

STEELPART LIST

Part no	Section (mm)	Quantity	Working Drawing (Dimension in mm.)	Length		Weight		Surface to be painted		Total weight (finished) Galvanized kg	Remarks
				single/pc mm	total m	kg / pc	total kg	m ² / pc	total m ²		
T-1	Angle 110/110/10 ℓ = 1288	8	As shown 4 nos. Opposite hand 4 nos. 6 holes ∅ 16^smm - ⌀ ; 4 holes ∅ 21mm - ⌀ ; 6 holes ∅ 25mm - ⌀	1288	10.30	20.81	166.48	0.57	4.56	169.26	Angle to be bent as shown in bending detail I : 5
T-2	a Channel ISMC 75 - 1772	4	4 holes ∅ 21mm	1772	7.09	12.00	48.00	0.55	2.20	49.34	Part no T-2 (a,b,c) channels and rods to be bent and welded together as shown in welding detail I : 10
	b Rod ∅ 16mm ℓ = 3001	2	Refer to detail for the bending of rod	3001	6.00	4.74	9.48	0.15	0.30	9.66	
	c Rod ∅ 16mm ℓ = 3953	2	Refer to detail for the bending of rod	3953	7.91	6.25	12.50	0.20	0.40	12.74	
T-3	Angle 50/50/6 ℓ = 840	4	2 holes ∅ 21mm thickness = 6mm	840	3.36	3.78	15.12	0.16	0.64	15.51	
T-4	Angle 50/50/6 ℓ = 795	4	2 holes ∅ 16^smm thickness = 6mm	795	3.18	3.58	14.32	0.15	0.60	14.69	
T-5	Angle 50/50/6 ℓ = 680	4	2 holes ∅ 16^smm thickness = 6mm	680	2.72	3.06	12.24	0.13	0.52	12.56	
T-6	Plate 230/140/10	4	2 holes ∅ 21mm - ⌀ 2 holes ∅ 25mm - ⌀ thickness = 10mm	-	-	2.06	8.24	0.06	0.24	8.39	
T-7	Plate 320/150/10	2	8 holes ∅ 21mm thickness = 10mm	-	-	3.55	7.10	0.10	0.20	7.22	

NOTES:

- 1) To obtain uniformity, use of templates and jigs is mandatory for hole bending and welding of assembly.
- 2) All parts or bundles and packages with identical parts have to be labelled or marked with the respective part number by the workshop.
- 3) "Friction grip bolt, nuts and washers" are mentioned in this drawing. However "Galvanized black grade hexagonal bolts and nuts (IS 1363, property class 4.6 for M 20 & 6.6 for M 16) and washers (IS 6610)" can be supplied.

Serial number	Item	Total weight (kg)
1	Structural steel	533.8
2	Screws, bolts, nuts, washers	58.9
Total 1 + 2		592.8

TOTAL TRANSPORTATION WEIGHT : 604.21 kg

MoLD / DoLIDAR / Trail Bridge Section Long Span Trail Bridge Standard	
Bridge No:	Name:
Span:	
Working & Assembly Drawing :	
Tower Top Element	
Standard section : 450 x 900 mm	
Effective height : 12 85 mm	
Angle : 110 / 110 / 10 mm	
Units :	1 Unit $\equiv$ Steelparts for one Tower
Date: August 2004	Drawing No. 129