75)	13*4	2.090			16.4	1782.352	
Support for channel (ISA 65x65x6)	40*4	0.100			5.8	92.800	
Support for handrail - bottom (ISA 65x65x6)	2*4	14.220			5.8	659.808	
Support - 1 (ISA 65 x 65 x 6)	1*4	1.500			5.8	34.800	
Handrail posts (ISA 50x50x6)	28*4	1.2500			4.5	630.000	
Support for extension channel catwalk (ISA 75x5x8)	14*4	0.150			8.9	74.760	
Cross support for Catwalk (ISA 75x75x8)	14*4	0.665			8.9	331.437	
Drive unit frame-1 (ISM C -150x75)	2*4	1.550			16.4	203.360	
Drive unit frame-2 (ISM C -150x75)	2*4	0.700			16.4	91.840	
Drive unit frame-3 (ISM C -150x75)	1*4	0.700			16.4	45.920	
Leg- Hand operating mechanism -ISA 75x75x8	4*4	0.800			8.9	113.921	
Support 1- stool Legtop- ISA 75x75x8	2*4	0.400			8.9	28.481	
Support 2- Stool Leg - ISA 75x75x8	2*4	0.500			8.9	35.600	
support for worm reducer - ISA 100 x 100 x 8	2*4	0.700			12.1	67.760	
support for brake unit- ISA 75x75x8	2*4	0.700			8.9	49.840	
support for motor- ISA 75x75x8	2*4	0.700			8.9	49.840	

support for plummer block - ISA ISA 100 x 100 x 8	1*4	0.250			12.1	12.100	
Drive unit Cover frame 1 - Bottom - ISA 35 x 35 x 6	2*4	0.840			3.0	20.160	
Drive Unit Cover frame 2- Bottom-ISA 35x35x6	2*4	0.986			3.0	23.664	
Drive Unit Cover frame 3- ISA 35x35x6	2*4	0.274			3.0	6.577	
Leg for Cover- rope drum-ISA 35x35x6	4*4	1.000			3.0	48.000	
Cover frame top-1- rope drum - ISA 35 x 35 x 6	2*4	0.770			3.0	18.480	
cover frame top-2- rope drum - ISA 35 x 35 x 6	2*4	1.400			3.0	33.600	
Top frame support rope drum - ISA 35 x 35 x 5	2*4	0.770			2.6	16.017	
Cover Frame-1- Gear box-ISA 35x35x5	4*4	2.400			2.6	99.840	
Cover Frame-2- Gear box-ISA 35x35x5	4*4	0.490			2.6	20.384	
Cover Frame-3- Gear box-ISA 35x35x5	2*4	0.836			2.6	17.389	
Cover Frame- 4 - Gear box - ISA 35 x 35 x 5	4*4	0.059			2.6	2.455	
Cover Frame- 5 - Gear box - ISA 35 x 35 x 5	2*4	0.230			2.6	4.785	
Cover Frame- 6 - Gear box - ISA 35 x 35 x 5	8*4	0.420			2.6	34.944	
Rope drum supporting frame 1- ISMC 250x80	2*4	1.540			30.4	374.528	

Rope drum supporting frame 2- ISMC 250x80	2*4	0.670			30.4	162.944	
Rope drum supporting frame 3- ISMC 250x80	2*4	0.850			30.4	206.720	
Rope drum supporting frame 4- ISMC 250x80	2*4	0.453			30.4	110.170	
Rope drum supporting frame 5- ISMC 250x80	2*4	0.770			30.4	187.264	
Rope drum supporting frame 6- ISMC 250x80	2*4	0.210			30.4	51.072	
L a d d e r s l a n d - I S M C 2 0 0 x 7 5	2*2	6.000			22.1	530.401	
Support ladder sland- ISMB 200x100	2*2	2.730			25.4	277.368	
Support ladder sland- ISMC 200x75	2*2	1.500			22.1	132.601	
Hand rail post ladder- ISA 50x50x6	10*2	1.200			4.5	108.000	
Hand rail ladder - ISA 40x40x6	4*2	9.925			3.5	277.901	
ladder Step frame 1- ISA 40x40x6	48*2	1.340			3.5	450.241	
ladder Step frame 2- ISA 40x40x6	48*2	0.300			3.5	100.800	
Hinge post - ISMC 200X75	2*2	1.200			22.1	106.080	
Gate frame vertical - ISA 50x50x6	8*2	1.200			4.5	86.400	
Gate frame horizontal ISA 50x50x6	5*2	1.500			4.5	67.500	
s u p p o r t f o r d i a l i n d i c a t o r - I S M C 1 0 0 x 5 0	2*4	0.880			9.2	64.768	
s u p p o r t f o r d i a l i n d i c a t o r n e e d l e - I S A 5 0 x 5 0 x 6	2*4	0.050			4.5	1.800	
MS Flat for Hand rail 1 - 50x8 mm	4*4	13.635	0.050	0.008	7850.0	685.023	



	MS Flat for Hand rail 2 - 50x8 mm	2*4	1.600	0.050	0.008	7850.0	40.193		
	MS Flat-1 for gear box cover 50x5 mm	4*4	0.945	0.050	0.005	7850.0	29.673		
	MS Flat-2 for gear box cover 50x5 mm	2*4	1.245	0.050	0.0050	7850.0	19.547		
	Total Quantity						11099.257 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						11099.257 kg		
	Say 11099.257 kg @ Rs 66.13 / kg						<b>Rs 733993.87</b>		
4	85.107 Supply of MS round bar including cost of conveyance charges								
	MS rods - hoisting bridge unit								
	Anchor bolt dia 25mm base plate hoisting	36*4	0.750			3.85	415.800		
	Handle for drive unit cover-16mm	2*4	0.260			1.58	3.287		
	Handle 1- for rope drum cover -16mm	4*4	0.300			1.58	7.584		
	Handle 2- for rope der -16mm drum cov	2*4	0.400			1.58	5.057		
	Handle 3- for rope drum cover -16mm	2*4	0.280			1.58	3.540		
	Total Quantity						435.268 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						435.268 kg		
	Say 435.268 kg @ Rs 64.18 / kg						<b>Rs 27935.50</b>		
5	od331683/2020_2021 Supply of MS Bolts and Nuts								
	Nut & bolts								
	Handrail - M16	84*4	0.035			0.11	1.294		
	for Locking plate- M16	16*4	0.035			0.11	0.247		
	Nut for anchor rod dia 25- M24	8*4*4	0.050			0.1	0.641		
	for drum -M16	8*4	0.100			0.21	0.672		

