



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-7/2025-26-C-(MBC)-QR CELL

Dated, the 14 May'2026

To

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

Subject: QRs/TDs OF "MAINS BATTERY CHARGER" REGARDING.

I am directed to refer to the subject mentioned above and to say that the QRs/TDs of "**Mains Battery Charger**" 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 & BPR&D.

2. Hence, QRs/TDs of "**Mains Battery Charger**" forwarded earlier vide letter No. B.V-7/2024-25-C-(MBC) dated 30/09/2024 stand rescinded please.

Encl:-As above

(Megh Raj)

DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

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

Dated, the 14 May'2026

Copy to:-

1. Mr. Deepak Kumar, Technical Director, 34016, 4th Floor, Kartavya Bhawan 3, Janpath Road, MHA, New Delhi-110001 (e-mail ID: deepakg@gov.in) with request to upload the QRs/TDs of "Mains Battery Charger" on MHA website and QRs/TDs of "Mains Battery Charger" forwarded earlier vide letter No. B.V-7/2024-25-C-(MBC) dated 30/09/2024 stand rescinded please.


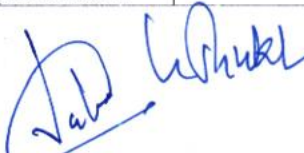

Encl:-As above

(Megh Raj)

DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

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 Additional (Li-Ion, Ni-Cd, Ni-MH, and Li-Po- as per user requirement)	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 150 AH or above As per user requirement	BOO will check practically
15	Provision for adjustable charging current	Yes	BOO will check practically
16	Maximum Charger output current (Amp)	12 Ampere per station or above As per user requirement	BOO will check practically

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QRs/TDs OF MAINS BATTERY CHARGER

S.N.	PARAMETERS	SPECIFICATIONS	TRIAL DIRECTIVES
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

D. Raju

AC-II Dasara Raju
NSG

H. Shukla

Insp/Tele H.K. Shukla
ITBP

through v.c

Kailash Leel, AC
Assam Rifles

Satish Kumar Mahla

Satish Kumar Mahla
AC (Comn), SSB

B. Y.

Bhavna Subhash Yadav
AC(Exe), CISF

Ujjwal Kumar Singh

Ujjwal Kumar Singh
AC(QR), CRPF

Sunil Kumar

Sunil Kumar, AD
DCPW

Binay Kumar

Binay Kumar
AD, BPR&D

Chandra Prakash

Chandra Prakash
DC (Eqpt), BSF

Narendra Singh

Narendra Singh
DC (Comn), CRPF

Megh Raj

Megh Raj
DIG (Eqpt), CRPF

Rajesh Kumar

Rajesh Kumar
IG (Comn & IT),
CRPF

Zaki Ahmad

Zaki Ahmad, IPS
SDG (ADM), CRPF

✓
Approved/ Not Approved

Gyanendra Pratap Singh

Gyanendra Pratap Singh, IPS
DG, CRPF