



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



No. B.V-7-C/2025-26-C(JWD)-QR CELL

Dated, the 28 Jan'2026

Subject: - REQUEST FOR COMMENTS OF STAKEHOLDERS /OEM/FIRMS ON DRAFT QRs & TDs OF "FIELD TELEPHONE CABLE (JWD-1)" REGARDING.

The Draft QRs/TDs of "**Field Telephone Cable (JWD-1)**" is 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 28 February'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 of FIELD TELEPHONE CABLE (JWD-I)

| SN | Parameter | Proposed specifications | Trial Directives |
|-------|------------------------|---|--|
| 1 | Characteristics | | |
| (i) | Conductor | (a)Copper wires used for conductor shall be 4 no of size 0.29mm $\pm 5\%$ in diameter (b) Galvanized steel wires used for tensile strength shall be 3 no of size 0.29mm $\pm 10\%$ in diameter | BOO will Check physically |
| (ii) | Insulation | (a) Insulation materials should be of High-Density Poly Ethylene (HDPE) (b) Overall Diameter of each insulated conductor shall be 2.36mm ± 0.1 mm | OEM certificate or Test report from any Govt accredited laboratory |
| (iii) | Twisting | Twisting pitch at 210 mm maximum averaged over 3M length to form a twisted pair | BOO will Check physically |
| 2 | Performance | | |
| (i) | Temp Range | -40°C to 80°C | OEM certificate or Test report from any Govt accredited laboratory |
| (ii) | Resistance of core | 76 ohm/Km is maximum Resistance of core at 20°C | |
| (iii) | Test voltage | 1 KVA AC | |
| (iv) | Pair Capacitance | Capacitance Value of (37 \pm 2) pf/m | |
| (v) | Impedance | 600 Ohm at 1.6 khz | |
| (vi) | Attenuation | 1.4 db/Km at 1.6 khz | |
| (vii) | Breaking strength | Minimum breaking load of the single strained of insulated strand shall not be less than 38 kg. | OEM certificate or Test report from any Govt accredited laboratory |
| 3 | Standard Length | The standard length of wire of every spool/Drum should be 1600 meter $\pm 1\%$ or 1000 mtr $\pm 1\%$ (User may quote length in drum during tender | BOO will Check physically |
| 4 | Iron Drum | Iron spool drum made of Iron sheet of thickness 1mm. The other measurement of Drum are as under: - Spool: - Length 23 cm Diameter: - 13 cm Wings - Diameter: – 40 cm | BOO will Check physically |
| 5 | Colour | Colour of the cable will be Black | BOO will Check physically |