

FOOT OVER STEEL BRIDGE						
SUB-STRUCTURE(FOUNDATION)						
Sr. No.	Description of item		QTY.		Rate	Amount
1	Earth work in excavation in foundation trenches in all kind of soil where pick jumper work is not involved and not exceeding 2.0 meter depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm, layers with compaction including disposal of all surplus soil as directed within lead of 30 metres.					
			22.00	Cum		
2	Laying cement concrete 1:4:8 with Stone ballast with mech. Mix comp.					
	Under Footing		1.01	Cum		
	Tie beam		0.48	Cum		
3	RCC M-20 mechanically mixed using batch type concrete mixture as per IS 1791 and vibrated by needle vibrator but excluding steel reinforcement in foundation & plinth as per CSR 10.16					
	For pedestal footing		2.60	Cum		
	For pedestal upto bottom of steel structure		1.44	Cum		
4	Cold twisted deformed (Ribbed/ToR Steel bar)Bars(Fe 500 grade as per IS-1786-1985),for R.C.C works,where not including in the complete rate of RCC including bending and binding placing in position complete as per CSR 18.18					
	a 10 mm dia bar					
	For Pedestal PD-1		89.94	kg		
	b 12 mm dia bar					
	For pedestal PD-1					
	Tie beam		177.77	kg		
	c 8mm dia bar					
	For pedestal PD-1					
	Ring (175MM C/C)					
	For tie beam TB-1					

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Sr. No.	Description of item		QTY.		Rate	Amount
	Ring (175mm C/C)					
			52.61	kg		
	Total		320.32	kg		
			3.20	per Qtl		
5	Providing and fixing of bolts all sizes 8.8 Grade (Foundation Bolts) as per Drg. & Design.					
a	For 16mm dia (bolts)					
			19.243	kg		
b	Supplying and fixing of Nut of 8.8 grade(High Tension) 2 nut on each bolt = 64 nut ,64 washer (1 washer plan, 1 spring washer)					
	Wt. of 64 Nut		0.72	kg		
	Wt. of 64 washer		0.4	kg		
	Total		20.4	kg		
6	Centring and Shuttering For the faces of concrete foundation CSR 9.1 (Foundation Beam and PL beam)					
a	Pedestal PD-1					
b	for pedestal up to bottom of steel					
c	for tie beam					
	Total		30.3	Sqm		
7	Back filling					
	Total excavation					
	Less M25					
			14.66	cum		
SUPER-STRUCTURE						
1	Steel work in built up tubular (round, square or rectangular hollow tubes etc. ISI Marked) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete having span:-					
	base plate PD1 (16mm thick)		66.33	kg		
	Stiffner with base plate (8mm thick)		18.84	kg		
	Total		85.17			
STANCHION WORK						

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Sr. No.	Description of item		QTY.		Rate	Amount
1	SHS (150 X 150 X 6)		1178.76	kg		
2	SHS (60 X 60 X 4)		434.55	kg		
3	SHS(75X75X6)		24.681	kg		
3	SHS (72x72x4.0)		140.56	kg		
4	SHS (240 X 120 X 5)		661.84	kg		
		Total	2415.71	kg		
2	Structural steel work in angles, tees, flats, riveted, including cutting, fixing all gusset plates, bolts, nuts, rivets etc. with hoisting and erecting in position.					
	For plates and trussed girders etc. for bridge of span including cost of all machinery i.e. hydra crane etc.					
	Plate 8 mm thick at (A)		70.65	kg		
	Plate 8 mm thick at (B)		70.65	kg		
	ISA 50x50x6		25.51	kg		
	ISA 75X75X6		32.21	Kg		
	Connection plate(500x350x16)		110	Kg		
	Connection plate(450x300x16)		33.912	kg		
		Total	342.932	kg		
3	Mild Steel(MS) pipe railing upto height 4 feet from finish floor level					
	Horizontal RHS (40x60x2)		154.1	kg		
	Vertical SHS (25x25x3) @4"spacing		607.5	kg		
	Vertical Supports RHS (40x60x2) @4 feet spacing		19.09	kg		
		Total	780.69	kg		
4	Steel Decking Sheet		404.5	kg		
5	Galvanized iron corrugated sheet		202.3	kg		
			606.8	kg		
6	Providing and laying heavy duty - 25 mm thick Tile Size 300 x 300 with cement based tile adhesive (water based) of approved make IS 15477 marked using 5 kg adhesive per sqm of tile area in average grouting the joint etc. complete in all		25.767	Sqm		

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7	RCC M-20 mechanically mixed using batch type concrete mixture as per IS 1791 and vibrated by needle vibrator but excluding steel reinforcement in foundation & plinth as per CSR 10.16					
	RCC Slab		3.2724	Sqm		
8	Cold twisted deformed (Ribbed/ToR Steel bar)Bars(Fe 500 grade as per IS-1786-1985),for R.C.C works,where not including in the complete rate of RCC including bending and binding placing in position complete as per CSR 18.18					
	a 10 mm dia bar					
	For alon shorter span @150mm soacing		106.08	kg		
	For alon longer span @150mm soacing		113.37	kg		
	Total		219.45	kg		
			2.194	per qtl		
9	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade. Applying priming coat with metal primer on new steel or iron work including preparation of surface.		82	Sqm		
			TOTAL AMOUNT			