	for drum cover-M16	16*4	0.030			0.1	0.192		
	for EM brake fixing-M12	24*4	0.100			0.12	1.153		
	for worm reducer fixing- M30	4*4	0.135			1.14	2.463		
	for plummer block-line shaft M-16	8*4	0.135			0.26	1.124		
	Total Quantity						7.786 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						7.786 kg		
	Say 7.786 kg @ Rs 77.77 / kg						<b>Rs 605.52</b>		
6	<p>85.124 Fabrication and supply of Hoisting bridge unit in structural steel conforming to IS2062Gr including ladder, covers for hoisting unit etc as per approved specifications, drawings and directions of deptl officer at site including cost of labour, machinery, incidental and handling charges for fixing handrails and allied works etc complete but excluding material already supplied and weight of pipes for hand rails etc</p>								
	Hoisting unit - 4no's shutters								
	Frame for pulley (ISMC 300X90)	4*4	2.090			35.8	1197.152		
	Support for Drum (ISMC 200x75)	2*4	2.090			22.1	369.512		
	Support1 for Drum (ISMC 150X75)	4*4	0.670			16.4	175.808		
	Support-2 for Drum- (ISMC 150X75)	2*4	0.989			16.4	129.757		
	Extension platform (ISMC 150X75)	14*4	0.550			16.4	505.120		
	Cross support for girder (ISMC 150X75)	13*4	2.090			16.4	1782.352		
	Support for channel (ISA65x65x6)	40*4	0.100			5.8	92.800		
	Support for handrail - bottom (ISA65x65x6)	2*4	14.220			5.8	659.808		
	Support - 1 (ISA 65 x 65 x 6)	1*4	1.500			5.8	34.800		
	Handrail posts (ISA 50x50x6)	28*4	1.2500			4.5	630.000		

Support for extension channel catwalk(ISA 75x5x8)	14*4	0.150			8.9	74.760	
Cross support for Catwalk(ISA 75x75x8)	14*4	0.665			8.9	331.437	
Drive unit frame-1 (ISMC -150x75)	2*4	1.550			16.4	203.360	
Drive unit frame-2 (ISMC -150x75)	2*4	0.700			16.4	91.840	
Drive unit frame-3 (ISMC -150x75)	1*4	0.700			16.4	45.920	
Leg- Hand operating mechanism -ISA 75x75x8	4*4	0.800			8.9	113.921	
Support 1- stool Legtop- ISA 75x75x8	2*4	0.400			8.9	28.481	
Support 2- Stool Leg -ISA 75x75x8	2*4	0.500			8.9	35.600	
support for worm r e d u c e r - I S A 1 0 0 x 1 0 0 x 8	2*4	0.700			12.1	67.760	
support for brake unit-ISA 75x75x8	2*4	0.700			8.9	49.840	
support for motor- ISA 75x75x8	2*4	0.700			8.9	49.840	
support for plummer b l o c k - I S A I S A 1 0 0 x 1 0 0 x 8	1*4	0.250			12.1	12.100	
Drive unit Cover frame 1 - B o t t o m - I S A 3 5 x 3 5 x 6	2*4	0.840			3.0	20.160	
Drive Unit Cover frame 2- Bottom-ISA 35x35x6	2*4	0.986			3.0	23.664	
Drive Unit Cover frame 3- ISA 35x35x6	2*4	0.274			3.0	6.577	
Leg for Cover- rope drum-ISA 35x35x6	4*4	1.000			3.0	48.000	

Cover frame top-1- rope drum - I S A 3 5 x 3 5 x 6	2*4	0.770			3.0	18.480	
cover frame top-2- rope drum - I S A 3 5 x 3 5 x 6	2*4	1.400			3.0	33.600	
Top frame support rope drum - I S A 3 5 x 3 5 x 5	2*4	0.770			2.6	16.017	
Cover Frame-1- Gear box-ISA 35x35x5	4*4	2.400			2.6	99.840	
Cover Frame-2- Gear box-ISA 35x35x5	4*4	0.490			2.6	20.384	
Cover Frame-3- Gear box-ISA 35x35x5	2*4	0.836			2.6	17.389	
Cover Frame- 4 - Gear box - I S A 3 5 x 3 5 x 5	4*4	0.059			2.6	2.455	
Cover Frame- 5 - Gear box - I S A 3 5 x 3 5 x 5	2*4	0.230			2.6	4.785	
Cover Frame- 6 - Gear box - I S A 3 5 x 3 5 x 5	8*4	0.420			2.6	34.944	
Rope drum supporting frame 1- ISMC 250x80	2*4	1.540			30.4	374.528	
Rope drum supporting frame 2- ISMC 250x80	2*4	0.670			30.4	162.944	
Rope drum supporting frame 3- ISMC 250x80	2*4	0.850			30.4	206.720	
Rope drum supporting frame 4- ISMC 250x80	2*4	0.453			30.4	110.170	
Rope drum supporting frame 5- ISMC 250x80	2*4	0.770			30.4	187.264	
Rope drum supporting frame 6- ISMC 250x80	2*4	0.210			30.4	51.072	
Ladders land - I S M C 2 0 0 x 7 5	2*2	6.000			22.1	530.401	

