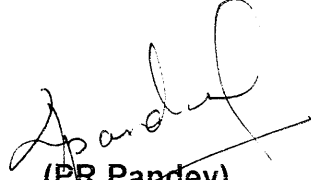


HQ NATIONAL SECURITY GUARD
(Provisioning Branch : Ord Section)

**PLACING OF DRAFT QRs AND TRIAL DIRECTIVES OF
LIQUID EXPLOSIVE DETECTOR ON MHA WEBSITE**

1. Please refer PM Division, MHA letter No. IV-24011/14/2016-Prov.I-2405 dated 05 Oct 2017, letter No. IV-24011/12/2011-Prov.I dated 13 Jun 2012 and letter No 11012/02/2009- Fin-I/Prov-I-17 dated 02 Jan 2018.
2. Meeting of sub group of technical experts was held on **13 Dec 2018 at 1030 in the conference Hall, HQ NSG** for revised the **QRs and Trial Directives of Liquid Explosive Detector**.
3. The sub group during the meeting opined that the QRs and Trial Directives of Liquid Explosive Detector be placed on MHA as well as NSG website for 15 days to invite vendor comments/ suggestions.
4. As per PM Division, letter under reference, the draft QRs and Trial Directives of Liquid Explosive Detector as per Appx 'A' & 'B' are forwarded herewith in hard and soft copy for hosting on the MHA website.


(PR Pandey)
Maj
SC (Ord)
For GC (Prov)

Encls :- As above.

Mrs. Sugandhi, Technical Director, NIC, North Block, New Delhi

No. P/604/18(389)/ROV/Prov (Ord)/NSG

Dated, the 26 Dec 2018

DRAFT QRs OF LIQUID EXPLOSIVE DETECTOR

Ser No	Specification	Response from the firm	
		Compliant (Mention Yes or No)	Comments/ suggestion (in case non compliant)
1.	The Liquid Explosive Detector should detect the presence of hazardous liquids or gels and distinguish them from being liquids.		
2.	Shall detect the following threats:- (a) Diesel. (b) Acetone. (c) Petrol. (d) Isopropyl alcohol (IPA). (e) H ₂ O ₂ (Hydrogen peroxide). (f) Methyl Ethyl Ketone Peroxide (MEKP*). (g) Nitrobenzene. (h) Methanol. (j) Ethanol. (k) Jet Propellant 8 (JP8*). (l) Methyl Ethyl Ketone (MEK). (m) Nitric Acid*. (n) Sulphuric Acid (H ₂ SO ₄ *). (o) Hydrazine*. (p) Trichloroethylene. (q) Other similar chemicals can be added.		
3.	Should detect the presence of hazardous liquids or gels regardless of container shape & size.		
4.	Should detect without the need to open the bottle or liquid container, also without the need to remove the label (if any) on the container.		
5.	Should be able to detect explosive in the container of thickness ≤7mm and are made up of:- (a) Clear (Transparent) glass or plastic. (b) Colored glass or plastic. (c) Translucent glass or plastic. (d) PET bottle. (e) Patterned or embossed glass or plastic.		
6.	Should operate in conditions between -20°C to +55°C or better.		
7.	Should be able to perform an analysis on containers with minimum liquid of 10 ml.		
8.	Detection Time - Detection time should be ≤ 01 Minute.		
9.	(a) The result of analysis to be displayed on a screen and should be simple and easy to understand and should display name of the chemical/ liquid on the screen after the detection. (b) Should have visual display of min 3.5" high resolution screen (touch/ buttons control panel) for all light conditions.		
10.	Should have a false alarm rate of less than 5% under all operating conditions.		
11.	Should have proximity sensor.		

