



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

Dated, the 7th Nov'2025

Subject: - REQUEST FOR COMMENTS OF STAKEHOLDERS /OEM/FIRMS ON DRAFT QRs/TDs OF "SMF VRLA BATTERY" REGARDING.

1. The Draft QRs/TDs of "SMF VRLA Battery" 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 system 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.
- Authorization certificate from OEM.

2. The required information/details may please be forwarded at the following addresses by **19 November'2025**.

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 SMF VRLA BATTERY

SLNo.	Specifications	Parameters	Trial Directives
1	Type of Battery chemistry	SMF VRLA (Sealed Maintenance Free - Valve Regulated Lead Acid)	The board will check it physically. The supplier shall furnish a complete & satisfactory type test certificate from NABL/STQC accredited/Govt laboratory as per IS 15549 or latest Indian standard of these batteries.
2	Nominal Capacity	7Ah and above @ C/20 rating (as per user requirement)	The board will carry out the rated capacity test and high discharge characteristic with the help of standard testing instruments as per IS 15549 or latest Indian standard for these batteries
3	Nominal Voltages	12V	The board will ensure that voltage of battery is as per specification by measuring with the help of standard measuring instrument
4	Container/Cover material	The battery container and casing should make of Polycarbonate (PC) or Acrylonitrile butadiene Styrene (ABS) or PC+ABS blend, or newly developed better material	The board will check it physically. The firm shall provide a certificate about material used in battery housing.
5	Weight	As per IS 15549 latest or similar to weight of branded manufacturer battery of rated capacity	The board will measure weight of battery with the help of weighting machine and ensure that it is as per IS 15549 standards or similar of branded manufacturer battery of rated capacity
6	Dimension and marking	As per IS 15549 or latest similar to size of branded manufacturer battery of rated capacity	The board will check the dimension and marking and ensure that it is as per IS 15549 standards or similar of branded manufacturer battery of rated capacity
7	Terminal type	As per IS 15549 or any latest Indian standard.	The board will check physically that terminal of battery is as per IS 15549 or latest Indian standards.
8	The quoted battery should full fill the following specifications as per the per IS 15549 or latest Indian equivalent standard. I. General Requirements		Firm will produce Test report of the all parameter shown under para-8(I to VIII) as IS 15549 standard for these

	II. Capacity Tests III. High rate discharge test IV. Charge acceptance test V. Gas recombination VI. Max. Permissible current VII. Endurance life cycle test VIII. Retention of charge	batteries from Govt of India approved laboratory. Board will check these certificates and will ensure that test report is complying above standards
9	At least the following items shall be adequately designated on the battery: - I. Type designation II. Nominal voltage III. Rated, capacity IV. Month & Year of Manufacturer. V. Supplier name and /or trade mark VI. The battery shall carry a marking of polarity of both terminals by plus symbol (+) and minus symbol(-) on the lid adjacent to the terminals Additional data such as recommended charging voltage, charging current, capacity at other discharge rates, battery mass shall be supplied with the battery in a suitable way.	The board will check it physically that label of battery is as per specifications.