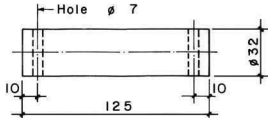
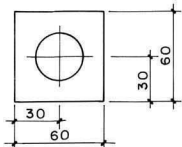
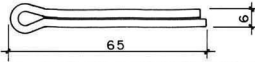
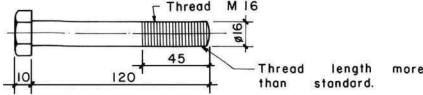


Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	total m	Weight kg/pc	total kg	Surface painted m ² /pc	to be total m ²	Total weight (Finished) Galvanized kg	Remarks
1	Plate 175 / 160 / 40	2		—	—	6.29	12.56	0.07	0.14	12.65	
2	a Rod ø 16 l = 427	2		427	0.85	0.67	1.34	0.02	0.04	1.36	
	b Plate 135 / 50 / 16	2		—	—	0.72	1.44	0.02	0.04	1.46	Weight of one -welded unit = 1.51 kg -Galvanized unit = 1.53 kg. Part nos. 2 (a-c) to be welded together as shown in welding detail.
	c Open thimble	2	Thimble to ISI standard for cable ø 13 mm	—	—	0.12	0.24	Galvanized			
3	Rod ø 20 l = 340	2		340	0.68	0.60	1.20	0.01	0.02	1.21	
4	Rod ø 24 l = 120	2		120	0.24	0.41	0.82	0.01	0.02	0.83	
5	a Rod ø 16 l = 352	2		352	0.70	0.54	1.08	0.01	0.02	1.09	
	b Plate 172 / 125 / 10	1		—	—	1.62	1.62	0.05	0.05	1.65	Weight of one -welded unit = 2.70kg -Galvanized unit = 2.74 kg. Part nos. 5(a-b) to be welded together as shown in welding detail.

Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	total m	Weight kg/pc	total kg	Surface to be painted m ² /pc	total m ²	Total weight (Finished) Galvanized Kg	Remarks
6	Plate 172/125/10	1	This part is identical to part no. 5b	—	—	1.62	1.62	0.05	0.05	1.65	
7	Rod ϕ 32 l = 125	1	 2 holes ϕ 7	125	0.13	0.77	0.77	0.01	0.01	0.78	
8	Plate 60/60/6	2	 1 hole ϕ 33 thickness = 6	—	—	0.13	0.26	0.01	0.02	0.27	
9	Split pin ϕ 6 l = 65	7		—	—	0.014	0.10	Bright steel			1 pc. extra
10	Hexagonal bolt M 16 x 120 IS 1363	4	 Thread M 16 Thread length more than standard.	—	—	0.22	0.88	Galvanized			Ref: IS 1363 - 1967.
11	Hexagonal nut M16 IS 1363	17	Hexagonal nut to ISI standard	—	—	0.032	0.54	Galvanized			1 pc. extra. Ref: IS 1363 - 1967.
12	Hexagonal nut M 20 IS 1363	4	Hexagonal nut to ISI standard	—	—	0.061	0.24	Galvanized			Ref: IS 1363 - 1967.
13	Open thimble	2	Thimble to ISI standard for cable ϕ 13 mm	—	—	0.12	0.24	Galvanized			Ref: IS 2315 - 1978.
14	Bulldog grip	12	M.S. forged bulldog grip to ISI standard for cable ϕ 13mm	—	—	0.28	3.36	Galvanized			Ref: IS 2361 - 1970.
TOTAL (1 - 14) = 28.31 kg								0.41 m ²	22.95 kg		

Steel parts to be Galvanized :	22.71 kg.	Hot Dip Galvanization : IS 2629, IS 2633
Steel Parts to be painted :	0.41 m ²	Weight of Zinc Coat : 0.61 kg / m ²

Serial number	Item	Total weight (kg)
1	Structural steel	22.81
2	Screws, bolts, nuts, washers	1.66
Total 1 + 2		24.47

	(Pieces)
Thimbles for Cable Ø 13 mm	4
Bulldog grips for cable Ø 13 mm	12

TOTAL TRANSPORTATION WEIGHT : 28.55 kg

NOTES :

- All nuts have to be retightened after erection.
- All nongalvanized threads have to be painted in site with coaltar after retightening of the nuts.
- All steelparts have to be painted with final coat after bridge erection, only if not Galvanized.
- To obtain uniformity, use of templates and jigs is mandatory for holing, bending and welding of assembly.
- All parts or bundles and packages with identical parts have to be labelled or marked with the respective part number by the workshop.

MoLD / DoLIDAR / Trail Bridge Section Long Span Trail Bridge Standard	
Bridge No:	Name:
Span:	
Working & Assembly Drawing :	
Diagonal Stabilizer	
For 6 Main cables	
Units :	1 Unit = steelparts for one main cable clamp and one spanning cable clamp.
Date: August 2004	Drawing No. 20