AUDIT MEMO NO. AMG-III/DG-NSG/2017-18/AM.53 DATED 23 OCT 2018

PROCUREMENT OF ARMS AND AMMUNITION

TABLE A

SI No.	Particular of item	Authorization in Mod I		Details of procurement		Source (Single Tender / Open Tender / PAC)	Date of procurement	Name of the firm / vendor	Whether vendor was Indian / Foreigner
		Quantity	Amount	Quantity	Amount				
1.	Pistol Glock	1276	258.76 lakh	1276	Procured through MHA's A/T	PAC	Procured through MHA's A/T	M/s Glock, Hong Kong	Foreign
2.	SMG MP5	1792	1628.52 lakh	1792	Euro 31,00,966.80	PAC	Procured through MHA's A/T	M/s Heckler & Koch, Germany	Foreign
3.	SIG-551 SWAT	527	5430.96 lakh	399	Swiss Franc 23,20,988.63	PAC	01 Oct 2010	M/s SAN Swiss, Switzerland	Foreign
4.	Long Range Sniper Rifle	06	18 lakh	06	USD 2,74,253.02	PAC	23 Dec 2013	M/s Beretta Firearms, USA	Foreign

DRAFT QRs OF LIQUID EXPLOSIVE DETECTOR (Contd...)

Ser No	Specification	Response from the firm	
		Compliant (Mention Yes or No)	Comments/ suggestion (in case non compliant)
12.	Should have no radioactive material used inside the detector.		
13.	The tech being employed by the equipment should not ignite the liquid explosive, gun powder, detonating cord and similar kind of other explosives.		
14.	Equipment should not require any calibration or sample preparation.		
15.	Should not use any consumable items.		
16.	Should be one-piece hand held design & one-man portable which can be carried on body through holster/ body worn strap for long operations.		
17.	Should not weigh more than 2 Kg with batteries when operationally ready (without holster/ body worn strap).		
18.	The detector should have rugged carrying case with min IP 67 rating or better with its all set & accessories inside and hand carried by one person.		
19.	Should have battery charger of CE standard 2015 or better.		
20.	The detector should have min IP 65 rating.		
21.	Should have min 5 hrs of operation time with one set of rechargeable batteries. The rechargeable set of batteries used should be commercial available. OEM to provide one spare set of rechargeable batteries.		
22.	The system should be operationally ready in less than 90 seconds after pressing the start button.		
23.	There should be no warm up time and calibration required between two consecutive test/detection.		
24.	The system should save the detection information on the device log event, which can be downloaded & transferred to a laptop.		
25.	The user should have an option to upgrade the database.		
26.	System should come with a user manual & quick reference document specifying the shelf life and operational life of the equipment.		

TABLE C

Sl No.	Particular of item	Authorization in Mod I		Authorization in Mod II		Reason for non procurement of items
		Quantity	Amount	Quantity	Amount	
1.	Rifle 5.56mm INSAS	579	150 lakh	-	-	
2.	AWS Sniper Rifle	119	170 lakh	-	-	
3.	UZI (Micro with Silencer)	60	60 lakh	-	-	
4.	UZI (Pistol with Silencer)	60	25 lakh	-	-	
5.	7.62mm GPMG	146	216 lakh	-	-	
6.	51mm Mortar	04	03.88 lakh	-	-	
7.	Disposable RM & Trainer	16	14 lakh	-	-	
8.	Light Support Weapon	146	216 lakh	-	-	
9.	Flame Thrower	03	4.72 lakh	-	-	
10.	Anti Material rifle	03	21.25 lakh	-	-	
11.	Multi Grenade launcher	03	21.25 lakh	-	-	
12.	Advance Taser Gun	100	57.5 lakh	-	-	
13.	Simunition System (for Glock & MP5)	125	175.82 lakh	-	-	
14.	Long Range Sniper Rifle	06	18 lakh	-	-	
15.	Corner Shot	01	0.65 lakh	-	-	
16.	Pistol with Optical Laser Sight	-	-	2587	1034 lakh	
17.	Close quarter battle weapon with holographic / reflex sight	-	-	2535	5070 lakh	
18.	Rifle 7.62mm Sniper with Telescopic and Night Sight	-	-	197	147.75 lakh	
19.	Shot Gun	-	-	108	32.40 lakh	
20.	Non lethal weapon	-	-	1854	1112.40 lakh	
21.	Light Support weapon	-	-	186	558 lakh	
22.	Assault Rifle	-	-	750	2250 lakh	
23.	Specialized ammunition for Sky Marshal and Counter Hijack operations	-	-	41000	15 lakh	

