

STEELPART LIST

Part no	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	Total m	Weight Single/pc kg	Total kg	Surface m <sup>2</sup> /pc	Weight Galvanized Total kg	Remarks
1	a Angle 45 x 45x3 - 1180 Hot rolled Ref. IS 811 and IS 808	12		1180	14.160	2.478	29.736	0.212	—	30.906
	b Angle 45 x 45x3 - 1180 Hot rolled Ref. IS 811 and IS 808	4		1180	4.720	2.478	9.912	0.212	—	10.302 Weight of one - welded unit = 21.716 kg - galvanized unit = 22.563 kg
	c RI - Bar ø 8 mm - 500	14		500	7.000	0.198	2.772	0.012	—	2.849
	d Flat 25 x 3 - 430	4		430	1.720	0.253	1.012	0.024	—	1.07
(STANDARD PART)										
TOTAL (1 - 3) = 44.24 kg.									45.127 kg	
2	a Angle 45 x 45x3 - 1375 Hot rolled Ref. IS 808 and IS 811	12		1375	16.50	2.887	34.644	0.247	—	36.007
	b Angle 45 x 45x3 - 1375 Hot rolled Ref. IS 808 and IS 811	4		1375	5.50	2.887	11.548	0.247	—	12.002 Weight of one - welded unit = 26.451 kg - Galvanized unit = 27.497 kg
	c RI - bar ø 8 mm - 500	16		500	8.000	0.198	3.168	0.012	—	3.256
	d Flat 25 x 3 - 430	14		430	6.02	0.253	3.542	0.024	—	3.73
(SPECIAL PART)										
TOTAL (1 - 3) = 53.71 kg.									54.995 kg	

Hot Dip Galvanisation : Ref. IS 2629, IS 2633  
Weight of Zinc Coat : 0.61 kg /m<sup>2</sup>

Steel parts to be Galvanized (Standard part) : 43.43 kg  
Steel parts to be Galvanized (Special part) : 52.90 kg

STANDARD PART

Serial Number	Item	Total weight kg.
1	Structural Steel Standard Part	43.43
2	Screw, Bolts, Nuts	0.81

SPECIAL PART

Serial Number	Item	Total weight kg.
1	Structural Steel Special Part	52.90
2	Screws, Bolts, Nuts	0.81

NOTES

- 1) To obtain uniformity, use of templates and jigs is mandatory for holing, 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) Sharp corners have to be grinded after welding.
- 4) All nuts and locknuts have to be retightened after erection and then the threads of the bolts have to be destroyed.
- 5) Part 1a and 1b must be hot rolled steel angles.
- 6) Special walkway deck parts are provided since the last element of the walkway may not necessarily be 1.20 m, the special parts must in this case be cut to the required length.

Welding Length	Element (1c) to (1a/b)		Element (1d) to (1a/b)	
per Grating	Single length mm	Total length mm	Single length mm	Total length mm
Standard part	45	2520	25	400
Special part	45	2880	25	1400

TOTAL TRANSPORTATION WEIGHT	
STANDARD PART	45.93 Kg
SPECIAL PART	55.80 Kg

MoLD / DoLIDAR / Trail Bridge Section  
Long Span Trail Bridge Standard

Bridge No: Name:

Span:

Working & Assembly Drawing :

Steel Walkway Deck  
For Suspended Bridge

Units : 0.85 x span	standard part	1 unit = steel part for 1.20 m.
Units : 2 (Two)	special part	bridge length.
Total :		

Date: August 2004 Drawing No. 06