Support ladder stand- ISMB 200x100	2*2	2.730				25.4	277.368	
Support ladder stand- ISMC 200x75	2*2	1.500				22.1	132.601	
Hand rail post ladder- ISA 50x50x6	10*2	1.200				4.5	108.000	
Hand rail ladder - ISA 40x40x6	4*2	9.925				3.5	277.901	
ladder Step frame 1- ISA 40x40x6	48*2	1.340				3.5	450.241	
ladder Step frame 2- ISA 40x40x6	48*2	0.300				3.5	100.800	
Hinge post - ISMC 200X75	2*2	1.200				22.1	106.080	
Gate frame vertical - ISA 50x50x6	8*2	1.200				4.5	86.400	
Gate frame horizontal ISA 50x50x6	5*2	1.500				4.5	67.500	
support for dial indicator - ISM C 100 x 50	2*4	0.880				9.2	64.768	
support for dial indicator needle-ISA 50x50x6	2*4	0.050				4.5	1.800	
MS Flat for Hand rail 1 - 50x8 mm	4*4	13.635	0.050	0.008	7850.0	685.023		
MS Flat for Hand rail 2 - 50x8 mm	2*4	1.600	0.050	0.008	7850.0	40.193		
MS Flat-1 for gear box cover 50x5 mm	4*4	0.945	0.050	0.005	7850.0	29.673		
MS Flat-2 for gear box cover 50x5 mm	2*4	1.245	0.050	0.0050	7850.0	19.547		
Hoisting Bridge-MS Plates								
Longitudinal Girder flange -16mm MS Plate	4*4	14.220	0.150	0.016	7850.0	4286.477		
Longitudinal Girder web -10mm MS Plate	2*4	14.220	1.200	0.010	7850.0	10716.192		
Stiffener End	16*4	1.216	0.170	0.010	7850.0	1038.562		

Base Plate 1 -20mm MS Plate	4*4	0.450	0.360	0.020	7850.0	406.944	
Base Plate 2 -10mm MS Plate	4*4	0.450	0.360	0.010	7850.0	203.472	
Base Plate 3 -10mm MS Plate	8*4	0.360	0.220	0.010	7850.0	198.951	
Plate for Pulley supporting channel	8*4	0.910	0.065	0.010	7850.0	148.585	
Plate for motor supporting channel	4*4	1.010	0.065	0.010	7850.0	82.457	
Plate for cross supports	26*4	1.060	0.065	0.010	7850.0	562.500	
Plate for Web stiffener	40*4	1.200	0.065	0.010	7850.0	979.680	
Plate for pulley block	4*4	0.792	0.550	0.016	7850.0	875.382	
Locking plate for pulley block	8*4	0.120	0.050	0.010	7850.0	15.073	
Spacer for pulley	4*4	0.180	0.180	0.008	7850.0	32.556	
Plate-10mm	4*4	0.150	0.150	0.010	7850.0	28.260	
Anchoring plate-10mm Plate	36*4	0.100	0.100	0.010	7850.0	113.041	
Base plate for worm reducer	1*4	0.375	0.300	0.010	7850.0	35.325	
Stiffener plate for worm reducer	4*4	0.090	0.090	0.010	7850.0	10.174	
Supporting plate	2*4	0.135	0.100	0.010	7850.0	8.479	
base plate-1 for brake	1*4	0.350	0.125	0.010	7850.0	13.738	
base plate-2	4*4	0.065	0.065	0.010	7850.0	5.307	
base plate-1 for motor	1*4	0.220	0.200	0.010	7850.0	13.817	
Stiffener for motor base plate-1	1*4	0.100	0.054	0.010	7850.0	1.696	
Stiffener for motor base plate-2	2*4	0.065	0.065	0.010	7850.0	2.654	
Drive unit Cover 3.15 mm plate-1	2*4	1.355	0.965	0.00315	7850.0	258.665	
Drive unit Cover 3.15 mm plate-2	2*4	0.965	0.820	0.00315	7850.0	156.535	

Drive unit Cover 3.15 mm plate-3	1*4	1.400	0.820	0.00315	7850.0	113.549	
Drum frame support-1- 20mm plate	4*4	0.460	0.350	0.020	7850.0	404.432	
Drum frame support-2- 20mm plate	4*4	0.280	0.100	0.020	7850.0	70.337	
Drum frame support-3- 10mm plate	2*4	0.690	0.060	0.010	7850.0	26.000	
Drum frame support-4- 10mm plate	2*4	1.540	0.060	0.010	7850.0	58.028	
stiffener-1- support for drum frame	8*4	0.220	0.080	0.010	7850.0	44.212	
stiffener-2- support for drum frame	4*4	0.150	0.080	0.010	7850.0	15.073	
stiffener-3- support for drum frame	10*4	0.226	0.130	0.010	7850.0	92.254	
stiffener-4- support for drum frame	2*4	0.222	0.070	0.010	7850.0	9.760	
base plate-1 for plummer block- drum	4*4	0.275	0.090	0.020	7850.0	62.172	
base plate-2 for plummer block- drum	4*4	0.255	0.090	0.030	7850.0	86.476	
Stiffener plate- Gear box cover	2*4	0.096	0.035	0.005	7850.0	1.056	
Gear box cover -1 (3.15 mm sheet)	2*4	2.400	0.480	0.00315	7850.0	227.889	
Gear box cover -2 (3.15 mm sheet)	4*4	1.455	0.675	0.00315	7850.0	388.568	
Plate cover -3.15mm gear box	2*4	0.310	0.210	0.00315	7850.0	12.879	
Base plate for worm reducer- dial indicator	1*4	0.450	0.300	0.008	7850.0	33.912	
Stiffener plate-1 (Dial indicator - worm reducer)	2*4	0.150	0.185	0.010	7850.0	17.428	
Stiffener plate-2 (Dial indicator - worm reducer)	1*4	0.150	0.170	0.010	7850.0	8.008	