DRAFT TRIAL DIRECTIVES FOR LIQUID EXPLOSIVE DETECTOR

Ser No	Specification	Trial Directives	Response from the firm	
			Compliant (Mention Yes or No)	Comments/ suggestion (in case non compliant)
1.	The Liquid Explosive Detector should detect the presence of hazardous liquids or gels and distinguish them from being liquids.	<p>A series of benign liquids in transparent and translucent glass or plastic container are tested to ensure that the system does not give a false alarm on a benign item & to demonstrate system capability with different container materials.</p> <p>To be physically checked by the BOO.</p>		
2.	<p>Shall detect the following threats:-</p> <p>(a) Diesel.</p> <p>(b) Acetone.</p> <p>(c) Petrol.</p> <p>(d) Isopropyl alcohol (IPA).</p> <p>(e) H₂O₂ (Hydrogen peroxide).</p> <p>(f) Methyl Ethyl Ketone Peroxide (MEKP*).</p> <p>(g) Nitrobenzene.</p> <p>(h) Methanol.</p> <p>(j) Ethanol.</p> <p>(k) Jet Propellant 8 (JP8*).</p> <p>(l) Methyl Ethyl Ketone (MEK).</p> <p>(m) Nitric Acid*.</p> <p>(n) Sulphuric Acid (H₂SO₄*).</p> <p>(o) Hydrazine*.</p> <p>(p) Trichloroethylene.</p> <p>(q) Other similar chemicals can be added.</p>	<p>(a) For any of the THREAT samples, the system must return a positive result. When the threats are substituted into benign item containers, the containers shall have been cleaned thoroughly with a mild detergent and dried to ensure no moisture, detergent & other contaminants remain within the bottle.</p> <p>(b) *MEKP, JP8, NITRIC ACID, H₂SO₄, Hydrazine and other chemicals which are sensitive in nature are required to be carefully tested.</p> <p>(c) BOO will present few samples of threat chemicals which are not mentioned in the QR's & will give info of the chemicals to the OEM & the OEM will have to add the new list (If not present) to the database of the detector during the trials.</p> <p>(d) Firm to provide certificate from a national/ international accredited lab certifying the detection of the chemicals as mentioned at Para 2.</p> <p>(e) Chemicals required will be provided by the user organization.</p>		

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21011/44/2018-PM-I
 Government of India
 Ministry of Home Affairs
 Police Modernisation Division

Jaisalmer House, 26, Man Singh Road,
 New Delhi, dated 13th August, 2018.

To

1. Principal Secretaries (Home) of State Governments
2. Director Generals of Police of States
3. DGs, CAPFs BSF, CISF, CRPF, ITBP, NSG, SSB, AR

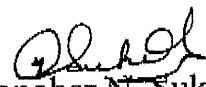
Subject: Standard Operating Procedure(SOP) regarding unserviceable/obsolete arms and ammunition with State/Central Police Forces and disposal of captured arms and ammunition.

Sir,

I am directed to state that this Ministry is in the process of evolving a Standard Operating Procedure(SOP) for declaration of weapons, their associated accessories, spare parts as well as ammunition with State/Central Police Forces as unserviceable/obsolete and also their disposal including disposal of captured arms, ammunition etc. In this connection, the Ministry needs to take stock of the magnitude of the unserviceable/obsolete arms and ammunition as well as captured arms and ammunition.

2. The State Governments and Central Armed Police Forces are requested to kindly provide information of number of old /obsolete/ unserviceable weapons & their spare parts and ammunition lying with the respective Police Forces along with a few sample photographs. Since the task at hand is merely to assess the magnitude of such arms, ammunition, etc., the State Governments/CAPFs may provide approximations and exact information may not be necessary. The information is urgently required and the same may be faxed or emailed to us-pm@nic.in by **27th August, 2018.**

Yours faithfully,


 (Manohar N. Sukole)

Under Secretary (Police Modernisation - I)

Telefax : 2309 6126

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DRAFT TRIAL DIRECTIVES FOR LIQUID EXPLOSIVE DETECTOR (Contd...)

