



DIRECTORATE GENERAL, CRPF
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No. B.V-7-C/2025-26-C(JWD)-QR CELL

Dated, the 12 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 26 **January'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