Base Plate for plummer block (Dial indicator)	1*4	0.260	0.090	0.010	7850.0	7.348	
Stiffener plate (Dial indicator-Plummer block)	2*4	0.100	0.090	0.010	7850.0	5.652	
Support plate bottom-Dial indicator	2*4	0.236	0.210	0.010	7850.0	31.124	
Hoisting platform							
MS chequered plate 6mm-1	2*4	3.320	2.030		49.2	2652.707	
MS chequered plate 6mm-2	4*4	0.935	0.745		49.2	548.344	
MS chequered plate 6mm-3	2*4	0.820	0.300		49.2	96.826	
MS chequered plate 6mm-4	2*4	0.880	0.445		49.2	154.134	
MS chequered plate 6mm-5	1*4	2.030	2.080		49.2	830.969	
MS chequered plate 6mm-6	1*4	2.030	1.840		49.2	735.088	
MS chequered plate 6mm-Catwalk	1*4	14.220	0.365		49.2	1021.452	
step for ladder							
MS chequered plate 6mm	18*2	1.340	0.300		49.2	712.023	
MS rods - hoisting bridge unit							
Anchor bolt dia 25mm base plate hoisting	36*4	0.750			3.85	415.800	
Handle for drive unit cover-16mm	2*4	0.260			1.58	3.287	
Handle 1- for rope drum cover -16mm	4*4	0.300			1.58	7.584	
Handle 2- for rope der -16mmrum cov	2*4	0.400			1.58	5.057	
Handle 3- for rope drum cover -16mm	2*4	0.280			1.58	3.540	



	Total Quantity						40196.747 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						40196.747 kg	
	Say 40196.747 kg @ Rs 58.93 / kg						<b>Rs 2368794.30</b>	
7	od331814/2020_2021 Painting all the exposed surfaces 2 coats of enamel paint over 1 coat of zinchromate primer as per IS 1477:1994 over the grit blasted and cleaned surface to class A standard of IS 14177 including cost of all materials, labour charges, cost of testing all painting materials, all incidental charges, hire of T&P etc complete as per the direction of departmental officer at site. Enamel Paint with Grit Blasting							
	Hoisting platform							
	MS chequered plate 6mm-1	2*4	3.320	2.030		2.0	107.834	
	MS chequered plate 6mm-2	4*4	0.935	0.745		2.0	22.291	
	MS chequered plate 6mm-3	2*4	0.820	0.300		2.0	3.936	
	MS chequered plate 6mm-4	2*4	0.880	0.445		2.0	6.266	
	MS chequered plate 6mm-5	1*4	2.030	2.080		2.0	33.780	
	MS chequered plate 6mm-6	1*4	2.030	1.840		2.0	29.882	
	MS chequered plate 6mm-Catwalk	1*4	14.220	0.365		2.0	41.523	
	step for ladder							
	MS chequered plate 6mm	24*2	1.340	0.300		2.0	38.592	
	Hoisting Bridge-MS Plates							
	Longitudinal Girder flange -16mm MS Plate	4*4	14.220	0.150		2.0	68.256	
	Longitudinal Girder web -10mm MS Plate	2*4	14.220	1.200		2.0	273.024	
	Stiffener End	16*4	1.216	0.170		2.0	26.461	
	Base Plate 1 -20mm MS Plate	4*4	0.450	0.360		2.0	5.184	
	Base Plate 2 -10mm MS Plate	4*4	0.450	0.360		2.0	5.184	

Base Plate 3 -10mm MS Plate	8*4	0.360	0.220		2.0	5.069	
Plate for Pulley supporting channel	8*4	0.910	0.065		2.0	3.786	
Plate for motor supporting channel	4*4	1.010	0.065		2.0	2.101	
Plate for cross supports	26*4	1.060	0.065		2.0	14.332	
Plate for Web stiffener	40*4	1.200	0.065		2.0	24.960	
Plate for pulley block	4*4	0.792	0.550		2.0	13.940	
Locking plate for pulley block	8*4	0.120	0.050		2.0	0.384	
Spacer for pulley	4*4	0.180	0.180		2.0	1.037	
Plate-10mm	4*4	0.150	0.150		2.0	0.720	
Anchoring plate-10mm Plate	36*4	0.100	0.100		2.0	2.881	
Base plate for worm reducer	1*4	0.375	0.300		2.0	0.900	
Stiffener plate for worm reducer	4*4	0.090	0.090		2.0	0.260	
Supporting plate	2*4	0.135	0.100		2.0	0.217	
base plate-1 for brake	1*4	0.350	0.125		2.0	0.350	
base plate-2	4*4	0.065	0.065		2.0	0.136	
base plate-1 for motor	1*4	0.220	0.200		2.0	0.353	
Stiffener for motor base plate-1	1*4	0.100	0.054		2.0	0.044	
Stiffener for motor base plate-2	2*4	0.065	0.065		2.0	0.068	
Drive unit Cover 3.15 mm plate-1	2*4	1.355	0.965		2.0	20.922	
Drive unit Cover 3.15 mm plate-2	2*4	0.965	0.820		2.0	12.661	
Drive unit Cover 3.15 mm plate-3	1*4	1.400	0.820		2.0	9.184	
Drum frame support-1- 20mm plate	4*4	0.460	0.350		2.0	5.152	

Drum frame support-2- 20mm plate	4*4	0.280	0.100		2.0	0.897	
Drum frame support-3- 10mm plate	2*4	0.690	0.060		2.0	0.663	
Drum frame support-4- 10mm plate	2*4	1.540	0.060		2.0	1.479	
stiffener-1- support for drum frame	8*4	0.220	0.080		2.0	1.127	
stiffener-2- support for drum frame	4*4	0.150	0.080		2.0	0.384	
stiffener-3- support for drum frame	10*4	0.226	0.130		2.0	2.351	
stiffener-4- support for drum frame	2*4	0.222	0.070		2.0	0.249	
base plate-1 for plummer block- drum	4*4	0.275	0.090		2.0	0.792	
base plate-2 for plummer block- drum	4*4	0.255	0.090		2.0	0.735	
Stiffener plate- Gear box cover	2*4	0.096	0.035		2.0	0.054	
Gear box cover -1 (3.15 mm sheet)	2*4	2.400	0.480		2.0	18.432	
Gear box cover -2 (3.15 mm sheet)	4*4	1.455	0.675		2.0	31.429	
Plate cover -3.15mm gear box	2*4	0.310	0.210		2.0	1.042	
Base plate for worm reducer- dial indicator	1*4	0.450	0.300		2.0	1.080	
Stiffener plate-1 (Dial indicator - worm reducer)	2*4	0.150	0.185		2.0	0.444	
Stiffener plate-2 (Dial indicator - worm reducer)	1*4	0.150	0.170		2.0	0.205	
Base Plate for plummer block (Dial indicator)	1*4	0.260	0.090		2.0	0.188	

