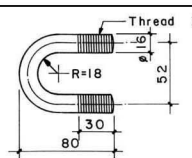
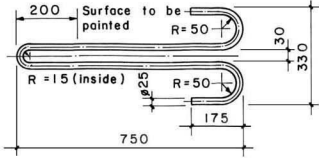
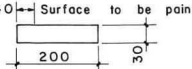
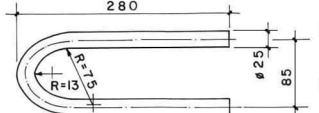
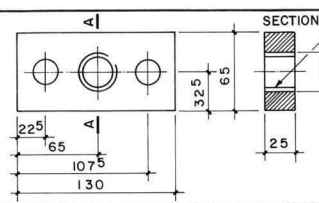
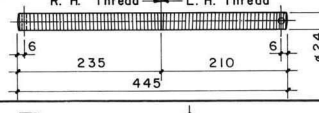
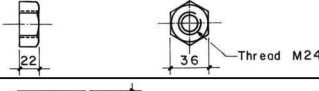
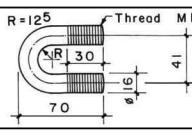
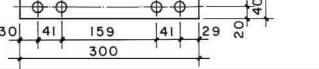
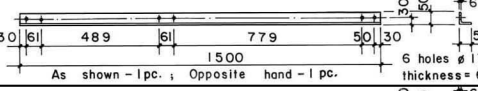
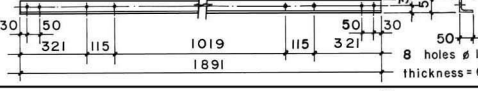
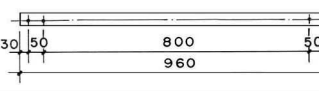
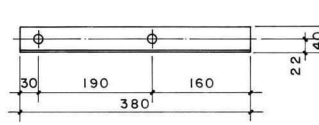
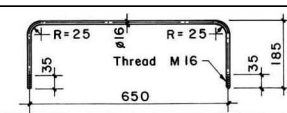
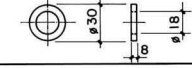
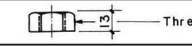
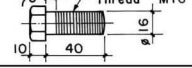
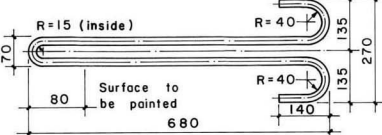
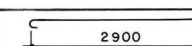
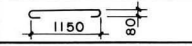
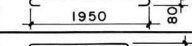
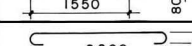
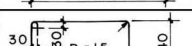
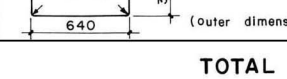
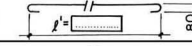
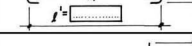
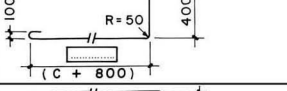
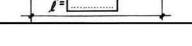


Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	total m	Weight kg/ pc	total kg	Surface m2/pc	to be painted total m2	Total weight (finished) Galvanized kg	Remarks
15	Rod ϕ 16 $l=174$	5	 Rod to be bent as shown after threading.	174	0.87	0.26	1.30	0.01	0.05	—	1 pc. extra.
16	a Rod ϕ 45 $l=1950$	4	 The rod to be bent to form the hook as shown.	1950	7.80	7.51	30.04	0.02	0.08	30.41	(Partly painted)
	b Plate 200/30/10	4	 thickness = 10	—	—	0.47	1.88	Negligible	—	1.89	
	c Rod ϕ 25 $l=576$	8	 1.No thinning of section during bending allowed. 2.Change of radius of curvature to be gradual.	576	4.61	2.22	17.76	0.05	0.40	18.00	
	d Left threaded	4	 2 holes ϕ 26 thickness = 25	—	—	1.37	5.48	0.02	0.08	5.53	
	Right threaded	4		—	—	1.37	5.48	0.02	0.08	5.53	
	e Rod ϕ 25 $l=445$	4	 2 holes ϕ 6 rod ϕ 25	445	1.78	1.35	5.40	—	—	5.48	Weight of one welded unit = 17.01 kg Galvanized unit = 17.21 kg
	f Right threaded	8	 Thread M24	—	—	0.12	0.96	Galvanized	—	—	One right threaded nut tighten to part 16e and welded.
	Left threaded	4		—	—	0.12	0.48	Galvanized	—	—	
g Rod ϕ 5 $l=40$	8		40	0.32	0.01	0.08	—	—	0.09	Part nos. 16(a-h) to be assembled together as shown in assembly and welding detail.	
h Open thimble	4	Thimble to ISI standard for cable ϕ 13 mm	—	—	0.12	0.48	Galvanized	—	—		
17	Rod ϕ 16 $l=147$	9	 Rod to be bent as shown after threading.	147	1.32	0.22	1.98	—	—	—	1 pc. extra.
18	Flat 40/6 $l=300$	4	 4 holes ϕ 17 thickness = 6	300	1.20	0.52	2.08	—	—	—	
19	Angle 50/50/6 $l=1500$	2	 6 holes ϕ 17 thickness = 6	1500	3.00	6.69	13.38	—	—	—	
20	Angle 50/50/6 $l=1891$	1	 8 holes ϕ 17 thickness = 6	1891	1.89	8.34	8.34	—	—	—	
21	Flat 40/6 $l=960$	1	 4 holes ϕ 17 thickness = 6	960	0.96	1.772	1.772	—	—	—	
22	Angle 40/40/6 $l=380$	4	 2 holes ϕ 17 thickness = 6	380	1.52	1.31	5.24	—	—	—	

