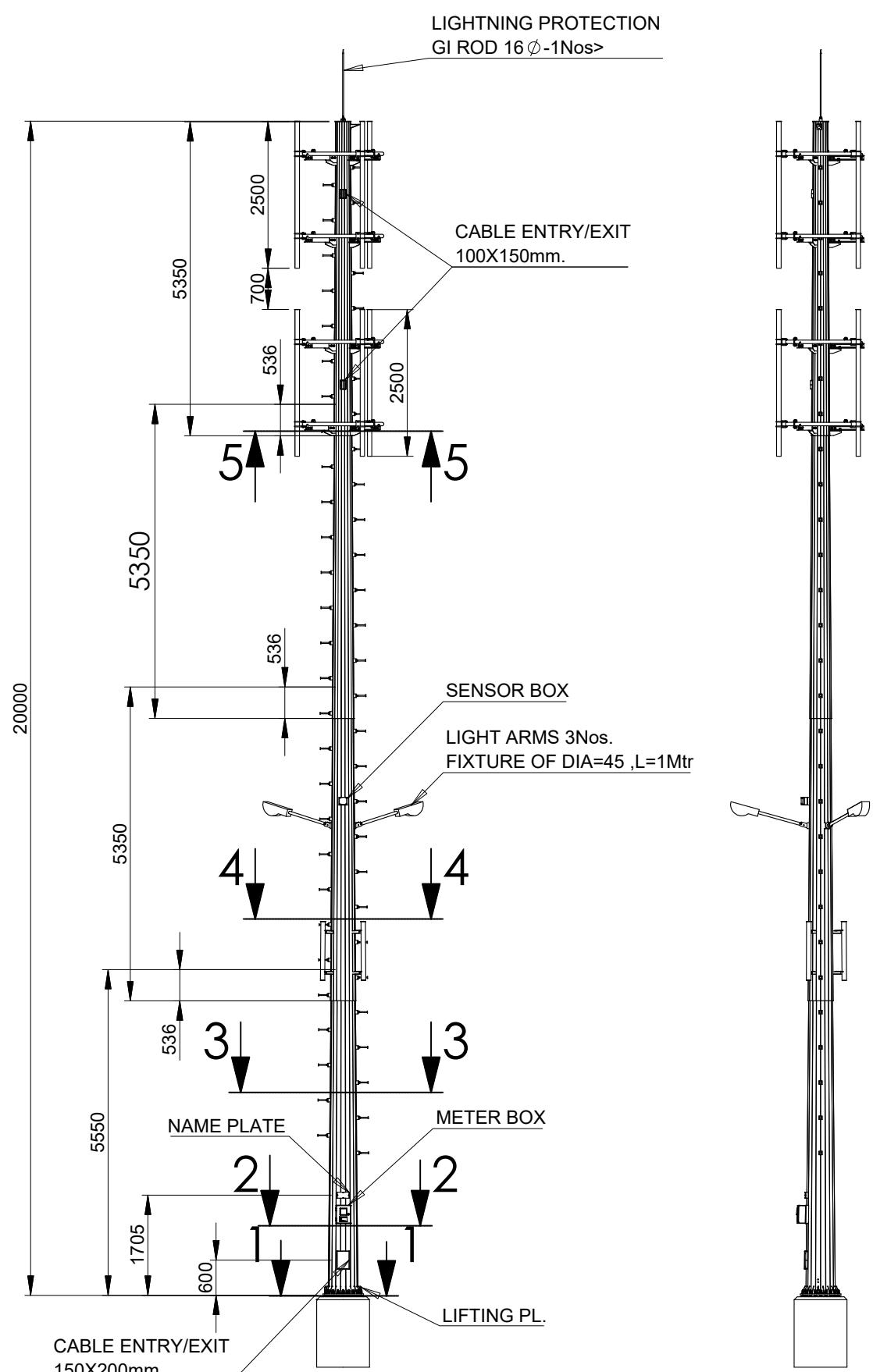
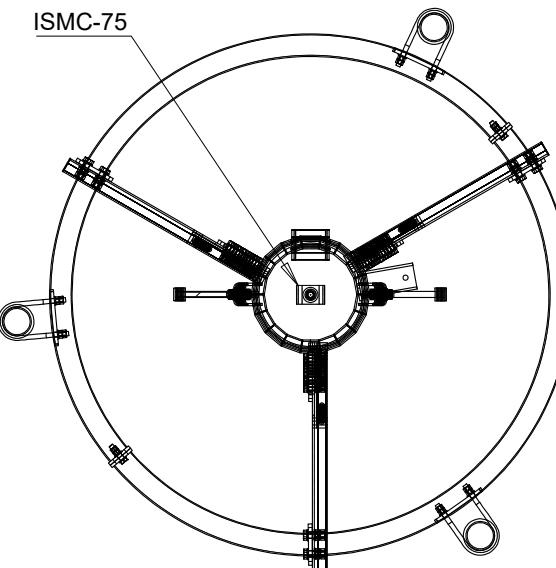
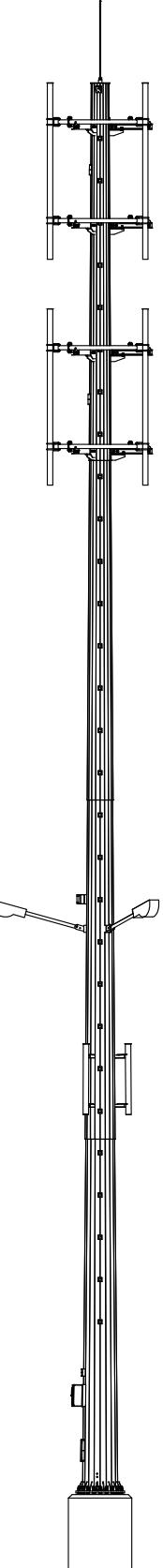
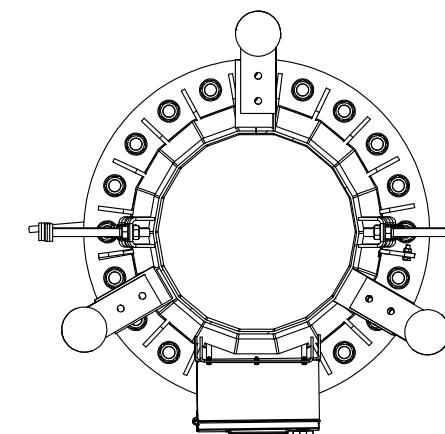