Stiffener plate (Dial indicator-Plummer block)	2*4	0.100	0.090		2.0	0.144	
Support plate bottom-Dial indicator	2*4	0.236	0.210		2.0	0.793	
Hand Rail Pipe							
Hand rails of Hoist bridge -32mm GI pipe	2*4	15.050			0.13	15.653	
Hand rails of Hoist bridge end -32mm GI pipe	1*4	4.510			0.13	2.346	
Hoisting unit - 4no's shutters							
Frame for pulley (ISMC 300X90)	4*4	2.090			0.96	32.103	
Support for Drum (ISMC 200x75)	2*4	2.090			0.7	11.704	
Support1 for Drum (ISMC 150X75)	4*4	0.670			0.6	6.432	
Support-2 for Drum-(ISMC 150X75)	2*4	0.989			0.6	4.748	
Extension platform (ISMC 150 X 75)	14*4	0.550			0.6	18.480	
Cross support for girder (ISMC 150X75)	13*4	2.090			0.6	65.208	
Support for channel (ISA65x65x6)	40*4	0.100			0.26	4.160	
Support for handrail - bottom (ISA65x65x6)	2*4	14.220			0.26	29.578	
Support - 1 (ISA 65 x 65 x 6)	1*4	1.500			0.26	1.560	
Handrail posts (ISA 50x50x6)	28*4	1.2500			0.2	28.000	
Support for extension channel catwalk (ISA 75x5x8)	14*4	0.150			0.3	2.520	
Cross support for Catwalk (ISA 75x75x8)	14*4	0.665			0.3	11.172	

Drive unit frame-1 (ISMC -150x75)	2*4	1.550			0.6	7.440	
Drive unit frame-2 (ISMC -150x75)	2*4	0.700			0.6	3.360	
Drive unit frame-3 (ISMC -150x75)	1*4	0.700			0.6	1.680	
Leg- Hand operating mechanism -ISA 75x75x8	4*4	0.800			0.3	3.840	
Support 1- stool Legtop- ISA 75x75x8	2*4	0.400			0.3	0.960	
Support 2- Stool Leg - ISA 75x75x8	2*4	0.500			0.3	1.200	
support for worm r e d u c e r - I S A 1 0 0 x 1 0 0 x 8	2*4	0.700			0.4	2.240	
support for brake unit- ISA 75x75x8	2*4	0.700			0.3	1.680	
support for motor- ISA 75x75x8	2*4	0.700			0.3	1.680	
support for plumber b l o c k - I S A I S A 1 0 0 x 1 0 0 x 8	1*4	0.250			0.4	0.400	
Drive unit Cover frame 1 - B o t t o m - I S A 3 5 x 3 5 x 6	2*4	0.840			0.14	0.941	
Drive Unit Cover frame 2- Bottom-ISA 35x35x6	2*4	0.986			0.14	1.105	
Drive Unit Cover frame 3- ISA 35x35x6	2*4	0.274			0.14	0.307	
Leg for Cover- rope drum-ISA 35x35x6	4*4	1.000			0.14	2.240	
Cover frame top-1- r o p e d r u m - I S A 3 5 x 3 5 x 6	2*4	0.770			0.14	0.863	
cover frame top-2- r o p e d r u m - I S A 3 5 x 3 5 x 6	2*4	1.400			0.14	1.568	

Top frame support rope drum - I S A 3 5 x 3 5 x 5	2*4	0.770			0.14	0.863	
Cover Frame-1- Gear box-ISA 35x35x5	4*4	2.400			0.14	5.376	
Cover Frame-2- Gear box-ISA 35x35x5	4*4	0.490			0.14	1.098	
Cover Frame-3- Gear box-ISA 35x35x5	2*4	0.836			0.14	0.937	
Cover Frame- 4 - Gear box - I S A 3 5 x 3 5 x 5	4*4	0.059			0.14	0.133	
Cover Frame- 5 - Gear box - I S A 3 5 x 3 5 x 5	2*4	0.230			0.14	0.258	
Cover Frame- 6 - Gear box - I S A 3 5 x 3 5 x 5	8*4	0.420			0.14	1.882	
Rope drum supporting frame 1- ISMC 250x80	2*4	1.540			0.82	10.103	
Rope drum supporting frame 2- ISMC 250x80	2*4	0.670			0.82	4.396	
Rope drum supporting frame 3- ISMC 250x80	2*4	0.850			0.82	5.576	
Rope drum supporting frame 4- ISMC 250x80	2*4	0.453			0.82	2.972	
Rope drum supporting frame 5- ISMC 250x80	2*4	0.770			0.82	5.052	
Rope drum supporting frame 6- ISMC 250x80	2*4	0.210			0.82	1.378	
Ladder stand - I S M C 2 0 0 x 7 5	2*2	6.000			0.7	16.800	
Support ladder stand- ISMB 200x100	2*2	2.730			0.8	8.736	
Support ladder stand- ISMC 200x75	2*2	1.500			0.7	4.200	
Hand rail post ladder- ISA 50x50x6	10*2	1.200			0.2	4.801	

