


महानिदेशालय, राश्ट्रीय सुरक्षा गारद भारत सरकार (गृह मंत्रालय) सम्भरण षाखा/आयुद्ध अनुभाग मेहराम नगर, पालम, नई दिल्ली- 110037 फैक्स नम्बर- 011.25663258 25671639		Directorate General National Security Guard Govt. of India/Ministry of Home Affairs (Provisioning Branch/Ord Section) Mehram Nagar, Palam, New Delhi-110037 Fax No. 011-25663258/25671639
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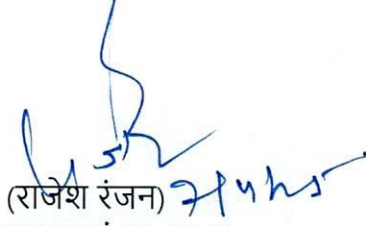
सं०-पी/604/389/2025/एचएचएमडी/सम्भ०(ऑर्ड)/मु०रा०सु०गा०/ई/151563/1781 दिनांक ०७ अप्रैल 2025

अनुभाग अधिकारी  
आई०टी०सेल, गृह मंत्रालय  
एन०आई०सी०, नार्थ ब्लॉक  
नई दिल्ली  
Email : soit@nic.in

**CORRIGENDUM TO SER NO 3 OF QUALITATIVE REQUIREMENT (QRs) AND  
TRIAL DIRECTIVES (TDs) OF HAND HELD METAL DETECTOR AGAINST  
PARAMETER "POWER SOURCE"**

1. Kindly refer MHA (PM Division) letter No IV.17018/03/2007-Prov-I dated 12 Feb 2013 and letter No IV-17018/3/2007-Prov-I/1069 dated 21 Aug 2012.
2. In this regard, Directorate General, BSF vide letter No. P-63011/Pro-II(HHMD)/Ord/BSF/5 dated 01<sup>st</sup> Jan 2025 requested to amend parameter "Power source" at sl. No. 3 of MHA approved QRs and TDs of Hand Held Metal Detector (HHMD).
3. In this regard, Corrigendum to S. No 3 of the above QRs/ TDs against parameter "Power Source" approved by DG, NSG is enclosed herewith for uploading the same along with existing QRs/ TDs of Hand Held Metal Detector (HHMD) approved vide MHA (PM Division) letter No IV.17018/03/2007-Prov-I dated 12 Feb 2013 and letter No IV-17018/3/2007-Prov-I/1069 dated 21 Aug 2012 on MHA website (PM Division - QRs under BDD Equipment Category) in approved QRs/TDs and delete the old QRs/ TDs shown at Sl No. 46 of BDDs equipment category please.
4. Submitted for your information and further necessary action please.

Encl: As above

  
(राजेश रंजन)  
ग्रुप कमांडर (क्रय)  
फोन- 011-25663100  
ईमेल- gcproc@nsg.gov.in

सं०-पी/604/389/2025/एचएचएमडी/सम्भ०(ऑर्डर)/मु०रा०सु०गा०/ई'151563/1780 दिनांक १५ अप्रैल 2025

1. IG/Director (R&D), BPR&D, Mahipalpur, New Delhi Email : igmod@bprd.nic.in dd-mod@bprd.nic.in	2. ADG, PP & T, DGQA, Govt of India, MoD, Department Defence Production, Directorate of Quality Assurance, New Delhi-110011 Email : saarmt-dgqa@gov.in
3. DIG (Prov), CRPF, CGO Complex, New Delhi Email : digprov@crpf.gov.in	4. DIG (Prov), BSF, CGO Complex, New Delhi Email : digprovfhq@bsf.gov.in comdtord@bsf.nic.in
5. DIG (Prov), CISF, CGO Complex, New Delhi Email : digprov@cisf.gov.in	6. DIG (Prov), ITBP, CGO Complex, New Delhi Email : digprov@itbp.gov.in
7. DIG (Prov), SSB, RK Puram, New Delhi Email : cr.ssbdel@nic.in digprov@ssbdel@nic.in	8. DIG (Prov), Assam Rifle (Through LOAR) Email : loar-mha@nic.in

**CORRIGENDUM TO SER NO 3 OF QUALITATIVE REQUIREMENT (QRs) AND  
TRIAL DIRECTIVES (TDs) OF HAND HELD METAL DETECTOR AGAINST  
PARAMETER "POWER SOURCE"**

