



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

Dated, the 20 March'2026

Subject: - REQUEST FOR COMMENTS OF STAKEHOLDERS /OEM/FIRMS ON DRAFT QRs & TDs OF "MAINS BATTERY CHARGER" REGARDING.

The Draft QRs/TDs of "**Mains Battery Charger**" 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 20 **March'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 MAINS BATTERY CHARGER

S.N.	PARAMETERS	SPECIFICATIONS	TRIAL DIRECTIVES
1	Charger technology	SMPS or latest technology	BOO will check practically
2	Compatibility with battery type	VRLA-SMF	BOO will check practically
3	Number of Independent charging stations in numbers	1 to 5 stations (as per user requirement)	BOO will check practically
4	Input Voltage Range AC (Single phase, Sine wave, 50Hz)	110- 260V (ISI marked AC Power Cord of min 2 mtr length to be provided)	BOO will check practically
5	AC surge protection	Yes	Firm will submit OEM certificate
6	AC Over Current Protection	Yes	Firm will submit OEM certificate
7	AC Over voltage cut-off protection	Over voltage protection at 270-volt AC at input and automatic recovery at 260-volt AC when the voltage is reduced from 270-volt AC	BOO will check practically
8	Soft start and soft stop feature without inrush current	Yes	BOO will check practically
9	Facility for charging deep discharged battery	Yes	BOO will check practically
10	Digital display for output voltage and current for each station	Yes	BOO will check practically
11	Indications for Charging Status, Charged condition status and reverse polarity for each station	Yes	BOO will check practically
12	Charging Cable of Min 6 sq.mm Size of ISI marked multistrands flexible copper cable for each station.	1.5 mtr or more (as per user requirement)	BOO will check practically
13	Battery/battery bank Voltage (Volts)	12 Volts per station	BOO will check practically
14	Capacity of the battery to be charged (User Selectable) (AH)	7 AH to 160 AH	BOO will check practically
15	Provision for adjustable charging current	Yes	BOO will check practically
16	Maximum Charger output current (Amp)	16 Ampere per station	BOO will check practically
17	Charging Cut-off Voltage per 12V battery (Volts)	14.5 volt +/-0.2 volt	BOO will check practically
18	Efficiency (%)	≥ 75%	BOO will check Practically and Firm will submit OEM certificate
19	Reverse Polarity Protection	Yes	BOO will check practically
20	Short Circuit Protection	Yes	BOO will check practically
21	Operating temperature	-20 °C to + 55 °C	Firm will submit certificate of Govt. Lab. or NABL accredited laboratory
22	Storage temperature	-30 °C to 60 °C	Firm will submit certificate of Govt. Lab. or NABL accredited laboratory