	Hand rail ladder - ISA 40x40x6	4*2	9.925			0.16	12.704		
	ladder Step frame 1- ISA 40x40x6	48*2	1.340			0.16	20.583		
	ladder Step frame 2- ISA 40x40x6	48*2	0.300			0.16	4.608		
	Hinge post - ISMC 200X75	2*2	1.200			0.7	3.360		
	Gate frame vertical - ISA 50x50x6	8*2	1.200			0.2	3.840		
	Gate frame horizontal ISA 50x50x6	5*2	1.500			0.2	3.000		
	supportfordial indicator - ISMC 100 x 50	2*4	0.880			0.4	2.817		
	supportfordial indicator needle-ISA 50x50x6	2*4	0.050			0.2	0.081		
	MS Flat for Hand rail 1 - 50x8 mm	4*4	13.635	0.050		2.0	21.817		
	MS Flat for Hand rail 2 - 50x8 mm	2*4	1.600	0.050		2.0	1.281		
	MS Flat-1 for gear box cover 50x5 mm	4*4	0.945	0.050		2.0	1.512		
	MS Flat-2 for gear box cover 50x5 mm	2*4	1.245	0.050		2.0	0.997		
	Total Quantity						1260.487 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						1260.487 sqm		
	Say 1260.487 sqm @ Rs 556.86 / sqm						<b>Rs 701914.79</b>		
8	od331822/2020_2021 Supply and Fabrication of 32 mm GI Pipe for handrails								
	Hand Rail Pipe								
	Hand rails of Hoist bridge -32mm GI pipe	2*4	15.050				120.400		
	Hand rails of Hoist bridge end -32mm GI pipe	1*4	4.510				18.040		

						Total Quantity	138.440 metre	
						Total Deducted Quantity	0.000 metre	
						Net Total Quantity	138.440 metre	
						Say 138.440 metre @ Rs 232.34 / metre	<b>Rs 32165.15</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						
		Hand Rail Pipe						
	Hand rails of Hoist bridge -32mm GI pipe	2*4	15.050				120.400	
	Hand rails of Hoist bridge end -32mm GI pipe	1*4	4.510				18.040	
		MS rods - hoisting bridge unit						
	Anchor bolt dia 25mm base plate hoisting	36*4	0.750			3.85	415.800	
	Handle for drive unit cover-16mm	2*4	0.260			1.58	3.287	
	Handle 1- for rope drum cover -16mm	4*4	0.300			1.58	7.584	
	Handle 2- for rope der -16mm drum cov	2*4	0.400			1.58	5.057	
	Handle 3- for rope drum cover -16mm	2*4	0.280			1.58	3.540	
		Hoisting unit - 4no's shutters						
	Frame for pulley (ISMC 300X90)	4*4	2.090			35.8	1197.152	
	Support for Drum (ISMC 200x75)	2*4	2.090			22.1	369.512	
	Support1 for Drum (ISMC 150X75)	4*4	0.670			16.4	175.808	
	Support-2 for Drum- (ISMC 150X75)	2*4	0.989			16.4	129.757	



Extension platform (ISM C 150 X 75)	14*4	0.550			16.4	505.120	
Cross support for girder (ISM C 150 X 75)	13*4	2.090			16.4	1782.352	
Support for channel (ISA 65x65x6)	40*4	0.100			5.8	92.800	
Support for handrail - bottom (ISA 65x65x6)	2*4	14.220			5.8	659.808	
Support - 1 (ISA 65 x 65 x 6)	1*4	1.500			5.8	34.800	
Handrail posts (ISA 50x50x6)	28*4	1.2500			4.5	630.000	
Support for extension channel catwalk (ISA 75x5x8)	14*4	0.150			8.9	74.760	
Cross support for Catwalk (ISA 75x75x8)	14*4	0.665			8.9	331.437	
Drive unit frame-1 (ISM C -150x75)	2*4	1.550			16.4	203.360	
Drive unit frame-2 (ISM C -150x75)	2*4	0.700			16.4	91.840	
Drive unit frame-3 (ISM C -150x75)	1*4	0.700			16.4	45.920	
Leg- Hand operating mechanism -ISA 75x75x8	4*4	0.800			8.9	113.921	
Support 1- stool Legtop- ISA 75x75x8	2*4	0.400			8.9	28.481	
Support 2- Stool Leg - ISA 75x75x8	2*4	0.500			8.9	35.600	
support for worm reducer - ISA 100 x 100 x 8	2*4	0.700			12.1	67.760	
support for brake unit- ISA 75x75x8	2*4	0.700			8.9	49.840	
support for motor- ISA 75x75x8	2*4	0.700			8.9	49.840	

support for plummer block - ISA ISA 100 x 100 x 8	1*4	0.250			12.1	12.100	
Drive unit Cover frame 1 - Bottom - ISA 35 x 35 x 6	2*4	0.840			3.0	20.160	
Drive Unit Cover frame 2- Bottom-ISA 35x35x6	2*4	0.986			3.0	23.664	
Drive Unit Cover frame 3- ISA 35x35x6	2*4	0.274			3.0	6.577	
Leg for Cover- rope drum-ISA 35x35x6	4*4	1.000			3.0	48.000	
Cover frame top-1- rope drum - ISA 35 x 35 x 6	2*4	0.770			3.0	18.480	
cover frame top-2- rope drum - ISA 35 x 35 x 6	2*4	1.400			3.0	33.600	
Top frame support rope drum - ISA 35 x 35 x 5	2*4	0.770			2.6	16.017	
Cover Frame-1- Gear box-ISA 35x35x5	4*4	2.400			2.6	99.840	
Cover Frame-2- Gear box-ISA 35x35x5	4*4	0.490			2.6	20.384	
Cover Frame-3- Gear box-ISA 35x35x5	2*4	0.836			2.6	17.389	
Cover Frame- 4 - Gear box - ISA 35 x 35 x 5	4*4	0.059			2.6	2.455	
Cover Frame- 5 - Gear box - ISA 35 x 35 x 5	2*4	0.230			2.6	4.785	
Cover Frame- 6 - Gear box - ISA 35 x 35 x 5	8*4	0.420			2.6	34.944	
Rope drum supporting frame 1- ISMC 250x80	2*4	1.540			30.4	374.528	

