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-(L/BTY)-QR CELL Dated, the 1st March'2026

To

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

Subject: CORRIGENDUM ON APPROVED QRs/TDs OF "LITHIUM BATTERY FOR USE WITH RADIO SET IN MOBILE ROLE " REGARDING.

I am directed to refer to the subject mentioned above and to say that the **Corrigendum on approved QRs/TDs Of "Lithium Battery for use with Radio Set in Mobile Role"** 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.

Encl:-As above

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

No. B.V-7/2025-26-C-(L/BTY)-QR CELL Dated, the 1st March'2026

Copy to:-

1. Mr. Deepak Kumar, Technical Director, North block, MHA (e-mail ID: deepakg@gov.in) with request to upload the **Corrigendum on Approved QRs/TDs of "Lithium Battery for use with Radio Set in Mobile Role"** on MHA website please.

Encl:-As above

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

CORRIGENDUM FOR APPROVED QRs/TDs OF "LITHIUM BATTERY FOR USE WITH RADIO SET IN MOBILE ROLE"

For Existing Trial Directives	Read as Amended Trial Directives
TDs Sl. No. 5, Board will check it physically as well as firm will provide Govt. or NABL accredited lab certificate about used material in power pack casing. Lab report should not be more than 2 years old	BOOs will check it physically as well as firm will provide Govt. or NABL accredited lab certificate about used material in power pack casing
TDs Sl. No. 11, The BOOs will check the Environmental Test certificate submitted by the firm is conducted in Government or NABL accredited lab. Lab report should not be more than 2 years old	BOOs will check the Government or NABL accredited lab Environmental Test Certificate submitted by the firm

W/O Vikas Godara
Assam Rifles

AC-II Manish Kumar
NSG

Satish Kumar Mahla, AC
SSB

Manas Kumar Dey, AC
CISF

Ujjwal Kumar Singh
AC(QRs), CRPF

Sunil Kumar, AD
DCPW

Binay Kumar, AD
BPR&D

Praveen Singh Rawat, DC
BSF

Rajendra Singh Shekhawat
DIG(Comn/Eqpt), CRPF

Vijay Kumar
IG (Comn& IT), CRPF

Zaki Ahmad
SDG (ADM), CRPF

Approved/Not Approved

Gyanendra Pratap Singh, IPS
DG, CRPF

(99)

GOVERNMENT OF INDIA
(Ministry of Home Affairs)
COMMUNICATION & IT DIRECTORATE
CENTRAL RESERVE POLICE FORCE
EAST BLOCK-7, SEC-1, R.K. PURAM, NEW DELHI-110066
(Email:- comncell@crpf.gov.in Tele/Fax:011-26109038)

No. B.V-7/2024-25-C-Q Dated, the 28 Nov'2024

To

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

Subject: Regarding Corrigendum with approved QRs/TDs of "Lithium Battery for use with Radio set in Mobile Role".

I am directed to refer on the subject mentioned above and to say that the **Corrigendum with approved QRs/TDs of "Lithium Battery for use with Radio set in Mobile Role"** has been approved by the DG CRPF after deliberation and recommended by CAPFs sub-group and experts from DCPW.

Encl:-As above

28/11/24
{Amit Taneja}
DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

No. B.V-7/2024-25-C-Q Dated, the Nov'2024

Copy to:-

3. Mrs. Sugandhi, Technical Director, North block, MHA with request to upload the **Corrigendum with approved QRs/TDs of "Lithium Battery for use with Radio set in Mobile Role"** on MHA website (e-mail ID: mpsugandhi@nic.in) and QRs/TDs of **"Lithium Battery for use with Radio set in Mobile Role"** has forwarded earlier vide letter No.B.V-7/2024-25-C(LBTY) dated 30/09/2024 is rescinded.

Encl:-As above

28/11/24
{Amit Taneja}
DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

GOVERNMENT OF INDIA
(Ministry of Home Affairs)
DIRECTORATE GENERAL
CENTRAL RESERVE POLICE FORCE
EAST BLOCK-7, SEC-1, R.K. PURAM, NEW DELHI-110066
(Tele/Fax No-011-26107493, Email-Id: comncell@crpf.gov.in**)**

No. B.V-7/2024-25-C-Q Dated, the Nov'2024

Corrigendum for Approved QRs/TDs of "Lithium Battery for use with Radio set in Mobile Role"

Existing Specification	Amended Specification
QRs/TDs Sl.No. **11.2(f)** : Storage Test: IS 9000: Part III/Sec-5/1977 & -40 Degree C for 5 Hours IS 9000: Part II/Sec-4/1977 The Raise temperature to 70°C for 16 Hrs.	QRs/TDs Sl.No. **11.2(f)**: Storage Test: IS 9000: Part III/Sec-5/1977 or equivalent /latest The Raise temp to 70°C for 16 Hrs. IS 9000: Part II/Sec-4/1977 or equivalent/latest -40°C for 5 Hours
QRs/TDs Sl.No. **11.2(g)** Bump Test: Part Vii/Sec-2/1979 4000 bumps at peak acceleration of 400m/s sq.	Not a Part of the approved QRs/TDs

(N.Sub R.D. Ansari)
Assam Rifles

(SI/Exe S. D. Arya)
CISF

(Insp/Comn Harendra Sharma)
SSB

(AC-I P.K. Yadav)
NSG

(Sibu Prasad Bhowmick,AC/Tele
ITBP

(Gagan Deep Singh, 2IC)
BSF

(Navdeep Sharma, JAD)
DCPW

(Ujjwal Kumar Singh)
AC(QRs),CRPF

(Amit Taneja)
DIG(Comn/Eqpt), CRPF

26/11/24

(Syed Mohammad Hasnain)
IG (Comn& IT), CRPF

26/11

(Vitul Kumar, IPS)
SDG (OPS), CRPF

Approved/Not Approved

(Sh. Anish Dayal Singh,IPS)

DG, CRPF

QRs/TDS "Lithium battery for use with Radio set in Mobile role".