1. Kindly refer MHA (PM Division) letter No IV.17018/03/2007-Prov-I dated 12 Feb 2013 and letter No IV-17018/3/2007-Prov-I/1069 dated 21 Aug 2012.
2. In this regard, as per request of Directorate General, BSF vide letter No. P-63011/Pro-II (HHMD)/Ord/BSF/5 dated 01<sup>st</sup> Jan 2025, a meeting under the Chairmanship of IG (Prov), HQ NSG along with technical experts of all CAPFs and representative of BPR&D was assembled at HQ NSG on 20<sup>th</sup> Mar 2025 to discuss on SI. No.3 of the above QRs/ TDs against parameter "**Power Source**".
3. Further, after exhaustive deliberation, the members of the Board of Officers opined/ recommended that draft QRs/TDs of parameter 'Power Source' in Ser No. 3 of existing MHA approved Technical Specification/QRs dated 21<sup>st</sup> Aug 2012 and TDs dated 12<sup>th</sup> Feb 2013 should be amended and corrigendum against the parameter may be issued to all concerned after approval of competent authority.


Contd°...



4. Hence, corrigendum to Sl. No.3 of the above QRs/ TDs against parameter "**Power Source**" is forwarded herewith as under: -

S. No	For		Read	
	Existing QRs	Existing Trial Directives	Revised QR	Revised Trial Directives
3.	<b>Power Source</b> Alkaline battery 3 volt (1.5 x 2), volt should run minimum 550 hrs on 10% detection rate.	Certificate from a national / international accredited lab will be the acceptance criteria.	<b>Power Source</b> (a) <b>Primary Battery.</b> Any primary battery like Alkaline/ Lithium/ Silver Oxide/ Zinc-Carbon etc 3 volt (1.5 x 2). Battery should run minimum 550hrs on 10% detection rate.  <b>OR</b> (b) <b>Secondary Battery.</b> Any commercially available rechargeable battery having endurance of minimum 12 hours on single charge & lifespan of minimum two years.	Certificate from a national / international accredited lab/ Special Instrument Workshop of BSF/ Base Repair Workshop of concerned CAPFs will be the acceptance criteria.  Battery usage to be checked physically by BOO by keeping the equipment switched 'ON' for 12 hrs continuously and checking detection of any metallic object for minimum 5 mins duration every hour.

5. This has the approval of DG, NSG on E-Note Sheet No # 05 dated 03 Apr 2025.

  
 (राजेश रंजन)  
 ग्रुप कमांडर (क्रय)  
 फोन- 011-25663100  
 ईमेल- gcproc@nsg.gov.in

**Copy to: -**

1.	JS (PM), MHA, Jaisalmer House, New Delhi	For information please.
2.	Ops (WE), HQ NSG	For info and necessary action please.
3.	SC (Prov) GeM, HQ NSG	For info and necessary action for uploading in GeM.

Proceeding of : Board of Officers

Assembled at : HQ NSG, Palam, New Delhi

On the day of : 20<sup>th</sup> Mar 2025

By the order of : HQ NSG letter No P/604/2025/389/ESM/Prov(Ord)/HQ NSG/E-150554/1468 dated 17<sup>th</sup> Mar 2025.

For the purpose of : To discuss the issue of lab certificate against parameter "Power Source" at S. No 3 of existing QRs and TDs of Hand Held Metal Detector (HHMD) as intimated by Directorate General BSF and to issue corrigendum to the same.

**BOARD OF OFFICERS**

Presiding Officer : Princee Rani, IPS, IG (Prov), HQ NSG

Members

1. : Sh. Akhilesh Kumar Tiwari, GC (Proc), HQ NSG
2. : Lt Col Sumit Kumar, WE Br, HQ NSG
3. : Maj Sagar Singh, TC, BD Unit, NSG
4. : Sh. Rahul Khalsa, DC (ATO), SSB.
5. : Sh. Nemi Chand, DC, ITBP.
6. : Sh. Nitish Tomar, Dy Comdt, CISF.
7. : Sh. Swapan Chakraborty, Insp, SIW BSF.
8. : Sub Jagdish Prasad Gaur, Assam Rifles.

Co-opted member : Col Atul Chopra (Retd.) BPR&D

1. The board had assembled to discuss the issue raised by Directorate General, BSF vide their letter No. P-63011/Pro-II (HHMD)/Ord/BSF/5 dated 01 Jan 2025 regarding Trial Directives of parameter "Power Source" at S. No 3 of MHA approved QRs dated 21 Aug 2012 and TDs dated 12 Feb 2013 of Hand Held Metal Detector (HHMD).



