DIRECTORATE GENERAL, CRPF
EAST BLOCK-7, SECTOR-1, R.K PURAM, NEW DELHI-66
e-mail: digeqpt@crpf[dot]gov[dot]in Tele No. 011-26109038

No. B.V-7-C/2026-27-C (Latticed Mast)-QR CELL Dated, the 15 May'2026

Subject: - REQUEST FOR COMMENTS OF STAKEHOLDERS /OEM/FIRMS ON DRAFT QRs & TDs OF "TRIANGULAR LATTICED AERIAL MAST (G.I)" REGARDING.

The Draft QRs/TDs of "**Triangular Latticed Aerial Mast (G.I)**" are attached as **Appendix 'A'**. The OEMs/Vendors are requested to forward information of the product, which they can offer and also forward correct specifications of their product against each parameter. Only complied or not complied remarks will not be accepted. The firms are also requested to furnish the following details: -

- Whether you are OEM/Vendor?
- If vendor, details of OEM required.
- Authorization certificate from OEM.

2. The required information/details may please be forwarded at the following addresses by 01 **June'2026**.

Communication Directorate, CRPF
East Block-7, Sec-1, R.K. Puram, New Delhi-110066
Email: comncell@crpf.gov.in

3. An early response is requested.

(Megh Raj)
DIG (Equipment)
Communication & IT Branch
Directorate General, CRPF

Draft QRs/TDs Triangular Latticed Aerial Mast (G.I)

Sn.	Parameters	Specifications 80 feet	Specifications 60 feet	Trial Directives
01	a) Total Height of Latticed Mast	80 Feet	60 Feet	BOO will check physically
	b) Number of Sections	08	06	BOO will check physically
	c) Height of One section	10 Feet	10 feet	BOO will measure the height of each section
	d) Vertical Member	M.S. Rod of 16 mm diameter ± 5%	M.S. Rod of 16 mm diameter ± 5%	BOO will measure the diameter with standard measuring tools
	e) Bracing	M.S. Rod of 7 mm diameter ± 5%	M.S. Rod of 7 mm diameter ± 5%	BOO will measure the diameter with standard measuring tools
	(f) Joint	Each section should have coupling/joining arrangement with an angle iron of 40 mm x 40 mm x 6 mm (± 5%) size at each end.	Each section should have coupling/joining arrangement with an angle iron of 40 mm x 40 mm x 6 mm (± 5%) size at each end	BOO will measure the diameter with standard measuring tools
2	Top Plate	M.S Plate of 5mm± 5% thickness having arrangement for installation of vertical and horizontal antenna	M.S Plate of 5mm± 5% thickness having arrangement for installation of vertical and horizontal antenna	BOO will measure the diameter with standard measuring tools
3	Base Plate	Hot dip Galvanized MS Plate of size 450 x 450 x 6 mm (± 5%) with Hinge arrangement for erection and putting down	Hot dip Galvanized MS Plate of size 450 x 450 x 6 mm (± 5%) with Hinge arrangement for erection and putting down	Board will check base plate physically and measure size with the help of standard measuring tools
4	Base Spike	G.I OF 450 mm x 16 mm dia ±5% (4 Nos)	G.I OF 450 mm x 16 mm dia ±5% (4 Nos)	Board will check physically and measure size with the help of standard measuring tools
5	Guy ropes stainless steel	3 No. 6 mm Diameter ± 5% steel GI Guy ropes at height of 20 Ft, 40 Ft, 60 Ft and 80 Ft., Total 12 Nos. Total length of guy ropes should be 320 Mtr.	3 No. 6 mm Diameter ± 5% steel GI Guy ropes at height of 20 Ft, 40 Ft and 60 Ft i.e. total 09 Nos. Total length of guy ropes should be 240 Mtr	Board will check physically and measure size with the help of standard measuring tools
6	Guy anchor	3 No. stakes/guy	3 No. stakes/guy	Board will check Guy

		anchors of T-iron angle of size 50 mm x 50mm x 6 mm and 900 mm (± 5%) long having Arrangement for fitment of 3 Nos. D Shackles.	anchors of T-iron angle of size 50 mm, X 50mm x 6 mm and 900 mm (± 5%) long having Arrangement for fitment of 3 Nos. D Shackles	anchor physically and measure size with the help of standard measuring tools
7	Straining Screws	12 No. of size 5/8" x 12" ± 5%	9 No. of size 5/8" x 12" ± 5%	Board will check Straining Screws/D shackles physically and measure size with the help of standard measuring tools
8	D Shackles	12 No. of size 3/8" ± 5%	9 No. of size 3/8" ± 5%	Board will check Straining Screws/D shackles physically and measure size with the help of standard measuring tools
9	Thimbles	24 Nos.	18 Nos.	Board will check practically
10	Bulldog Clamp	48 No of¼" size	36 No of ¼" size	Board will check practically
11	**Grade 304 stainless steel** Nuts & Bolts	As on reqd Basis	As on reqd Basis	Board will check practically
12	Base plate, Nails (base spike), Pegs, guy tensioner & clamps etc. should be made of hot dip Galvanized and of specification describe above.			Board will check practically
13	Lightening Arrester & Antenna Bracket: -			
	a) Lightening arrester	4 Ft long made of copper	4 Ft long made of copper	Board will check practically and measure size
	b) Lightening conductor	Copper wire of 8 SWG 120 ft long	Copper wire of 8 SWG 100 ft long	Board will check practically and measure size
	c) Antenna bracket	Antenna bracket for installation of antenna (As per user organization requirement)	Antenna bracket for installation of antenna (As per user organization requirement)	Board will check physically
	d) Earthing Rod	6 ft long G.I of 15 mm with copper coating of 2 mm	6 ft long G.I of 15 mm with copper coating of 2 mm	Board will check it physically as well as measure the size with the help of scale
14	**Specification for Installation kit for errection of 60/80 FT Latticed Aerial Mast**			
	a) Deric assembly: Deric assembly should be made of hot dip galvanized MS Pipe, whose out diameter is of 76 mm ± 5%, wall thickness to be 4 mm and having total length of 25 feet split in to 3 sections of 10ft + 10ft+5 ft duly flanged			Board will check practically as well as measure size with the help of scale
	b) Tirfor Pulling & Lifting Machine of minimum one-ton capacity			Board will check it physically as well as vendor will provide

		certificate from any Government accredited laboratory about machine capacity
	c) Hammer Sledge of 5 kg weight with wooden handle	Board will check it physically as well as with the help of weighting machine
	d) Safety Belt of ISI/BIS Mark	Board will check physically
Note: - The aerial installation kit should be compatible with any kind of 60/80 ft Latticed aerial mast.		
15.	First time installation done by the firm (Optional)	Firm will provide certificate in this regard
16.	Trolley system for hoisting/de-hoisting of antenna & cable/Lightning arrestor (Optional)	Board will check practically