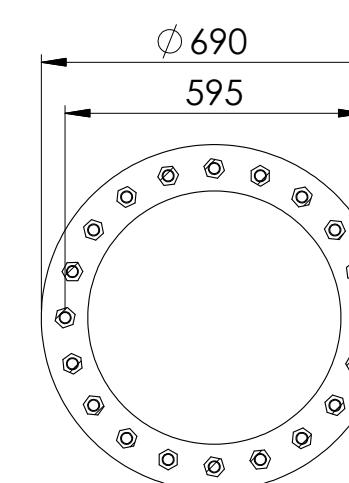
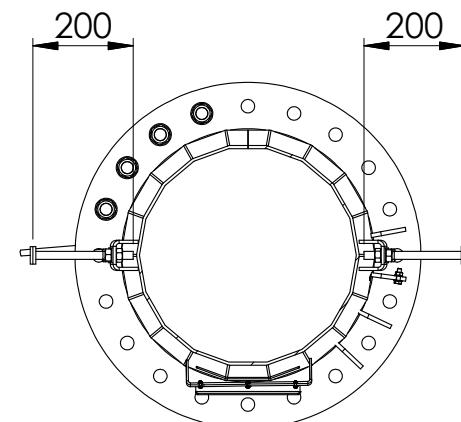
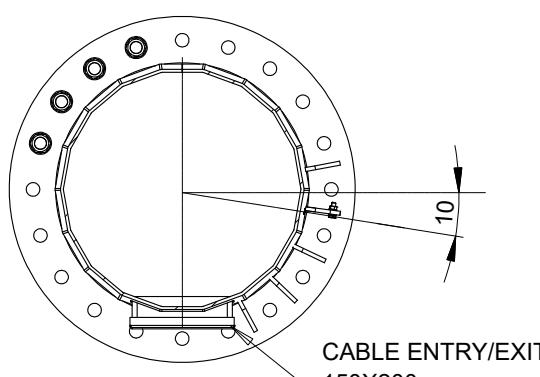


THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF ICON POWER SOLUTIONS (P) LTD.  
AND MAY NOT BE REPRODUCED, COPIED, DISCLOSED OR UTILIZED IN ANY WAY, IN WHOLE OR  
IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF ICON POWER SOLUTIONS (P) LTD.



ELEVATION

NOTE:-  
1.-ALL DIMENSIONS ARE IN MM.  
EXPECTED OTHERWISE SHOWN.  
2.-POLE SHAFT PROFILE WITH 18 SIDED.

SECTION 5-5  
SCALE 1 : 20SECTION 4-4  
SCALE 1 : 15SECTION 1-1  
SCALE 1 : 15SECTION 3-3  
SCALE 1 : 15SECTION 2-2  
SCALE 1 : 15

Design Standard : IS 875 (Part 3)  
Wind Speed : 150 KMPH  
Operational Wind Speed : 105 KMPH  
Structure : Octagonal  
Twist & Sway limit : < 1.0 degree at 105 KMPH  
Loading : 6 GSM Antenna  
6 RRU  
Street Light : 3 x 100W LED with LDR  
All part will Hot Dip Galvanized as per Standard ISO 1461  
Fail Arrest safety system will be included along with all monopoles.

DRAWN BY:	NAME	SIGNATURE	DATE	CHANGES	NAME	SIGNATURE	DATE	NO:	TOLERANCE:	SCALE:1:100	DRW. NAME:		
											ICGA10634-20M 20MTR SLIP JOINT MONOPOLE		
DRAWN BY:	PANKAJ	PANKAJ	02.12.2025								REV: 0	SHEET NO: 1 OF 1	SIZE: A3
DESIGNED BY:	SUJITH	SUJITH	02.12.2025										PROJECT NAME: BHUTAN TELECOM LTD. 2026
CHECKED BY:	SUJITH	SUJITH	02.12.2025										