Rope drum supporting frame 2- ISMC 250x80	2*4	0.670			30.4	162.944	
Rope drum supporting frame 3- ISMC 250x80	2*4	0.850			30.4	206.720	
Rope drum supporting frame 4- ISMC 250x80	2*4	0.453			30.4	110.170	
Rope drum supporting frame 5- ISMC 250x80	2*4	0.770			30.4	187.264	
Rope drum supporting frame 6- ISMC 250x80	2*4	0.210			30.4	51.072	
L a d d e r s l a n d - I S M C 2 0 0 x 7 5	2*2	6.000			22.1	530.401	
Support ladder sland- ISMB 200x100	2*2	2.730			25.4	277.368	
Support ladder sland- ISMC 200x75	2*2	1.500			22.1	132.601	
Hand rail post ladder- ISA 50x50x6	10*2	1.200			4.5	108.000	
Hand rail ladder - ISA 40x40x6	4*2	9.925			3.5	277.901	
ladder Step frame 1- ISA 40x40x6	48*2	1.340			3.5	450.241	
ladder Step frame 2- ISA 40x40x6	48*2	0.300			3.5	100.800	
Hinge post - ISMC 200X75	2*2	1.200			22.1	106.080	
Gate frame vertical - ISA 50x50x6	8*2	1.200			4.5	86.400	
Gate frame horizontal ISA 50x50x6	5*2	1.500			4.5	67.500	
s u p p o r t f o r d i a l i n d i c a t o r - I S M C 1 0 0 x 5 0	2*4	0.880			9.2	64.768	
s u p p o r t f o r d i a l i n d i c a t o r n e e d l e - I S A 5 0 x 5 0 x 6	2*4	0.050			4.5	1.800	
MS Flat for Hand rail 1 - 50x8 mm	4*4	13.635	0.050	0.008	7850.0	685.023	

MS Flat for Hand rail 2 - 50x8 mm	2*4	1.600	0.050	0.008	7850.0	40.193	
MS Flat-1 for gear box cover 50x5 mm	4*4	0.945	0.050	0.005	7850.0	29.673	
MS Flat-2 for gear box cover 50x5 mm	2*4	1.245	0.050	0.0050	7850.0	19.547	
Hoisting Bridge-MS Plates							
Longitudinal Girder flange -16mm MS Plate	4*4	14.220	0.150	0.016	7850.0	4286.477	
Longitudinal Girder web -10mm MS Plate	2*4	14.220	1.200	0.010	7850.0	10716.192	
Stiffener End	16*4	1.216	0.170	0.010	7850.0	1038.562	
Base Plate 1 -20mm MS Plate	4*4	0.450	0.360	0.020	7850.0	406.944	
Base Plate 2 -10mm MS Plate	4*4	0.450	0.360	0.010	7850.0	203.472	
Base Plate 3 -10mm MS Plate	8*4	0.360	0.220	0.010	7850.0	198.951	
Plate for Pulley supporting channel	8*4	0.910	0.065	0.010	7850.0	148.585	
Plate for motor supporting channel	4*4	1.010	0.065	0.010	7850.0	82.457	
Plate for cross supports	26*4	1.060	0.065	0.010	7850.0	562.500	
Plate for Web stiffener	40*4	1.200	0.065	0.010	7850.0	979.680	
Plate for pulley block	4*4	0.792	0.550	0.016	7850.0	875.382	
Locking plate for pulley block	8*4	0.120	0.050	0.010	7850.0	15.073	
Spacer for pulley	4*4	0.180	0.180	0.008	7850.0	32.556	
Plate-10mm	4*4	0.150	0.150	0.010	7850.0	28.260	
Anchoring plate-10mm Plate	36*4	0.100	0.100	0.010	7850.0	113.041	
Base plate for worm reducer	1*4	0.375	0.300	0.010	7850.0	35.325	
Stiffener plate for worm reducer	4*4	0.090	0.090	0.010	7850.0	10.174	

Supporting plate	2*4	0.135	0.100	0.010	7850.0	8.479	
base plate-1 for brake	1*4	0.350	0.125	0.010	7850.0	13.738	
base plate-2	4*4	0.065	0.065	0.010	7850.0	5.307	
base plate-1 for motor	1*4	0.220	0.200	0.010	7850.0	13.817	
Stiffener for motor base plate-1	1*4	0.100	0.054	0.010	7850.0	1.696	
Stiffener for motor base plate-2	2*4	0.065	0.065	0.010	7850.0	2.654	
Drive unit Cover 3.15 mm plate-1	2*4	1.355	0.965	0.00315	7850.0	258.665	
Drive unit Cover 3.15 mm plate-2	2*4	0.965	0.820	0.00315	7850.0	156.535	
Drive unit Cover 3.15 mm plate-3	1*4	1.400	0.820	0.00315	7850.0	113.549	
Drum frame support-1- 20mm plate	4*4	0.460	0.350	0.020	7850.0	404.432	
Drum frame support-2- 20mm plate	4*4	0.280	0.100	0.020	7850.0	70.337	
Drum frame support-3- 10mm plate	2*4	0.690	0.060	0.010	7850.0	26.000	
Drum frame support-4- 10mm plate	2*4	1.540	0.060	0.010	7850.0	58.028	
stiffener-1- support for drum frame	8*4	0.220	0.080	0.010	7850.0	44.212	
stiffener-2- support for drum frame	4*4	0.150	0.080	0.010	7850.0	15.073	
stiffener-3- support for drum frame	10*4	0.226	0.130	0.010	7850.0	92.254	
stiffener-4- support for drum frame	2*4	0.222	0.070	0.010	7850.0	9.760	
base plate-1 for plummer block- drum	4*4	0.275	0.090	0.020	7850.0	62.172	
base plate-2 for plummer block- drum	4*4	0.255	0.090	0.030	7850.0	86.476	
Stiffener plate- Gear box cover	2*4	0.096	0.035	0.005	7850.0	1.056	
Gear box cover -1 (3.15 mm sheet)	2*4	2.400	0.480	0.00315	7850.0	227.889	

