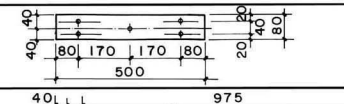
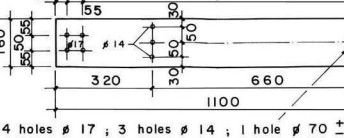
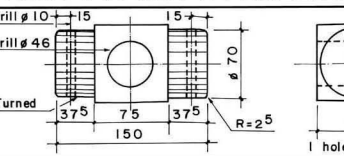
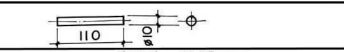
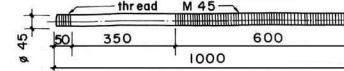
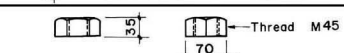
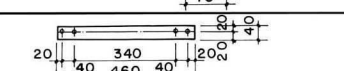
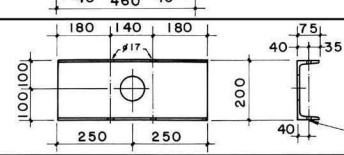
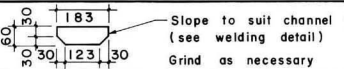
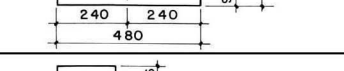
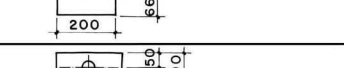
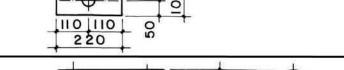
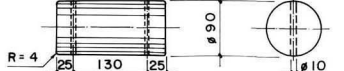
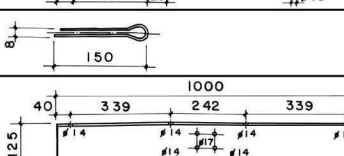
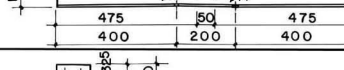
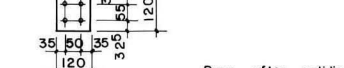
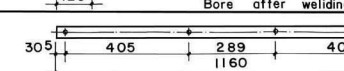


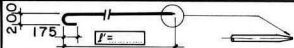
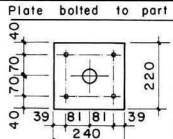
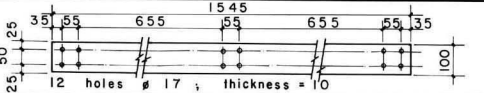
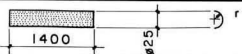
STEELPART LIST

Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length		Weight		Surface to be painted		Total weight (finished) Galvanized kg	Remarks
				Single/pc mm	total m	kg / pc	total kg	m ² /pc	total m ²		
a	Flat 80 / 8 ℓ=500	12		500	6.00	2.46	29.52	0.08	0.96	30.10	Gas cutting prohibited for part no. 1b
b	Flat 160 / 10 ℓ=1100	24		1100	26.40	13.34	320.16	0.36	8.64	325.43	
c	IS Square bar 80 ℓ=150	12		150	1.80	4.90	58.80	0.04	0.48	59.09	
d	Rod 10 ℓ=110	24		110	2.64	0.07	1.68	—	—	1.73	
e	Rod 45 ℓ=1000	12		1000	12.00	11.52	138.24	0.05	0.60	138.93	
f	Hexagonal nut M 45	12		—	—	0.77	9.24	Galvanized		—	
2	Flat 40/6 ℓ=460	12		460	5.52	0.84	10.08	—	—	—	
a	Channel ISMC 200-500	12		500	6.00	10.71	128.52	0.25	3.00	130.35	
b	Plate 183/60/10	24		—	—	0.79	18.96	0.03	0.72	19.40	
c	Plate 480/180/8	12		—	—	5.03	60.36	0.08	0.96	60.95	
d	Plate 200/66/10	24		—	—	1.04	24.96	0.03	0.72	25.40	
e	Plate 220/100/12	24		—	—	1.72	41.28	0.03	0.72	41.72	
4	Pin 90 ℓ=180	6		180	1.08	8.88	53.28	Apply grease only		53.33	
5	Split pin 8 ℓ=150	12		—	—	0.06	0.72	Bright steel		—	
a	Channel ISMC 125-1000	24		1000	24.00	12.61	302.64	—	—	—	
b	Plate 120/120/6	24		—	—	0.64	15.36	—	—	—	
7	Flat 40/6 ℓ=1160	12		1160	13.92	2.17	26.04	—	—	—	
8	Angle 50/50/6 ℓ=630	12		630	7.56	2.79	33.48	—	—	—	