2. The existing QR/ TD of parameter "Power Source" of Hand Held Metal Detector (HHMD) is as under: -

<u>Srl No of QRs/ TDs</u>	<u>QRs</u>	<u>Trial Directives Read For</u>
3	Power Source: Alkaline battery 3 volt (1.5 x 2), volt should run minimum 550 hrs on 10% detection rate.	Certificate from a national / international accredited lab will be the acceptance criteria.

3. Directorate General, BSF asked comments on their suggestion that, if the above parameter is checked by Special Instrument Workshop (SIW) of BSF, will its report be valid for Standing Technical Evaluation Committee (STEC) during the procurement stage.

4. The board of officers had carried out detailed discussion on the above issue and enquired about difficulties being faced by other CAPFs for getting national/ international accredited lab certificate for QRs "Power Source" by vendors during the procurement process. After exhaustive deliberation, the members of the board opined to amend the existing QRs/TDs of Hand Held Metal Detector (HHMD) against parameter "Power Source" as under: -

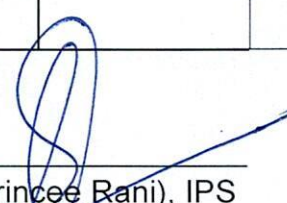
<u>Srl No of QRs/ TDs</u>	<u>Existing QRs</u>	<u>Existing Trial Directives</u>	<u>Revised QR</u>	<u>Revised Trial Directives</u>
3	Power Source: Alkaline battery 3 volt (1.5 x 2), volt should run minimum 550 hrs on 10% detection rate.	Certificate from a national / international accredited lab will be the acceptance criteria.	<p><b><u>Power Source</u></b></p> <p>(a) <b><u>Primary Battery.</u></b> Any primary battery like Alkaline/ Lithium/ Silver Oxide/ Zinc-Carbon etc 3 volt (1.5 x 2). Battery should run minimum 550hrs on 10% detection rate.</p> <p><b>OR</b></p> <p>(b) <b><u>Secondary Battery.</u></b> Any commercially available rechargeable battery having endurance of minimum 12 hours on single charge &amp; lifespan of minimum two years.</p>	<p>Certificate from a national / international accredited lab/ Special Instrument Workshop of BSF/ Base Repair Workshop of concerned CAPFs will be the acceptance criteria.</p> <p>Battery usage to be checked physically by BOO by keeping the equipment switched 'ON' for 12 hrs continuously and checking detection of any metallic object for minimum 5 mins duration every hour.</p>

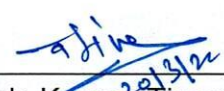



### RECOMMENDATION OF BOARD OF OFFICERS


It is recommended that the QRs & TDs of parameter '**Power Source**' in Ser No 3 of existing MHA approved Technical Specification/QRs dated 21 Aug 2012 and TDs dated 12 Feb 2013 of Hand Held Metal Detector (HHMD) should be amended and corrigendum against the said parameter may be issued to all concerned as under after approval of competent authority: -

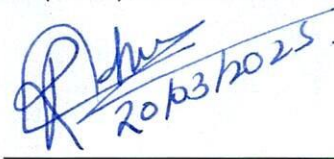
<u>Srl No of QRs/ TDs</u>	<u>Existing QRs</u>	<u>Existing Trial Directives</u>	<u>Revised QR</u>	<u>Revised Trial Directives</u>
3	Power Source: Alkaline battery 3 volt (1.5 x 2), volt should run minimum 550 hrs on 10% detection rate.	Certificate from a national / international accredited lab will be the acceptance criteria.	<b>Power Source:</b> (a) <b>Primary Battery.</b> Any primary battery like Alkaline/ Lithium/ Silver Oxide/ Zinc-Carbon etc 3 volt (1.5 x 2). Battery should run minimum 550hrs on 10% detection rate. <b>OR</b> (b) <b>Secondary Battery.</b> Any commercially available rechargeable battery having endurance of minimum 12 hours on single charge & lifespan of minimum two years.	Certificate from a national / international accredited lab/ Special Instrument Workshop of BSF/ Base Repair Workshop of concerned CAPFs will be the acceptance criteria.  Battery usage to be checked physically by BOO by keeping the equipment switched 'ON' for 12 hrs continuously and checking detection of any metallic object for minimum 5 mins duration every hour.