Ser No	Specification	Trial Directives	Response from the firm	
			Compliant (Mention Yes or No)	Comments/ suggestion (in case non compliant)
3.	Should detect the presence of hazardous liquids or gels regardless of container shape & size.	To be physically checked by the BOO.		
4.	Should detect without the need to open the bottle or liquid container, also without the need to remove the label (if any) on the container.	To be physically checked by the BOO.		
5.	Should be able to detect explosive in the container of thickness ≤ 7 mm and are made up of:- (a) Clear (Transparent) glass or plastic. (b) Colored glass or plastic. (c) Translucent glass or plastic. (d) PET bottle. (e) Patterned or embossed glass or plastic.	To be physically checked by the BOO.		
6.	Should operate in conditions between - 20°C to +55°C or better.	Firm to provide a certificate from National/ International accredited lab.		
7.	Should be able to perform an analysis on containers with minimum liquid of 10 ml.	(a) Tests will be performed on 10 ml liquid which will be in the clear glass vials. (b) To be physically checked by BOO.		

DRAFT TRIAL DIRECTIVES FOR LIQUID EXPLOSIVE DETECTOR (Contd...)

Ser No	Specification	Trial Directives	Response from the firm	
			Compliant (Mention Yes or No)	Comments/ suggestion (in case non compliant)
8.	Detection Time - Detection time should be \leq 01 Minute.	To be physically checked by the BOO.		
9.	(a) The result of analysis to be displayed on a screen and should be simple and easy to understand and should display name of the chemical/liquid on the screen after the detection. (b) Should have visual display of min 3.5" high resolution screen (touch/buttons control panel) for all light conditions.	To be physically checked by the BOO.		
10.	Should have a false alarm rate of less than 5% under all operating conditions.	(a) To be physically checked by the BOO. (b) Firm to provide certificate from a National /International accredited lab.		
11.	Should have proximity sensor.	BOO will check for proximity sensor by operating the equipment close to the target & when it is moved back more than three meters from the target the laser should stop.		
12.	Should have no radioactive material used inside the detector.	Firm to provide a certificate from a National/ International accredited lab.		
13.	The tech being employed by the equipment should not ignite the liquid explosive, gun powder, detonating cord and similar kind of other explosives.	(a) BOO will check on various samples. (b) Firm to provide a certificate from a National/ International accredited lab.		
14.	Equipment should not require any calibration or sample preparation.	To be physically checked by the BOO.		

DRAFT TRIAL DIRECTIVES FOR LIQUID EXPLOSIVE DETECTOR (Contd...)

Ser No	Specification	Trial Directives	Response from the firm	
			Compliant (Mention Yes or No)	Comments/ suggestion (in case non compliant)
15.	Should not use any consumable items.	To be physically checked by the BOO and OEM to provide certificate		
16.	Should be one-piece hand held design & one-man portable which can be carried on body through holster/ body worn strap for long operations.	To be physically checked by the BOO.		
17.	Should not weigh more than 2 Kg with batteries when operationally ready (without holster/body worn strap).	To be physically checked by the BOO.		
18.	The detector should have rugged carrying case with min IP 67 rating or better with its all set & accessories inside and hand carried by one person.	(a) To be physically checked by the BOO and Firm to provide certificate for IP rating through National/ International accredited lab.		
19.	Should have battery charger of CE standard 2015 or better.	Firm to provide a certificate from a National/ International accredited lab.		
20.	The detector should have min IP 65 rating.	Firm to provide a certificate from a National/International accredited lab.		
21.	Should have min 5 hrs of operation time with one set of rechargeable batteries. The rechargeable set of batteries used should be commercial available. Firm to provide one spare set of rechargeable batteries.	To be physically checked by the BOO.		
22.	The system should be operationally ready in less than 90 seconds after pressing the start button.	To be physically checked by the BOO.		
23.	There should be no warm up time and calibration required between two consecutive test/ detection.	To be physically checked by the BOO.		

DRAFT TRIAL DIRECTIVES FOR LIQUID EXPLOSIVE DETECTOR (Contd...)

Ser No	Specification	Trial Directives	Response from the firm	
			Compliant (Mention Yes or No)	Comments/suggestion (in case non compliant)
24.	The system should save the detection information on the device log event, which can be downloaded & transferred to a laptop.	To be physically checked by the BOO.		
25.	The user should have an option to upgrade the database.	To be physically checked by the BOO.		
26.	System should come with a user manual & quick reference document specifying the shelf life and operational life of the equipment.	To be physically checked by the BOO.		