

मुख्यालय राष्ट्रीय सुरक्षा गारद
गृह मंत्रालय (भारत सरकार)
सम्भरण शाखा (आयुद्ध अनुभाग)
मेहरम नगर, पालम, नई दिल्ली-37

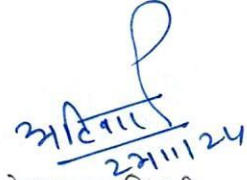
संख्या-पी संख्या: पी/604/24/389/CS/E-135090/संभरण (ऑर्डनेंस)/ एनएसजी/ 5506

दिनांक: 27 नवम्बर 2024

विषय: कॉन्टैक्टलेस स्टेथोस्कोप (CONTACTLESS STETHOSCOPE) के परिशोधित गुणात्मक आवश्यकता (क्यू.आर.) और परीक्षण निर्देशों (टी.डी.) का प्रेषण

तकनीकी विशेषज्ञों के उप समूह द्वारा किए गये सूत्रीकरण एबम महनिदेशक, राष्ट्रीय सुरक्षा गारद द्वारा अनुमोदित कॉन्टैक्टलेस स्टेथोस्कोप (CONTACTLESS STETHOSCOPE) के परिशोधित गुणात्मक आवश्यकता (क्यू.आर.) और परीक्षण निर्देशों (टी.डी.) को अग्रिम कार्यवाही हेतु प्रेषित किया जाता है ।

संलग्न- उपरोक्तानुसार



(अखिलेश कुमार तिवारी)

ग्रुप कमांडर (क्रय)

फोन- 011-25663100

ईमेल- gcproc@nsg.gov.in

वितरण :

1.	JS (PM), MHA, Jaisalmer House, New Delhi	For information please.
2.	Senior Technical Director, NIC, MHA, North Block, New Delhi Email : soit@nic.in mpsugandhi@nic.in	You are requested to upload on MHA website PM Division- QRs under BDDs Equipment Category and delete the old QR/ TDs shown at SI No. 30 of BDDs Equipment category please.
3.	IG/Director (R&D), BPR&D, Mahipalpur, New Delhi Email : igmod@bprd.nic.in/dd-mod@bprd.nic.in	
4.	ADG, PP & T, Room No 37, H Block, DGQA, Govt of India, Min of Defence, Department Defence Production, Directorate of Quality Assurance, New Delhi-110011, Email : saarmt-dgqa@gov.in	
5.	DIG (Prov), CRPF, CGO Complex, New Delhi Email : digprov@crpf.gov.in/ dcord@crpf.gov.in	
6.	DIG (Prov), BSF, CGO Complex New Delhi. Email : digprovfhq@bsf.gov.in / comdtord@bsf.nic.in	
7.	DIG (Prov), CISF, CGO Complex New Delhi. Email : digprov@cisf.gov.in, aigtech@cisf.gov.in	
8.	DIG (Prov), ITBP, CGO Complex, New Delhi, Email : digprov@itbp.gov.in	
9.	DIG (Prov), SSB, R K Puram, New Delhi, Email : digprov@ssbdel.in/cr.ssbdel@nic.in	
10.	DIG (Prov), Assam Rifle (Through LOAR), Email : loar-mha@nic.in	
11.	GC, Ops (WE), HQ NSG - For info and necessary action	
12.	HQ CTF and BD UNIT, NSG- For info please	
13.	SC (Prov), GeM: - For info and necessary please	

REVISED QRs & TDs OF CONTACTLESS STETHOSCOPE

Ser No	QRs / Specification	Trial Directives
1.	Should be light weight and portable (The operational weight of the equipment with each sensor separately should not be more than 1.5 kg. The overall weight including all the accessories and carrying case should not more than 5 Kgs)	To be physically checked during trials by the BOO.
2.	Should detect sounds through solid materials like brick walls, glass, metal containers, wooden packing materials etc.	To be physically checked during trials by the BOO The equipment should detect sounds of mechanical timers, digital timers/ electronic timers and sense electronic fuzes, electronic circuit and cellphone timer mechanisms. Brick wall of thickness 4" - 9" Wooden packing materials of thickness ¼" - 1" Glass of thickness minimum 8mm. Metal containers of thickness minimum 8mm.
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 National/international accredited lab).	Distance to be physically checked during trials by the BOO. Firm to provide certificate from national/international accredited lab.
4.	Search head should not be affected by loud noise in the surroundings.	To be physically checked during trials by the BOO and Firms to furnish certificate from National/international accredited lab.
5.	Power supply should have options of rechargeable batteries at 230V AC/DC.	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 (min). (b) Non Contact Sensor - 05 hrs (min).	To be physically operated for the given time.

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9.	The system should be able to cover frequency band from 300 Hz to 5.5 KHz (Firms to furnish certificate from national/international accredited lab).	Firm to provide certificate from national/international accredited lab.
10.	Operating temperature should be from -15°C to +55°C (Firms to furnish certificate from national/international accredited lab).	Firms to provide certificate from national/international accredited lab.
11.	The equipment (JS 55555/810G compliant) should be shock proof, splash resistant and packed in a robust carrying case(IP 65 compliant) with spare battery pack, battery charger and connecting cable.	Firms to furnish certificate from National/international accredited lab. To be physically checked during trial by BOO.
12.	Mechanical and electronic timer (quartz, digital movement of second/ minute hand) to be detected.	To be physically checked during trial by BOO.
13.	The equipment should have Audio, digital display as well as vibration indication.	To be physically checked during trial by BOO.
14.	Sensitivity should be adjustable.	To be physically checked during trial by BOO.
15.	Should have headphone connectivity easier to use with Bomb Suit helmet and visor assembly.	To be physically checked during trial by BOO.

Ranshu
04/11/24
Dr Ranshu Rans
DCSMO BSF

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NarenDer Singh, AC
36 BN BSF

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25/11/24
I.T.B.P.

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AC, 5BwCRPR

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R.D. Joshi

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Maj MS Pachar
BD Unit NSG

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Maj TH Harshini
WE BR, HP NSG.

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Col A J Chavre
(Retd)
BP R+D.

Approved/ Not Approved

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B Srinivasah, IPS
Director General, NSG