

F. No. P-63013/13/2012-Ord/BSF/MHA-Prov.I  
Bharat Sarkar/Government of India  
Griha Mantralaya/Ministry of Home Affairs  
PM Division/Prov. I Desk

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26, Man Singh Road, Jaisalmer House  
New Delhi, Dated 17<sup>th</sup> January, 2013

To,

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

**Subject : QRs and Trial Directives for Dry Zeroing Device.**

The QRs and Trial Directives in respect of Dry Zeroing Device as per Annexure have 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.

Encl: As above

Yours faithfully,



(Smt. S. B. Nanda)

Under Secretary to the Govt. of India

Tel : 23381278

Copy forwarded for necessary action to :-

- (i) SO (IT), MHA : It is requested to host the QRs and Trial Directives (soft copy attached) on the MHA website (under the page of Organisational Set up-Police Modernisation Division- Qualitative Requirements)



(R.K. Soni)

Section Officer (Prov.I)

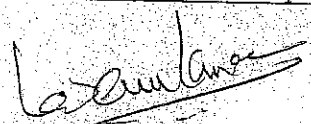
Copy to : Director (Procurement), MHA.  
Copy for information to : PS to JS (PM)

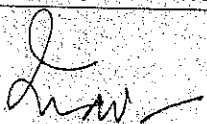
Director General Border Security Force  
(Provisioning Directorate)


The Sub-group of Technical Experts on Surveillance Equipment constituted by MHA vide their letter No. IV-17017/18/2011-Prov-I dated 05 Jul 2002 held its meeting at BSF headquarters on 19 Oct 2012 and 9<sup>th</sup> Nov 2012 to review the QRs of 'Dry Zeroing Device'.


After detailed deliberations the referred Sub-group has finalized the QRs of 'Dry Zeroing Device' as under:-


S No.	Specifications
1.	Dry Zeroing is required to bore sight and zero weapon sights without firing. It should be capable of being fitted with a wide range of weapon (Pistols, Assault Rifles, SMGs, LMG, Sniper and AMR) with different bore calibre up to 20 mm (as per user requirement)
2.	Must be able to Zero following weapon sight combinations:- a) LASER aiming Device. b) Iron Sights of the weapon. c) Optical Day & Night Sights. d) Holographic / Reflex Sight.
3.	Reticule illumination - There should be inbuilt mechanism to illuminate the reticule.
4.	Accuracy 0.5 mrad.
5.	Weight with battery less than 500 Gms.
6.	Power source - Dry fit maintenance free battery with minimum 1 hour continuous operation.
7.	Must be simple to operate and maintain.
8.	Must be rugged and robust in construction.
9.	Operating temperature -20 degree C to +55 degree C.
10.	Minimum one dry zeroing complete with attachments, adjusting tools, user handbook and operating instructions will be required for user trials.


  
(Venu Kumar K.M)  
Joint Director, DCPW

  
(R S Chandel)  
2IC/Sqn Cdr, NSG

  
(Sujeet Kumar)  
2IC (Wksp), SIW, BSF

  
(Maj George (Rtd))  
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(Ajeet Pratap)  
Asstt Comdt, ITBP

  
(Pradeep Sharma)  
SI(Tech), SIW, BSF

## TRIAL DIRECTIVE OF DRY ZEROING DEVICE

13

S No.	SPECIFICATIONS	Procedure suggested for trial	Result expected / desired	Compl / not compli
1.	Dry Zeroing is required to bore sight and zero weapon sights without firing. It should be capable of being fitted with a wide range of weapon (Pistols, Assault Rifles, SMGs, LMG, Sniper and AMR) with different bore calibre up to 20 mm (as per user requirement)	Check the fitment of Dry Zeroing Device with the weapon / weapons specified by the indenter in TE. Bore sight or zero the weapon sights with the help of Dry Zeroing Device without firing and observe it.	Dry Zeroing Device must be compatible with the weapon specified by the indenter in TE.  It must be capable to bore sight or zero the weapon sights without firing.	
2.	Must be able to Zero following weapon sight combinations:- a) LASER aiming Device. b) Iron Sights of the weapon. a) Optical Day & Night Sights. c) Holographic / Reflex Sight.	Check the device by zeroing the following weapon sight combinations as mentioned in QRS Para 2 (a) to 2 (d).	Dry Zeroing Device must be able to zero the weapon sights combination as mentioned in QRS Para 2(a) to 2(d)	
3.	Reticule illumination - There should be inbuilt mechanism to illuminate the reticule (No Radioactive isotope to be used for illumination).	Physically check the Reticule illumination. OEM to provide a certificate taken from a national / international accredited Lab in respect of Radioactive isotopes.	There should be inbuilt mechanism to illuminate the Reticule. In case of any doubt in the test report, the veracity of the same may be checked from the concerned lab.	

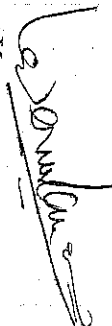








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4.	Accuracy 0.5 mrad.	Board will get the accuracy checked from any authorised laboratory in India.	Accuracy must be 0.5 mrad.
5.	Weight with battery less than 450 Gms.	Measure the weight with battery.	The weight with battery must be less than 450 gms.
6.	Power source – Dry fit maintenance free battery with minimum 1hour continuous operation.	Check the battery for its type and operate the device continuously for 1 hour at the end of the evaluation.	The battery fitted must be dry & maintenance free and must run the device continuously for minimum 1 hour.
7.	Must be simple to operate and maintain.	Check the device for its operation and maintenance.	It must be simple to operate and maintain.
8.	Must be rugged and robust in construction.	The firm has to submit national /international accredited lab certificate /report in respect of the same.	The certification / report contents must confirm the ruggedness and robust construction. In case of any doubt in the test report, the veracity of the same may be checked from the concerned lab.
9.	Operating temperature -20 degree C to +55 degree C.	The firm has to submit national /international accredited lab certificate /report in r/o the same.	The certification / report contents must confirm the operating temperature -20 degree C to +55 degree C. In case of any doubt in the test report, the veracity of the same may be checked from the concerned lab.





10. Minimum one dry zeroing complete with attachments, adjusting tools, user handbook and operating instructions will be required for user trials.	Check the dry zeroing device physically for complete unit and its accessories including user handbook and operating instructions.	Complete Dry Zeroing Device must have minimum one Dry Zeroing Device, attachments, adjusting tools, user handbook and operating instructions.
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