Sl No	Specification	Parameters	Trial Procedure
1	Application	For use with HF-20/25W /VHF/UHF 20/25W Radio Set in Mobile role (User organization will decide during procurement for which set battery is required).	Board will check it practically by fitting it in desired Radio set and will ensure that it work properly.
2	Type of Battery/ Chemistry	Lithium-Ion/polymer (user organization will decide type of chemistry required during procurement)	Board will check it physically and will ensure that chemistry of battery is as per tender specification and certificate required from OEM.
3	Rated Capacity	8/10/12/14/18/23AH or higher capacity @ C5 rating (user organization will decide capacity of chemistry required during procurement)	Board will check it practically with the help of standard testing instruments and will ensure that it is as per tender specifications.
4	Voltage	14.4/14.8 V (Nominal), 16. 8V (peak) , 10.0V (cut-off)	Board will check practically by measuring battery voltage with the help of multi meter.
5	Packing	The power pack casing should make of PC/ PC+ABS/ABS blend (Acrylonitrile Butadiene Styrene) or newly developed better material.	Board will check it physically as well as firm will provide Govt. or NABL accredited lab certificate about used material in power pack casing. Lab report should not be more than 2 years old.
6	Weight	Max. Weight for 8AH &10AH- 1100 gram +10%, 12AH & 14AH -1400 gram +10%, 18AH-1600 gram+10%,23AH-1800 gram +10% or less	Board will measure weight of battery with weighing machine.
7	Size	International Size-Matches dimension of any international equipment according to the capacity of battery. Battery should be compatible with radio set in the same manner as per OEM supplied rated capacity battery where ever applicable.	Board will practically checked the battery after fitted in the radio set for which these batteries are being procured where ever applicable and ensure that it does not affecting function of the radio set .

8	**Accessories**:- i. 2 long trail-tech female co-axis connector (optional) ii. 2 long trail-tech male plug and other end shall have two pin plug for connecting with Motorola 25W set (optional) iii. Carry pouch with belt loop for safe and secure carrying (optional)	Board will check it physically/ practically.
9	**Protection** : - Battery pack should be equipped with protection circuit to protect from :- Over Charge, Over Discharge, Over Temperature, Over Current, Short Circuit & Reverse Polarity etc.	Board will check practically that battery is provided with safety circuit for all parameters. Firm will also submit certificate in this regard.
10	**The label of the battery should be self descriptive type and specified the following:-** a) Battery voltage/Capacity, Month & Year of Manufacturer & trade mark " Logo" of the firms to be embossed / heat stamped/Chemistry of cells, Serial Number of & part of battery.	Board will check physically that description mentioned in Para is available on battery.
11	The battery should pass the Environmental Tests mentioned as under, as per IS:9000 or any equivalent/ standard followed by Capacity Test @ C/5 rate. 1. Equipment shall be suitable for operation in the following environmental conditions. a. Operating Temp. Range : - 10 °C to + 55 °C b. Storage Temp. Range : - 40 °C to + 70 °C c. Relative Humidity : 95% Max at + 40 °C non-condensing. 2. Tests to be conducted and Conditions of tests as per IS: 9000; a) Dry Heat: Part III/SEC.5/1977 55 degree C ± 2 degree C, RH < 50%, Duration 16 hrs. b) Damp Heat (Cyclic) Test : Part V/SEC. 2/variant-1/1981 40 degree C (+/-) 2 degree C, RH 95%, Two cycles of 24 (12+12) hrs each. c) Cold Test: Part II/ SEC. 4/1977 (-) 10 degree C +/- 3 degree C, Duration 16 hrs. d) Drop Test(in packed) : Part VII/SEC.3/1979 Six drops one on each condition face, Height of fall 1000mm in case of hand held items and 500mm in case of other items. e) Vibration Test : Part VIII/1981 12 hours, 4 hours along with each axis at 15-150Hz and with amplitude of 0.15mm/2g f) Storage Test: Part III/ SEC. 5/1977 & -40 degree C for 5 hours. Part II/SEC. 4/1977 Then raises the temperature	The BOOs will check the Environmental Test certificate submitted by the firm is conducted in Government or NABL accredited lab. Lab report should not be more than 2 years old

Latest

	to 70 degree C for 16 hrs. g) Bump test: Part VII/SEC.2/1979 4000 bumps at peak acceleration of 400m/s sq. 3. Environmental test Report with equivalent or superior conditions would be acceptable. 4. The functional tests and permissible degradation shall be as under: No degradation in battery capacity when measured at C/5 rate.	

(Nb/Sub M.P.Tyagi)
Assam Rifles

(SI/Exe T.G.Naidu)
CISF

(SI/RM Kailash Kumar Chandel)
BSF

(Sibu Prasad Bhowmick)
AC/T) ITBP

(P.N.Chourasia,DC(Comn)
SSB

(Major Abhijeet Singh)
NSG

(Sunil Kumar Singh)
DC(Comn),CRPF

Vivek Kumar Gupta,
Asstt. Director), DCPW

25/09/24
(P.C.Jha)
DIG(Comn/Eqpt), CRPF

25/9/24.
(Syed Mohammad Hasnain)
IG (Comn& IT), CRPF

25/9
(Vitul Kumar, IPS)
SDG (OPS), CRPF

Approved/Not Approved

(Sh.Anish Dayal Singh, IPS)
DG, CRPF