Gear box cover -2 (3.15 mm sheet)	4*4	1.455	0.675	0.00315	7850.0	388.568	
Plate cover -3.15mm gear box	2*4	0.310	0.210	0.00315	7850.0	12.879	
Base plate for worm reducer- dial indicator	1*4	0.450	0.300	0.008	7850.0	33.912	
Stiffener plate-1 (Dial i n d i c a t o r - w o r m r e d u c e r )	2*4	0.150	0.185	0.010	7850.0	17.428	
Stiffener plate-2 (Dial i n d i c a t o r - w o r m r e d u c e r )	1*4	0.150	0.170	0.010	7850.0	8.008	
B a s e P l a t e f o r p l u m m e r b l o c k ( D i a l i n d i c a t o r )	1*4	0.260	0.090	0.010	7850.0	7.348	
Stiffener plate (Dial i n d i c a t o r - P l u m m e r b l o c k )	2*4	0.100	0.090	0.010	7850.0	5.652	
Support plate bottom- Dial indicator	2*4	0.236	0.210	0.010	7850.0	31.124	
Hoisting platform							
MS chequered plate 6mm-1	2*4	3.320	2.030		49.2	2652.707	
MS chequered plate 6mm-2	4*4	0.935	0.745		49.2	548.344	
MS chequered plate 6mm-3	2*4	0.820	0.300		49.2	96.826	
MS chequered plate 6mm-4	2*4	0.880	0.445		49.2	154.134	
MS chequered plate 6mm-5	1*4	2.030	2.080		49.2	830.969	
MS chequered plate 6mm-6	1*4	2.030	1.840		49.2	735.088	
MS chequered plate 6mm-Catwalk	1*4	14.220	0.365		49.2	1021.452	
step for ladder							
MS chequered plate 6mm	18*2	1.340	0.300		49.2	712.023	
Nut & bolts							

	Handrail - M16	84*4	0.035			0.11	1.294		
	for Locking plate- M16	16*4	0.035			0.11	0.247		
	Nut for anchor rod dia 25- M24	8*4*4	0.050			0.1	0.641		
	for drum -M16	8*4	0.100			0.21	0.672		
	for drum cover-M16	16*4	0.030			0.1	0.192		
	for EM brake fixing- M12	24*4	0.100			0.12	1.153		
	for worm reducer fixing- M30	4*4	0.135			1.14	2.463		
	for plumber block-line shaft M-16	8*4	0.135			0.26	1.124		
	Total Quantity						40342.973 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						40342.973 kg		
	Say 40342.973 kg @ Rs 3.40 / kg						<b>Rs 137166.11</b>		
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
<b>12 Appendix G-6 Supplying, stacking, erecting and trial run of rope drum hoisting Unit</b>									
1	85.128 Providing Line shaft ,material : MS rolled/ forged steel								
	Hoisting unit- Line Shaft 55mm dia								
	55mm Dia Line shaft	1*4	3.842*2			18.64	572.920		
	Total Quantity						572.920 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						572.920 kg		
	Say 572.920 kg @ Rs 128.95 / kg						<b>Rs 73878.03</b>		
2	od332753/2020_2021 Cost of supplying and stacking 20mm wire rope, 6 / 36 construction, Right hand lay, ungalvanised, main fiber core, UTS 180 kg/mm2. having breaking load capacity of 23853kg. Conforming to IS 2266 - 1989								
	20 mm dia wire rope								
	20 mm dia wire rope for 4 units	1*4	82.000				328.000		
	Total Quantity						328.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						328.000 metre		

	Say 328.000 metre @ Rs 309.77 / metre						<b>Rs 101604.56</b>	
3	od332913/2020_2021 Supply and stacking of dia 8mm SS304 Chain for dogging beam, including cost of material conveyance etc complete.							
	For 4 Nos							
	For dogging beam	2*4	2.000				16.000	
	Total Quantity						16.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						16.000 metre	
	Say 16.000 metre @ Rs 764.27 / metre						<b>Rs 12228.32</b>	
4	od332943/2020_2021 Providing DIAL ASSEMBLY							
	For 4 Nos Shutter							
	Dial gauge assembly	1*4					4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 26937.86 / set						<b>Rs 107751.44</b>	
5	85.125 Other Engineering Organisations Conveying and erecting in position the already supplied rope drum hoisting units (15T/ 20T/25T/30T) capacity on the hoisting bridge and correcting the alignment as far as possible manually as per the direction of departmental officer at site including cost of all labour, machinery, lead and lift and all incidental and conveyance charges etc complete							
	For hoisting unit							
	For 4Nos hoisting unit	1*4					4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 55766.26 / no						<b>Rs 223065.04</b>	
6	od333039/2020_2021 Supplying and stacking of 15 Tonne capacity rope drum hoisting unit having 12 m lift at a hoisting speed of about 0.50 m/min(+/-10%) through pulley arrangements with two numbers of falls on either side with 20mm tested galvanized wire rope 6/36 construction, fibre core having breaking capacity 23853Kg and driven by TEFC squirrel cage induction motor hoist duty type having capacity not less than 3HP and driven through self locking worm reducer and open gear reduction unit excluding the cost of line shaft but including 2 nos. of plumper blocks with bearings for line shaft supported at proper intervals and including cost of electro magnetic thruster brake assembly manual operating systems, and other safety equipments							



	as per drawings specifications and statutory requirements etc complete but excluding cost of wire rope and electrical accessories						
	15T hoisting unit						
	15T hoisting unit	4					4.000
	Total Quantity						4.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						4.000 set
	Say 4.000 set @ Rs 731852.52 / set						<b>Rs 2927410.08</b>
7	85.135 Conveying and Fixing wire rope already supplied to the new gates and Hoisting unit safely and conducting Trial run						
	For 4 Shutters						
	Fixing wire rope & Trail run	1*4					4.000
	Total Quantity						4.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						4.000 set
	Say 4.000 set @ Rs 16889.83 / set						<b>Rs 67559.32</b>
	Provision for GST payments (in %) @						<b>12.0%</b>
	Amount reserved for GST payments						<b>26252799.77</b>
	Total						<b>245026130.77</b>
	Lumpsum for round off						<b>0.00</b>
	<b>TOTAL Rs 245026130.77</b>						
	<b>Rounded Total Rs 24,50,26,131</b>						
	Rupees Twenty Four Crore Fifty Lakh Twenty Six Thousand One Hundred and Thirty One Only						

(Cost Index Applied for this estimate is 31.06%)