



**DIRECTORATE GENERAL, CRPF**  
**EAST BLOCK-7, SECTOR-1, R.K PURAM, NEW DELHI-66**  
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No. B.V-7/2026-27-C-(36 Mast)-QR CELL

Dated, the 04 Aug'2026

To

1. The DsG: AR, BSF, CISF, ITBP, NSG, SSB and BPR&D
2. Director, DCPW

**Subject: QRs/TDs OF "36 FEET TUBULAR ALUMINIUM AERIAL MAST" REGARDING.**

I am directed to refer to the subject mentioned above and to say that the QRs/TDs of "**36 Feet Tubular Aluminium Aerial Mast**" have been approved by the DG CRPF after due deliberations and as per recommendations of Sub-Group of Technical Experts from CAPFs and experts from DCPW.

This is for favour of information and further needful please.

**Encl:-As above**

(Megh Raj)

**DIG (Equipment)**

**Communication & IT Branch**

**Directorate General C R P F**

No. B.V-7/2026-27-C-(36 Mast)-QR CELL

Dated, the 04 Aug'2026

**Copy to:-**

1. Mr. Deepak Kumar, Technical Director, 34016, 4<sup>th</sup> Floor, Kartavya Bhawan 3, Janpath Road, MHA, New Delhi-110001 (e-mail ID: [deepakg@gov.in](mailto:deepakg@gov.in)) with request to upload the QRs/TDs of "**36 Feet Tubular Aluminium Aerial Mast**" on MHA website please.

**Encl:-As above**

(Megh Raj)

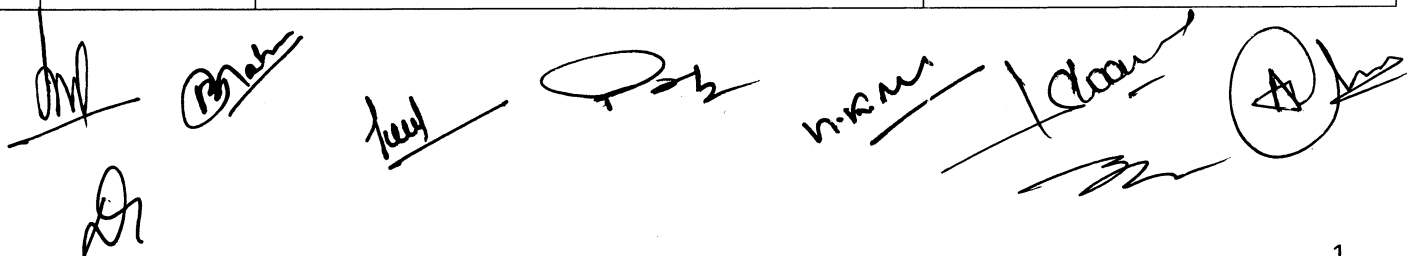
**DIG (Equipment)**

**Communication & IT Branch**

**Directorate General C R P F**

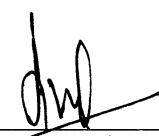
**QRs/TDs OF 36 FEET TUBULAR ALUMINIUM AE MAST**

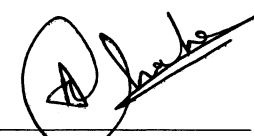
| S.N | Parameters       | Specifications                                                                                                                                                                                                                                            | Trial Directives                                                                                        |
|-----|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 01  | Mast Sections    | 06 No. Length: 6ft each. Material: Aluminium Alloy (6063-T6 preferred). Outer Diameter: minimum 50 mm Thickness: minimum 14 SWG (approx. 2 mm).<br>OG painted for corrosion protection                                                                    | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 02  | Coupling Pipes   | 05 No. Length: minimum 12 inches. Outer Diameter: 45 mm. Thickness 14 SWG (approx. 2 mm) or better Material: Cold Rolled Coiled (CRC) Steel. Finish: Galvanized with Nut/Bolt locking mechanism                                                           | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 03  | Mounting Bracket | 01 No. Stainless Steel (SS) Universal Antenna mounting bracket with heavy-duty U-clamp and bolts                                                                                                                                                          | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 04  | Base Plate       | 01 No. Dimensions: Minimum 300 x 300 x 5mm. Material: Mild Steel (MS) Sheet. Finish: Hot-dip Galvanized for corrosion resistance with 4 No. ground fixing nails of minimum 300mm x 14mm & Hinge arrangement for erection and putting down of Mast section | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 05  | Ground Pegs      | 03 No. Galvanized Angle Iron (minimum 40 mm x 40 mm x 6 mm with Top Hammering cap thickness 10 mm). Length: 24 inches. Sufficient for soil anchoring. With proper Rope locking heavy duty GI MS Rings                                                     | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 06  | Guy Ropes        | Kevlar Rope Diameter: minimum 6mm. Lengths: minimum 54ft and 34ft- 3 No. each with Stainless Steel S-Hooks of 4 Inch with thickness minimum 5 mm and with tensioners                                                                                      | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 07  | Guy Plates       | 02 No. (Middle Plate – 01 No. with 03 holes & Top Plate-01 No. with 04 holes) MS Sheet thickness 5mm, with integrated Hole. Finish: Galvanized. Designed for multi-point tethering.                                                                       | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 08  | Pulley           | 01 No. SS pulley with S hook (Approx. Size 4 Inch with minimum thickness 5 mm) for smooth hoisting of the antenna/ halyard                                                                                                                                | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 09  | Halyard          | 01 No. Kevlar rope Length Minimum 80 ft Diameter: minimum 4 mm                                                                                                                                                                                            | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |

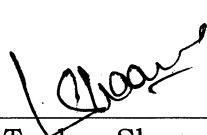


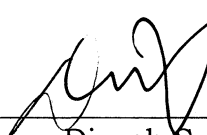
| S.N | Parameters                               | Specifications                                                                                                                                                                                             | Trial Directives                                                                                        |
|-----|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 10  | Carry Bags                               | Heavy-duty Canvas bags for man portability with load balance. One bag for Mast sections and one bag for all other items                                                                                    | Board will check practically                                                                            |
| 11  | Lightning Arrester & Earthing (Optional) | Lightning Spike of Copper with proper fitting at top of the mast, Earth Nail Minimum 16mm thickness and 24-inch length of copper material, Copper wire of 8 SWG to connect lightning spike with earth nail | Firm will submit Certificate of Govt/ NABL accredited Lab for Material and Board will check practically |
| 12  | Accessories (Optional)                   | Hammer Sledge- minimum 5 lbs with wooden handle, D-Spanner suitable for fitting nut-bolts, Combination pliers- 8 inch                                                                                      | Board will check practically                                                                            |

  
W/O Balendra Singh  
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 Approved/  Not Approved

  
(Gyanendra Pratap Singh, IPS)  
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