Steel parts to be Galvanized :	896 . 16 kg	Hot Dip Galvanization : IS 2629 , IS 2633
		Weight of Zinc Coat : 0.61 kg / m ²

Cable ø mm	Bulldog grips for one cable	Weight (kg/pc)	
		Thimble	B. grip
36	7	2.75	1.85
40	8	3.20	2.40

Part no.	Section (mm)	Quantity	Working Drawing	Length		Weight		Surface to be painted		Total weight (finished) Galvanized kg	Remarks
				Single/pc mm	total m	kg / pc	total kg	m ² /pc	total m ²		
9	Flat 100/10 $\ell = 1700$	48		1700	81.60	13.20	633.60	-	-	-	
10	Angle 50/50/6 $\ell = 1500$	2		1500	3.00	6.71	13.42	-	-	-	
11	Angle 50/50/6 $\ell = 2500$	2		2500	5.00	11.14	22.28	-	-	-	
12	Angle 50/50/6 $\ell = 2300$	2		2300	4.60	9.91	19.82	-	-	-	
13	Hexagonal nut M 45	38	This part is identical to part no. 11	-	-	0.77	29.26	-	-	-	2 pc. extra.
14	Hexagonal bolt M 12 x 40 IS 1363	190		-	-	0.049	9.31	Galvanized	-	-	10 pcs. extra. Ref: IS 1363-1967
15	Hexagonal bolt M 16 x 60 IS 1363	300		-	-	0.12	36.00	Galvanized	-	-	12 pcs. extra. Ref: IS 1363-1967
16	Hexagonal nut M 12 IS 1363	190		-	-	0.018	3.42	Galvanized	-	-	10 pcs. extra. Ref: IS 1363-1967
17	Hexagonal nut M 16 IS 1363	300		-	-	0.032	9.60	Galvanized	-	-	12 pcs. extra. Ref: IS 1363-1967
18	Plain washer ø 17 thickness = 4	300		-	-	0.015	4.50	Galvanized	-	-	12 pcs. extra.
19	Rod ø 25 $\ell = 2650$	2		2650	5.30	10.20	20.40	0.04 (Partly painted)	0.08	20.66	Used for fixing Tirfor Machine during erection.
TOTAL (1 - 19) =						2'074.93 kg		16.88 m ²		907.09 kg	

ONLY WHEN REQUIRED		Rod ϕ 25 $L =$		 Extra length for hook = 250 Weight = 3.85kg/m³ is socketed		—		—		—		Ribbed torsteel Cold bending required.	
21	Plate 240 / 220 / 16	 Plate bolted to part 3a when cc 1 hole holes ϕ 17 When this plate is used for socketed cable end, part no. 4 and 5 are not necessary.		—		6.34		0.12		—		Weight (finished) Galvanized = (0.61 kg/m x Surface Area + Wt. of Steel) kg	
22	Hexagonal bolt M 16 x 60 IS 1363	Identical to part no. 15		—		0.12		Galvanized		—		Ref: IS 1363 - 1967	
23	Plain washer ϕ 17 thickness = 4	Identical to part no. 18		—		0.015		Galvanized		—		—	
24	Hexagonal nut M 16 IS 1363	Identical to part no. 17		—		0.032		Galvanized		—		Ref: IS 1363 - 1967	
25	Taper washer ϕ 18 IS 5372	Taper washer nominal hole size ϕ 18 as per ISI		—		0.035		Galvanized		—		Ref: IS 5372 - 1975	
26	Flat 100 / 10 $L = 1545$	 12 holes ϕ 17, thickness = 10		1545		11.91		—		—		Use for extending the length of part no. 9. (Deadman anchorage)	
27	Mortar container Sheet t = 0.5	 Total about 250 holes ϕ 4		1400		0.21		—		—		Two units per anchor bar (20)	
TOTAL (20-27) =						kg		m ²		kg			

28	Open thimble	6	Thimble to ISI standard for cable ϕ mm	—	—	*	Galvanized	Ref: IS 2315-1978
29	Bulldog grip	*	M.S. forged bulldog grip to ISI standard for cable ϕ mm	—	—	*	Galvanized	Ref: IS 2361-1970
GRAND TOTAL =						kg	m²	kg