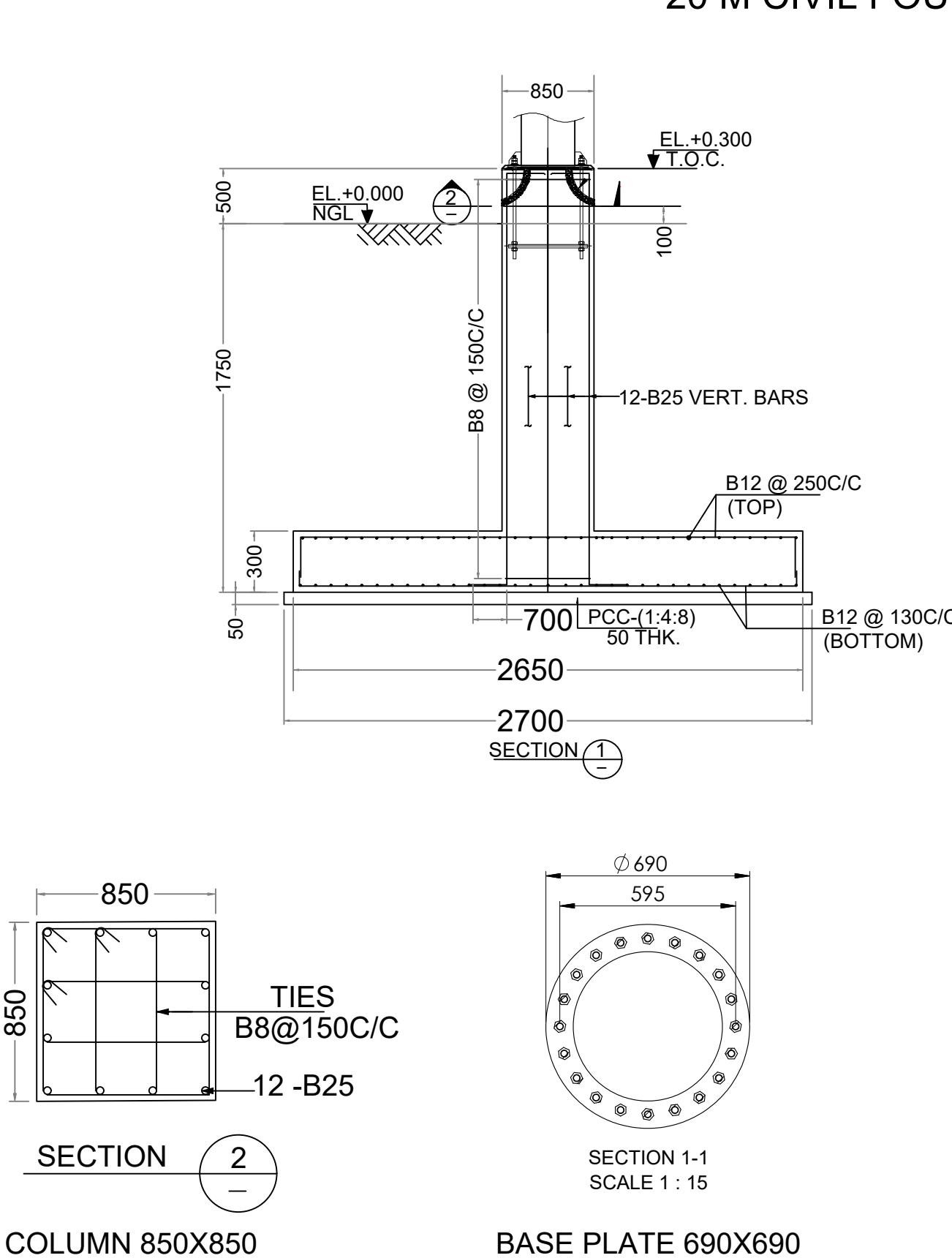


ICON POWER SOLUTIONS(P) LTD.  
112-113,Sector-5,IMT Manesar,  
Gurugram,Haryana,INDIA-122050  
TEL : +91 124 4120600/01/02

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF ICON POWER SOLUTIONS (P) LTD. AND MAY NOT BE REPRODUCED, COPIED, DISCLOSED OR UTILIZED IN ANY WAY, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF ICON POWER SOLUTIONS (P) LTD.

## 20 M CIVIL FOUNDATION DRAWING

A  
B  
C  
D  
E  
F



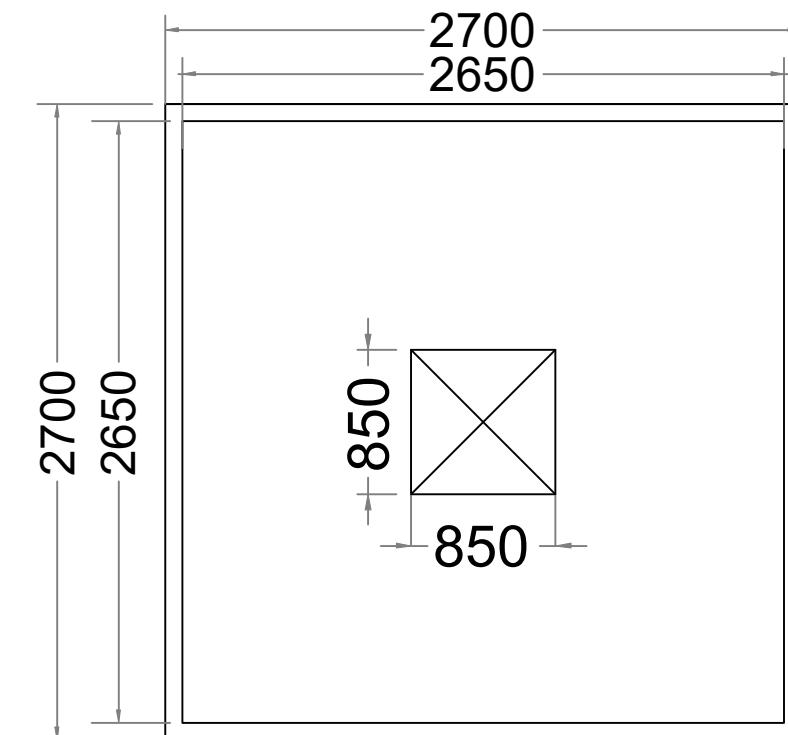
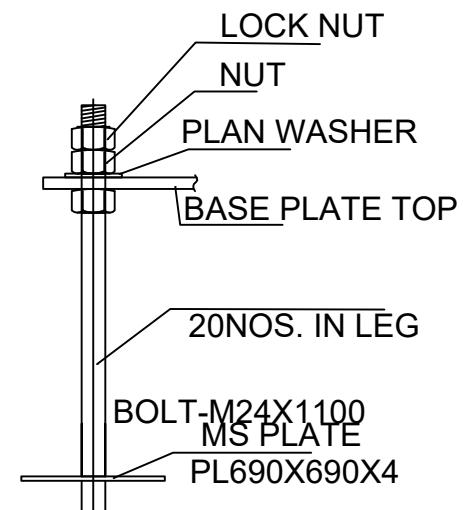
### Assumed parameters considered in foundation design:

Allowable net safe bearing capacity (NSBC) > 10 T/m  
Ground level water : Nil  
Depth of foundation : 1.75 M  
Material > 1600kg / m

Frustum angle > 10 deg  
Density of back filling

### Notes of foundation drawing:

1. This is a generic foundation drawing.
2. Before commencement of construction work using these designs, the owner/client/civil contractor shall carry out detailed soil investigation of every site. further, the soil investigation report shall be reviewed by a consultant and certification shall be obtained to ensure conformity between assumed parameters and soils report values before start construction.
3. The foundation design is applicable only when the assumed SBC is available at (or) within the 1.75m depth from E.G.L.
4. In the case of required SBC is not available at/ beyond 1.75m depth, this foundation design does not stand applicable.
5. This foundation design shall not be used in case of organic silt, organic clay or peat layers are found upto depth "2b" from founding level during soil investigation (where b=pad/raft width).
6. This foundation design shall not be adopted at sites where soil is subjected to ground improvement / liquefaction. in this case special foundation shall be done.
7. In case ground water table is not found within the foundation depth. This foundation design not stand applicable.



FOUNDATION



	NAME	SIGNATURE	DATE	CHANGES	NAME	SIGNATURE	DATE	NO:	TOLERANCE:	SCALE :	DRW. NO:	DRW. NAME:		ICON POWER SOLUTIONS(P) LTD.
DRAWN BY:	PANKAJ	PANKAJ	02.12.2025						$x \pm$ $xx \pm$ $xxx \pm$ $x.XXX \pm$ ANGLES $\pm$		ICGA10634-20M	20M SLIP JOINT MONOPOLE		
DESIGNED BY:	SUJITH	SUJITH	02.12.2025								REV: 00	SHEET NO: 1 OF 2	SIZE: A3	PROJECT NAME: BHUTAN TELECOM LTD. 2026
CHECKED BY:	SUJITH	SUJITH	02.12.2025											TEL : +91 124 4120600/01/02

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF ICON POWER SOLUTIONS (P) LTD. AND MAY NOT BE REPRODUCED, COPIED, DISCLOSED OR UTILIZED IN ANY WAY, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF ICON POWER SOLUTIONS (P) LTD.

## 20 M CIVIL FOUNDATION DRAWING

ICGA10798 MONOPOLE-20M Bar Bending Schedule														
Item	Position	Type	Dia. Of Rebar	Size	Size	Size	Length	Qty in Nos both ways or total	Unit wt	Total Weight of				
				a	b	c								
				(mm)	(mm)	(mm)	(mm)							
Raft Slab	Top	B	B12	2550	150	150	2850	21	0.89	53.27				
	Bottom	B	B12	2550	150	150	2850	40	0.89	101.46				
Column	Main	C	B25	2150	0	700	2850	12	3.86	132.01				
	Ties	D	B8	750	750	80	3160	15	0.40	18.96				
		D	B8	750	275	80	2210	30	0.40	26.52				
		A	B8	255	345	80	2560	5	0.40	5.12				
				Total						350.53				
* Chairs Shall be Provided whenever required														
Notes :														
1. Dimensions of Bars are along the Center Lines.														
3. Splicing of Bars should not be more than 50% Length of splice as per Standards.														

NOTE:-  
ALL DIMENSIONS ARE IN MM

DRAWN BY:	PANKAJ	SIGNATURE	DATE	CHANGES	NAME	SIGNATURE	DATE	NO:	TOLERANCE: X ± XX ± XXX ± X.XXX ± ANGLES ±	SCALE :	DRW. NO: ICGA10634-20M	DRW. NAME: 20M SLIP JOINT MONOPOLE	ICON POWER SOLUTIONS(P) LTD. 112-113, Sector-5, IMT Manesar, Gurugram, Haryana, INDIA-122050 TEL : +91 124 4120600/01/02
DESIGNED BY:	SUJITH	SUJITH	02.12.2025								REV: 00	SHEET NO: 2 OF 2	
CHECKED BY:	SUJITH	SUJITH	02.12.2025								SIZE: A3	PROJECT NAME: BHUTAN TELECOM LTD. 2026	

