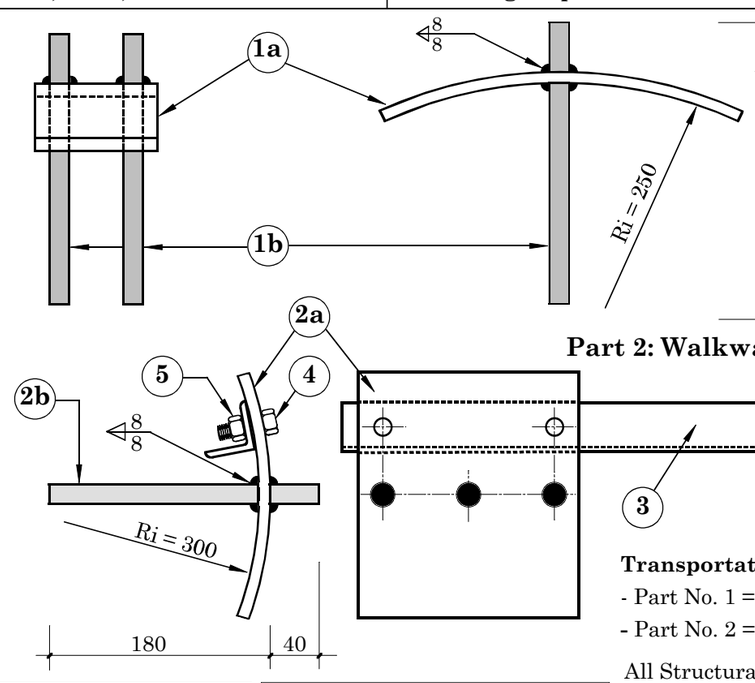
Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight Kg/pc	Weight total Kg
1	a	**Plate 100/300/10**	2	150 150; 20 60 20; 100; 2 holes *f* 17; Ri = 250	2.35	4.70[g]
					galvanized	
	b	**Ri-Bar *f* 16 l = 220**	4	220	0.35	1.40[g]
					galvanized	
2	a	**Plate 160/200/10**	2	45 55 100; 20 60 60 160 20; 2 holes *f* 14; 3 holes *f* 17; Ri = 300	2.50	5.00[g]
					galvanized	
	b	**Ri-Bar *f* 16 l = 220**	6	220	0.35	2.10[g]
					galvanized	
3		**Angle (spacer) 40/40/5 l = ...**	1	25 120 L X 120 25; 20 20; Width of walkway: 70 cm L 1030 X 740 3.05 kg; 106 cm L 1390 X 1100 4.12 kg; 5 holes *f* 14	.....	.....[U]
					untreated	
4		**Hex bolt M12 - 40**	4	40	*galvanized*	0.065	0.26[c]
5		**Hex nut M12**	4	19; 10	*galvanized*	0.015	0.06[c]
6		**Ri-Bar *f*16 l = 1650**	4	350; 1300; ri = 40	2.61	10.44[R]
7		**Ri-Bar *f* 6 l = 320**	10	200; ri = 40	0.07	0.70[R]
8		**Ri - Bar *f* 16 l = ...**	2	L; Width of walkway: 70 cm 2100 3.32 kg; 106 cm 2500 3.95 kg	.....	.....[R]
9		**Bulldog Grip *f* ....**	2	for fixing first suspender at handrail cable *f* 26 or 32 MS forged, according to ISI standard, **hot dip galvanized**	.....	.....[D]
10		**Plain Rod *f* 20 l = 3100**	4*	ri =60 mm; 1300; *Erection Hooks needed at one bank only	7.66	.....[R]
11		**Ri-Bar *f* 20 l = 2900**	8	2900	7.16	57.28[R]
12		**Ri - Bar *f* 12 l = 3350**	11	ri =25; 800; 80; 800	2.98	32.78[R]
13		**Ri-Bar *f* 25 l = 2550**	36	ri =75; 2300	9.83	353.88[R]
14		**Ri-Bar *f* 10 l = 3000**	15	3000	1.85	27.75[R]

For Concrete Core of Limb Wall

For Deadman Beam

Part No.	Section [mm]	Quantity [nos]	Working Drawing	Weight Kg/pc	Weight total Kg
15	**Bulldog Grips** MS forged ISI standard *f* 13	12	for fixing & joining **Fixation Cable** *f* 13mm	0.28	3.36[D]
16	*f*	.....	for **Handrail Cable** *f* 26 or 32mm **hot dip galvanized**	.....	.....[D]
17	*f*	.....	for **Walkway Cable** *f* 26 or 32mm	.....	.....[D]
18			Binding wire	1.00	1.00

A = ... kg. **Total transportation Weight B+C+D+R+ 1.22 kg.**	**B = ... kg.** **Total Structural Steel = (u+g)**	**g = 13.20 kg.** **Steel to be galvanized**	.....
C = 0.32 kg **Nuts, Bolts, Washers**	**D = ... kg** **Bulldog Grips**	**R = ... kg** **Reinforcement Steel**	



Part 1: Handrail Cable Saddle

Part 2: Walkway Cable Saddle

Transportation Weight of welded parts :
- Part No. 1 = 3.10 kg
- Part No. 2 = 3.60 kg

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

Related Construction Drawings are :
- 20Dcon70 or 20Dcon106 & 67D con

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

Cable *f* mm	Bulldog Grips for four cables	Weight. (kg/pc)	Weight. Total kg
26	20	1.10	22.00
32	24	1.30	31.20

HMG / Ministry of Local Development
DoLIDAR / Short SpanTrail Bridge Standard
Bridge Name:
No: Bank: Span:
Steel Drawing:
Saddles & Reinforcement for RCC Deadman Anchor in Fractured Rock for 4 Walkway Cables
Walkway Width : ---------- cm
Set for one Foundation
Nos of Foundation required, 1 or 2 : ----------
Date : Nov. 05, 2001 **Drawing No. 20D4S**