

Part No.		Section [mm]	Quantity [nos]	Working Drawing (not to scale)	Weight kg / pc total kg	
1	a	Flat 75/6 l = 90	8		0.31	2.48g <i>galvanized</i>
	b	Flat 100/10 l = 700	8		5.23	41.84g <i>galvanized</i> gas cutting prohibited
	c	IS Round Bar f 75 or 3" l = 110	4		2.20	8.80g <i>galvanized</i>
	d	Rod f 36 l = 650	4		5.16	20.64g <i>galvanized</i>
	e	Rod f 10 l = 60	8		0.04	0.32g <i>galvanized</i>
drill hole f 31 ¹ , cut thread M 35 and fit tightly with part no 1d before galvanization						
2	a	IS Round Bar f 75 or 3" l = 220	2		5.92	11.84g <i>galvanized</i>
	b	Rod f 6 l = 130	4		0.03	0.12g <i>galvanized</i>
3		Plate 350/200/6	4		3.30	13.20u <i>untreated</i>
4		Angle 40/40/5 l = 500	8		1.48	11.84u
5		Flat 100/6 l = 1800	*		8.31	u
* obtain quantity from respective construction drawing.						
6		Angle 40/40/5 l=1600	2		4.75	9.50u

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

Part No.	Section [mm]	Quantity [nos]	Working Drawing (not to scale)	Weight kg / pc total kg	
7	Angle 40/40/5 l=750	2		2.23	4.46 ^u
8	Angle 40/40/5 l=685	2		2.03	4.06 ^u
9	Hex Bolt M12x40	42	<div rowspan="4">IS 1363, galvanized acc. to: IS 1367, Part XIII</div>	0.049	2.06 ^c
10	Hex Bolt M16x40	168	0.096 16.13^c		
11	Hex Nut M12	42	0.015 0.63^c		
12	Hex Nut M16	168	0.03 5.04^c		
13	Hex Nut M36	13	0.37 4.81^c		
14	Ri-Bar f 16 l = 1500	8		2.37	18.96 ^R
15	Ri-Bars f 20 l=.....	12	G=2.47kg/m¹		 ^R
16	Stirrup f 12 l=.....		bend stirrup as given in respective construction Drawing for 50x50cm, l=2200mm, G=1.95kg/pc for 80x80cm, l=3550mm, G=3.15kg/pc		 ^R
17	open Thimble	2	Thimble to ISI 2315-1978 for Cable fmm MS forged ISI Standard hot dip galvanized		 ^D
18	Bulldog Grip		Bulldog Grip to ISI 2361-1970 for Cable fmm		 ^D
A = kg. Total transportation Weight B+C+D+R+ 1.69kg.			B = kg. Total Structural Steel = (u+g)	g = 86.04 kg. Structural Steel to be galvanized	
C = 28.67 kg Nuts, Bolts, Washers			D =..... kg. Bulldog Grips & Thimbles	R = kg Reinforcement Steel	

The following steelparts must be
hot dip galvanized acc. to IS
2629 & 2633, min thickness
= 80 μ m
Part No. 1 & 2
All Nuts & Bolts must conform
to IS 1363 and are **galvanized**
acc. to IS 1367, Part XIII

**Transportation
Weights of welded
Parts:**
Part No. 1 = 18.78 kg
Part No. 2 = 6.05 kg

HMG / Ministry of Local Development
DoLIDAR / Short SpanTrail Bridge Standard
Bridge Name:
No: Bank: Span:
Steelpart List for one Foundation:
**Main Cable Anchorage
for Suspension Bridges**
2 Main Cablesf mm (26 or 32mm)
centre to centre distance : 2.50 m
Nos. of Anchorages required :
Date : September 30, 2002 Drawing No. 42N

Cable f mm	Bulldog grips for two cables	Weight. (kg/pc)	
26	10	Thimble	Bulldog grip
32	12	0.75	1.1
		1.85	1.3