

No. IV-21011/10-2012-Prov.I 88 13

भारत सरकार/Government of India

गृह मंत्रालय/Ministry of Home Affairs

पुलिस आधुनिकीकरण विभाग Police Modernization Division

संभरण-I डेस्क/Prov.I Desk

26. Mansingh Road,
Jaisalmer House, New Delhi.

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

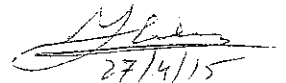
Subject : Revised QRs and Trial Directives of Contactless Stethoscope.

in (s)

The Qualitative Requirements (QRs) and Trial Directives (TDs) of Contactless Stethoscope earlier approved vide this Ministry's letter of even number dated 7-1-2013 have been revised and accepted by the Competent Authority in MHA, as per Annexure.

2. The CAPFs concerned will be accountable for correctness of the QRs/TDs.
3. Henceforth, all the CAPFs should procure the above items, required by them strictly as per the laid down Technical Specifications/QRs.

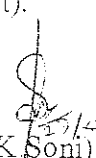
Yours faithfully.


27/4/15
(M K Chahar)

Under Secretary to the Govt. of India

Encl : As above.

Copy forwarded to Section Officer(IT), MHA with the request to host the approved QRs/TDs on the official website of MHA (Under the page of Organizational set up - Police Modernization Division - Qualitative Requirement under BDDS Equipment).


(R K Soni)

Section Officer (Prov-I)

Copy to DDG(Proc.), MHA

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REVISED QRS OF CONTACTLESS STETHOSCOPE

1. The weight of the equipment and accessories should be less than 10 Kgs
2. Should detect sounds through solid materials like bricks, walls, glass, wood packing materials etc.
3. The amplification of sound be of order of minimum 7×10^5 at a minimum distance of 15 cms.
4. Search head should not be affected by loud noise in the surroundings
5. Power supply should have options of rechargeable batteries at 230 V AC.
6. The sensitivity should be very high with options to optimize it by adjustment for gain and frequency control
7. The system should have both contact and non contact sensors
8. Operating time should be of the order of -
 - (a) Contact Sensor - 15 hrs (minimum)
 - (b) Non contact sensor - 15 hrs (minimum)
9. The system should be able to cover frequency band from 500 Hz (or lower) to 5.5 KHz (Firms to furnish certificate from international accredited lab/govt agency)
10. Operating temperature should be from $-15^{\circ}C$ to $+55^{\circ}C$ (Firms to furnish certificate from international reputed lab)
11. The kit should be shock proof, splash resistant and packed in a robust carrying case with spare battery pack, battery charger and connecting cable.
12. Mechanical and electronic timers/quartz digital movement of second/minute hand) to be detected.

 Ashwini B. B. D. B. B. D.	 M. S. S. M. S. S.	 M. S. S. M. S. S.	 M. S. S. M. S. S.
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REVISED TRIAL DIRECTIVES OF CONTACTLESS STETHOSCOPE

Ser No	QR of Contactless Stethoscope	Trial Directives	Remarks
	The weight of the equipment should not be more than 3kgs and including accessories should be less than 10 Kgs.	To be physically checked during trials by the BOO.	
2	Should detect sounds through solid materials like bricks, walls, glass, wood packing materials etc.	To be physically checked during trials by the BOO.	Brick walls of thickness 4" - 9" Wood packing material of thickness 1/4" - 1"
3	The amplification of sound be of order of minimum 7×10^5 at a minimum distance of 15 cms (Firms to furnish certificate from international accredited lab).	Distance to be physically checked during trials by the BOO. Firm to provide certificate from National International accredited lab govt agency.	
4	Search head should not be affected by loud noise in the surroundings.	To be physically checked during trials by BOO.	
5	Power supply should have options of rechargeable batteries at 230 V AC.	The equipment should be operated by commercially available rechargeable batteries	
6	The sensitivity should be very high with options to optimize it by adjustment for gain and frequency control.	To be physically checked during trial by BOO	
7	The system should have both contact and non contact sensors.	To be physically checked during trial by BOO.	
8	Operating time should be of the order of :- (a) Contact Sensor -15 hrs (minimum) (b) Non contact sensor -05 hrs (minimum)	To be physically operated for the given time.	
9	The system should be able to cover frequency band from 500 Hz (or lower) to 5.5 KHz (Firms to furnish certificate from international accredited lab/govt agency).	Firm to provide certificate from national/international accredited lab/govt agency.	

Ser No	QR of Contactless Stethoscope	Trial Directives	Remarks
10	Operating temperature should be from - 15° C to + 55° C (Firms to furnish certificate from international accredited lab).	Firm to provide certificate form National/international accredited lab.	
11	The kit should be shock proof, splash resistant and packed in a robust carrying case with spare battery pack, battery charger and connecting cable.	To be physically checked during trials by the BOO.	
12	Mechanical and electronic timers (quartz, digital movement of second/minute hand) to be detected.	To be physically checked during trial by BOO	

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