

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					kg/pc	total kg
1	a	Angle 40/40/5 1330	2		3.92	7.84
	b	Flat 100/10- 106	2		0.77	1.54
	c	Flat 100/6 - 85	2		0.37	0.74
	d	Flat 75/6-130	3		0.44	1.32
	e	Hex Nut M 12	12		0.015	0.18 <sup>C</sup>
	f	Plain Rod f 12-730	2		0.65	1.29
2	Rod ( J - Hook) f 16 - 230	2.1		0.36	0.76	
3	GI pipe 2" Medium	0.33		30.60	10.10 <sup>D</sup>	
4	2" Socket	0.2		0.46	0.09 <sup>D</sup>	
5	2" Union	0.2		1.10	0.22 <sup>D</sup>	
6	Rod U- clamp f 16 - 230	2.1		0.36	0.76	
7	Hex Nut M 12	6.3		0.015	0.09 <sup>C</sup>	
8	Hex Nut M 16	8.4		0.03	0.25 <sup>C</sup>	
9	Hex Bolt M12 x 70	12.6		0.08	1.01 <sup>C</sup>	
A = 27.19 kg Transportation Weight galvanized: B + C +D+ 1.00 kg			B = 14.25 kg Total Structural Steel = Steel to be galvanized		C = 1.53 kg Nuts & Bolts	D = 10.41 kg GI pipe, socket & Union

### Assembly Details

c/c walkway cables = 116 cm

### Welding Details of Part No. 1

For obtaining uniformity, the use of templates and jigs is mandatory

### Section A

### Section B

All structural steel must comply with:  
IS 226 - 1975 for structural steel  
IS 800 - 1984 for general construction in steel

HMG / Ministry of Local Development  
DoLIDAR / Short Span Trail Bridge Standard

Bridge Name: \_\_\_\_\_  
No: \_\_\_\_\_ Bank: \_\_\_\_\_ Span: \_\_\_\_\_  
Steel Drawing: \_\_\_\_\_

**Crossbeam for Suspension Bridge**  
(for 1 meter bridge length)  
for walkway width = 106 cm

\*Nos of Crossbeam required: \_\_\_\_\_

Date : September 30 , 2002 Drawing No. 07N

All steelparts must be **hot dip galvanized** according to IS 2629 & 2633, min. thickness = 80 μ m

*\*Required Nos of Crossbeams per bridge:*  
**Span-2 in [m]**

**For Delivery:**

- The threaded rods shall be folded together with the crossbeam and to be bound with a binding wire.
- Fit 3 Hex Nuts to each threaded rod.
- Fit 2 Hex Nut to each J - Hook.
- All sharp corners are to be grinded off.