  
(Princee Rani), IPS  
IG (Prov), HQ NSG


  
Akhilesh Kumar Tiwari,  
GC (Proc), HQ NSG


  
Maj Sagar Singh, TC  
BD Unit, NSG


  
Lt Col Sumit Kumar,  
WE Br, HQ NSG

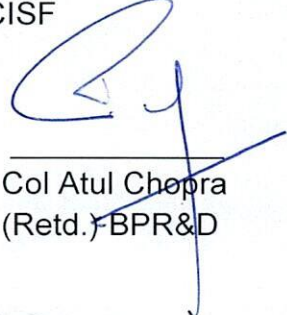
  
Rahul Khalsa, DC (ATO)  
SSB

  
Nemi Chand, DC  
ITBP

  
Nitish Tomar, Dy Comdt  
CISF

  
Swapan Chakraborty,  
Insp SIW, BSF

  
Sub Jagdish Prasad Gaur,  
Assam Rifles

  
Col Atul Chopra  
(Retd.) BPR&D

15/11/13

18

16 (H-1)

No.IV.17018/03/2007-Prov-I  
Bharat Sarkar/Government of India  
Griha Mantralaya/Ministry of Home Affairs  
PM Division/Prov. I Desk  
\*\*\*\*\*

26, Man Singh Road, Jaisalmer House  
New Delhi, Dated : 12. February'2013

To,

DsG : AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

Subject : Trial Directives for Hand Held Metal Detector (HHMD)

The Trial Directives in respect of Hand Held Metal Detector (HHMD) as per the Annexure have been accepted by the Competent Authority in MHA.

2. Henceforth, all the CAPFs should trial evaluate the above items strictly as per the laid down Trial Directive.

स. ग. नि. (स. ग. नि.) DIO (Prov.)	15/11/13
16 (H-1)	18

Yours faithfully,

(Smt. S. B. Nanda)

Under Secretary to the Govt. of India

Tel : 23381278

Copy forwarded for necessary action to :-

- (i) Director, NIC, MHA : It is requested to host the Trial Directives (soft copy attached) on the MHA website (under the page of Organisational Set up-Police Modernisation Division under equipments head - Qualitative Requirements).

Copy to : Director (Procurement), MHA.  
Copy for information to : PS to JS (PM)

(R K. Soni)  
Section Officer (Prov-I)

NO. DV. No. 16/11/13



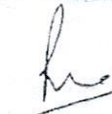

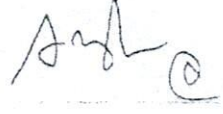




286

(5)


TRIAL DIRECTIVE : HAND HELD METAL DETECTOR


Ser No	QRs	Remarks
1	<u>Dimensions</u> (a) Length -Maximum 500 mm (b) Probe width - Maximum 120 mm (c) Body width - Maximum 65 mm	<i>Trial Directives</i> To be physically checked by the BOO.
2	<u>Weight</u> - Maximum 500 gms	To be physically checked by the BOO.
3	<u>Power Source</u> Alkaline battery 3 volt (1.5x2), volt should run minimum 550 hrs on 10% detection rate.	Certificate from a national/internationally accredited lab will be the acceptance criteria.
4	<u>Battery protection</u> . To be provided against damage due to reverse polarity	1. OEM/Firm to provide certificate. 2. To be physically checked by the BOO.
5.	<u>Indication</u> (a) Single LED based audio and visual multiple indication for :- (i) Switch on (ii) Metal Detection (iii) Low Battery Indication	To be physically checked by the BOO.
6	<u>Operation</u> . Single push button operation.	To be physically checked by the BOO.
7.	<u>Construction</u> . Should be rugged and impact resistant ABS moulded casing.	To be physically checked by the BOO.
8.	<u>Scan rate</u> . Minimum 3" to 24"/sec.	To be physically checked by the BOO.
9.	<u>Detection</u> Should be able to detect ferrous and Non Ferrous metals. (a) Pistol .22 at min 6" (b) Cartridge .22 at min 2" (c) Razor Blade at min 1"	To be physically checked by the BOO
10.	<u>Tuning</u> . Automatic to ensure equal results on wide range of metals and alloys.	To be physically checked by the BOO.