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
23	a Rod ϕ 16 $l=976$	2		976	1.95	1.54	3.08	0.05	0.10	3.14	Weight of one welded unit = 1.63 kg. Part nos. 23 (a-b) to be welded together as shown in welding detail. Ref: IS 6610-1972.
	b Washer ϕ 18 IS 6610	4		—	—	0.028	0.11	Galvanized			
24	Hexagonal nut M 33	21		26	0.55	0.29	6.09	Galvanized			1 pc. extra.
25	Hexagonal nut M 16 IS 1363	62		—	—	0.032	1.984	Galvanized			4 pcs. extra. Ref: IS 1363-1967
26	Washer ϕ 18 IS 6610	5		—	—	0.028	0.14	Galvanized			1 pc. extra. Ref: IS 6610-1972
27	Hexagonal screw M 16 x 40 IS 1363	21		—	—	0.095	2.00	Galvanized			1 pc. extra. Ref: IS 1363-1967
28	Rod ϕ 20 $l=1723$	2		1723	3.45	4.25	8.50	0.01	0.02	8.63	Used as erection hook. (for Tirfor machine). (Partly painted)
29	Bulldog grip	25	M.S. forged bulldog grip to ISI standard for cable ϕ 13 mm	—	—	0.28	7.00	Galvanized			1 pc. extra. Ref: IS 2361 - 1970.
30	Bulldog grip	—	M.S. forged bulldog grip to ISI standard for cable ϕ mm	—	—	*	—	Galvanized			Ref: IS 2361 - 1970.
31	Open thimble	2	Thimble to ISI standard for cable ϕ mm	—	—	*	—	Galvanized			Ref: IS 2315 - 1978.
32	Rod ϕ 12 $l=3140$	10		3140	31.40	2.79	27.90	—	—	—	Difficult part for transportation.
33	Rod ϕ 12 $l=1390$	5		1390	6.95	1.23	6.15	—	—	—	
34	Rod ϕ 12 $l=2190$	14		2190	30.66	1.94	27.16	—	—	—	Difficult part for transportation.
35	Rod ϕ 12 $l=1790$	6		1790	10.74	1.59	9.54	—	—	—	
36	Rod ϕ 25 $l=2800$	12		2800	33.60	10.78	129.36	—	—	—	Difficult part for transportation.
37	Rod ϕ 8 $l=2060$	8		2060	16.64	0.81	6.48	—	—	—	
TOTAL (1 - 37) =				For cable ϕ 26 mm = 771.79 kg. For cable ϕ 32 mm = 778.59 kg.			6.16	m ²	421.66	kg	

Use ribbed for steel, cold bending required

ONLY WHEN REQUIRED	Reinforcement for block with foot	38	Rod ϕ 12 $l=$		Extra length for one hook = 120 Weight = 0.888 kg/m ³	—	—	—	—	—	—
		39	Rod ϕ 16 $l=$		Extra length for one hook = 160 Weight = 1.58 kg/m ³	—	—	—	—	—	—
		40	Rod ϕ 16 $l=$		Extra length for one hook = 160 Weight = 1.58 kg/m ³	—	—	—	—	—	C. Refer to structural drawing 92 / 2.
		41	Rod ϕ 12 $l=$		Extra length for one hook = 120 Weight = 0.888 kg/m ³	—	—	—	—	—	—
		42	Rod ϕ 16 $l=$		Extra length for one hook = 160 Weight = 1.58 kg/m ³	—	—	—	—	—	—
TOTAL (1 - 42) =						kg	6.16	m ²	kg		

Steel parts to be Galvanized :	406.92 kg	Hot Dip Galvanization : IS 2629, IS 2633
Steel parts to be painted :	6.16 m ²	Weight of Zinc Coat : 0.61 kg/m ²

* Cable ϕ mm	Bulldog grips required per cable	Weight (kg/pc)	Thimble B grip	Gap 'G'
26	5	0.75	1.10	150
32	6	1.85	1.30	190