

No. IV-21011/10/2012-Prov.I
Government of India/भारत सरकार

Ministry of Home Affairs/गृह मंत्रालय
Police Modernization Division/पुलिस आधुनिकीकरण प्रभाग
Prov.I Desk/संभरण-I डेस्क

26th Man Singh Road, Jaisalmer House
New Delhi, the 7th January, 2013

To,

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

Subject : QRs/Trial Directive of Contactless Stethoscope

The QRs/Trial Directive of Contactless Stethoscope 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 QRs.

Yours faithfully,



(Smt. S B Nanda)
Under Secretary (Prov.I)
Tel : 23381278

Encl: As above

Copy forwarded for necessary action :-


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


Copy to :

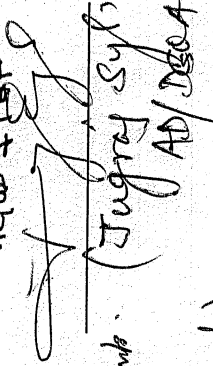
1. Director (Procurement), MHA.
2. PS to JS (PM) – for information.

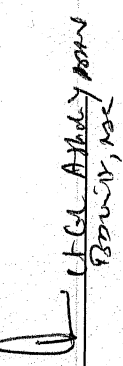
TRIAL DIRECTIVES OF CONTACTLESS STETHOSCOPE

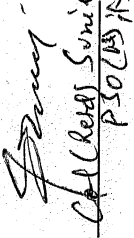
Ser No	QR of Contactless Stethoscope	Trial Directives	Remarks
1	Should be light weight and portable.	To be physically checked during trials by the BOO.	
2	Should detect sounds through solid materials like bricks, walls, glass, wood packing materials etc.	To be physically checked during trials by the BOO.	Brick walls of thickness 4" - 9". Wood packing material of thickness 1/4" - 1". Glass of thickness minimum 8 mm.
3	The amplification of sound be of order of minimum 5 x 10 to the power of 5 at a minimum distance of 15 cms (Firms to furnish certificate from international reputed lab).	Distance to be physically checked during trials by the BOO. Firm to provide certificate from International reputed / accredited lab.	
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.	


 Mij S Kohli
IPL GP

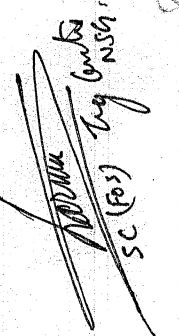
 Rajesh Jha
AC/UP IEP

 Jugraj Syal
AD/DECA

 Lt Col Atul Kumar
Bawar, NCC

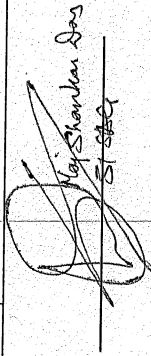
 Lt Col Sunil Kumar
P30 (B) NCC, BPR&D

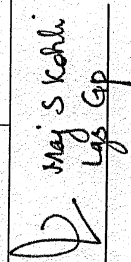
 Manish Kumar
Asstcomd HTRP

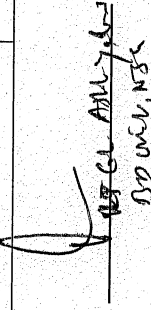
 SC (Pos) by NISH

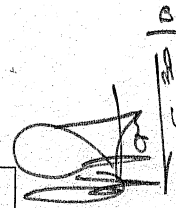
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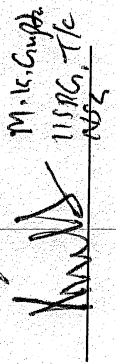
Ser No	QR of Contactless Stethoscope	Trial Directives	Remarks
8	Operating time should be of the order of :- (a) Contact Sensor - 15 hrs (minimum) (b) Non contact sensor - 05 hrs (minimum)	To be physically operated for the given time.	
9	The system should be able to cover frequency band from 300 Hz to 5.5 KHz (Firms to furnish certificate from international reputed lab/govt agency).	Firm to provide certificate from international reputed/ accredited lab/govt agency.	
10	Operating temperature should be from - 15° C to + 55° C (Firms to furnish certificate from international reputed lab).	Firm to provide certificate from International reputed/ 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.	

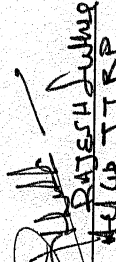

Major Shankar Das
Sgt

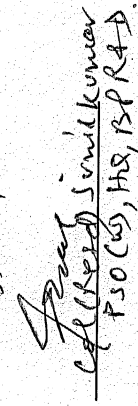

Major S Kohli
Lgts Gp

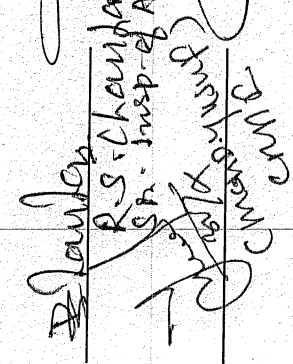

Major General Anil Kumar
S.D. Officer, NSG

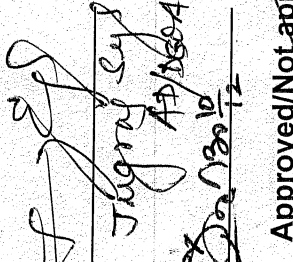

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S.D. Officer, NSG

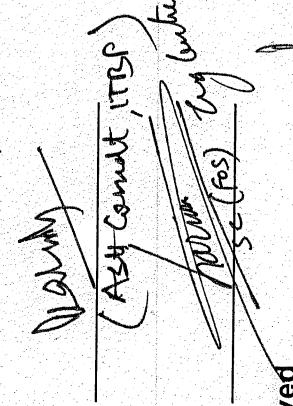

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Approved/Not approved



(Subhash Joshi)
Director General, NSG


Major General Anil Kumar
S.D. Officer, NSG