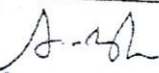
11.	<p><b>Miscellaneous.</b> The firm should be able to provide the following, as applicable, along with the equipment :-</p> <p>(a) Cleaning Kit.</p> <p>(b) Technical Manual giving full description of the item.</p> <p>(c) User's Hand Book.</p>	<p>(a) For technical literature undertaking by the OEM/firm, to provide the technical literature along with the delivery of the equipment, will be obtained.</p> <p>(b) Remaining items, to be physically checked by the BOO.</p>
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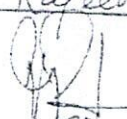
  
S/T MANISH RAJ, BSF


  
A.K. Shukla AC, CUP

  
Rajeev Kano, AC, SSB


  
Shiv Prasad Sati AC  
ITBP

  
LT COL A. BALAKRISHNA  
OC 20 UNIT

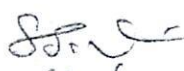
  
LT COL VIRENDRA PRASAD  
210 (WE) HQ ISS

  
G. (Am)

  
D. (Am) NSS

  
MAJ ARVIND KUMAR  
SI SAG

Approved/Not approved

  
9/11/16  
(Subhash Joshi)  
Director General, NSG

13 SEP 2012

F. no. IV-17018/3/2007-Prov. I / 1089  
Bharat Sarkar/Government of India  
Griha Mantralaya/Ministry of Home Affairs  
PM Division/Prov. I Desk

26, Man Singh Road, Jaisalmer House  
New Delhi, Dated: August, 2012

To, DsG : AR (through LOAR), BSG, CISF, CRPF, ITBP, NSG, SSB & BPR&D  
Subject : Technical Specifications/QRs for HHMD.

The Technical Specifications/QRs for Hand Held Metal Detector (HHMD) as per Annexure has been accepted by the Competent Authority in MHA.

2. Henceforth, all the CAPFs should procure the above items required by them strictly as per the laid down Technical Specifications/QRs.
3. The trial directive for Hand Held Metal Detector (HHMD) will be circulated later after these are prepared by NSG and approved by the competent authority in MHA.

उ. म. नि. (लिबरेशन) DIG (Prov.)	
गुप्त सेवा (लिबरेशन) G.C. (Prov.)	
सहायक अधीक्षक	(004)
मुख्य अधिकारी प्रभार में	
Head Clerk	
18.	
Head Clerk	

(S. B. Nanda)  
Under Secretary to the Govt. of India  
Tel : 23381278

~~Copy forwarded for necessary action :-~~

- (i) NSG is requested to formulate the trial directives for Hand Held Metal Detector (HHMD) keeping in view the instructions issued by MHA on 13.06.2012 and forward the same to the Ministry for approval at the earliest.
- (ii) Director, NIC, MHA with the request to host the revised QRs (soft copy attached) of Hand Held Metal Detector (HHMD) on the MHA website (under the page of Organisational Set up-Police Modernisation Division- Qualitative Requirements) by replacing the existing QRs.

(Ritesh Kumar)  
Section Officer (Prov.II)

Copy to : Director (Procurement), MHA.  
Copy for information to : PS to JS (PM)

NGO Dy No.-VI/ 32/2

DATE. 12/09/12

P. E. to I.G. (HQ)  
By No. 2925



# QRs FOR HAND HELD METAL DETECTOR

212 129

1.	<u>Dimensions</u>	
	Length	Maximum 500 mm
	Probe width	Maximum 120 mm
	Body width	Maximum 65 mm
2.	Weight	Maximum 500 gms
3.	Power Source	Alkaline battery 3 volt (1.5x2), volt should run minimum 550 hrs on 10% detection rate.
4.	Battery Protection	To be provided against damage due to reverse polarity.
5.	Indication	(a) Single LED based audio and visual multiple indication for :- (i) SWITCH ON (ii) METAL DETECTION (iii) LOW BATTERY INDICATION
6.	Operation	Single push button operation
7.	Construction	Should be rugged and impact resistant ABS moulded casing.
8.	Scan rate	Minimum 3" to 24"/sec.
9.	Detection	Should be able to detect Ferrous and Non-Ferrous metals. - Pistol .22 at min 6" - Cartridge .22 at min 2" - Razor Blade at min 1"
10.	Tuning	Automatic to ensure equal results on wide range of metals and alloys.
11.	<u>Miscellaneous</u>	The firm should be able to provide the following, as applicable, along with the equipment :- (a) Cleaning kit. (b) Technical Manual giving full description of the item. (c) User's Hand Book.

[Signatures and stamps]

Approved - (RK Medhekar) Director General, NSG

Approved/Not approved

[Additional signatures and stamps]