

No. 72013/2014/159/PRO/HQ NSG 9902

भारत सरकार/Government of India

गृह मंत्रालय/Ministry of Home Affairs

पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division

संभरण-I डेस्क /Prov.I Desk

26, Man Singh Road, Jaisalmer House
New Delhi, the 23 December, 2014

To,

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

Subject: QRs and Trial Directives of Car Remote Opening Kit.

The QRs and Trial Directives of **Car Remote Opening Kit** as per Annex-I and Annex-II respectively have been accepted by the Competent Authority in MHA.

2. Concerned CAPF will be accountable for correctness of the QRs & TDS.
3. Henceforth, all the CAPFs should procure the above item required by them strictly as per the laid down QRs.

Yours faithfully,



(P. K. Srivastava)

Under Secretary to the Govt. of India

Tel : 23381278



Encl: As above.

Copy forwarded to SO (IT), MHA, with the request to host the QRs and Trial Directives of Tactical Ladder Launcher on the website of MHA (under the page Organizational Set up-Police Modernization Division-Qualitative Requirements – BDDS Equipment), soft copy is being sent through email.



(R K Soni)

Section Officer (Prov.I)

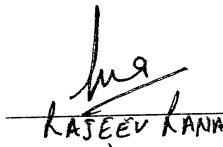
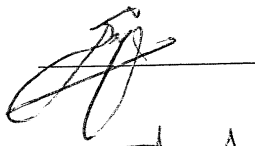
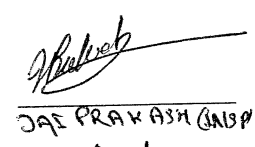
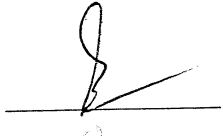
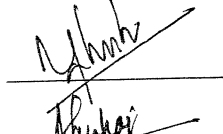
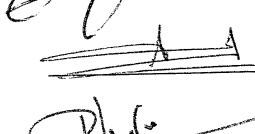
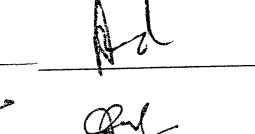
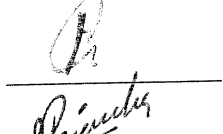
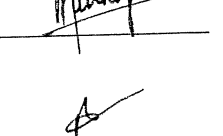

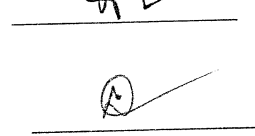
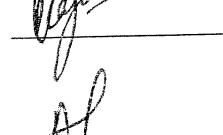
Copy to: DDG(Procurement), MHA.

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QRs / TECHNICAL SPECIFICATION FOR CAR REMOTE OPENING KIT

General. The equipment is used to open vehicle remotely without exposing the bomb technician to the danger. The equipment should be able to open all types of Cars available in the Indian market. The technical specifications of various components are:-

<u>Ser No</u>	<u>Technical Specifications of components</u>
1.	Car key clamp: It should be able to hold all types of car key securely in order to turn it remotely in the Car lock.
2.	Car button pusher: It should be able to be clamped to the door handle and depress the button of the door lock.
3.	Car door handle lifter and puller: It should be able to lift and pull the handle of the Car door.
4.	Main Line: It should be made with a Kevlar core and polyester over braid minimum 5 mm diameter with a minimum breaking strength of 750 kg. Its length should be minimum 120 mtrs.
5.	Reel: The reel should be made up of suitable sturdy material with a mount for easy operation. It should be fitted with a rewind handle and a locking arrangement. Its diameter should be minimum 300 mm. It should be able to store and deploy a line of 5 mm diameter and 120 mtrs. Length.
6.	Fish Hook: It should be sharply pointed triple barbed hook for piercing plastic and fabric. Its overall length should be 60 mm minimum.
7.	Other Hooks: (a) Plain Tang 12 mm diameter, 25 mm diameter, 50 mm diameter. (b) Barbed Tang of 12 mm diameter, 25 mm diameter, 50 mm diameter. Each hook should have a screw stud.
8.	Metallic Pulling Handle: Weight 250 gram maximum. Able to grip a line of 5mm diameter.
9.	Seizers: For gripping thin flexible material with minimal disturbance, length 170 mm – 180 mm.
10.	Telescopic pole and Hook: Pole should be light weight and extendable up to 3 mtrs, fitted with thread to fix a hook.
11.	Spring Grip: It should be of 100mm length with 350 mm wire cable and should be light weight. Jaws open to maximum of 25 mm fitted with an eye for line attachment. Made of plated steel.
12.	Toothed Allen Grip: Length 200 mm with 50 kg breaking strength and should be able to seize the edges of heavy sheet materials.

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QRs / TECHNICAL SPECIFICATION FOR CAR REMOTE OPENING KIT
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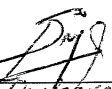
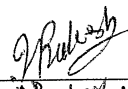

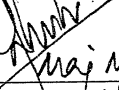
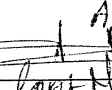

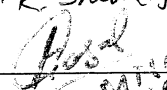
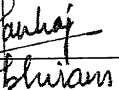
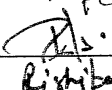
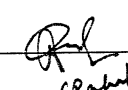
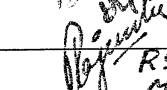
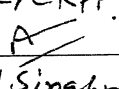
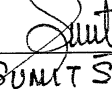
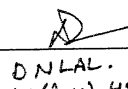
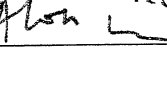
<u>Ser No</u>	<u>Technical Specifications of components</u>
13.	Jaw Grip: Able to lock on to hard edges, fitted with an eye for attaching a line. Jaw opening 25mm, length 250mm.
14.	Belt Sling: Load capacity minimum 600 Kg. Made of polyester and of adjustable length.
15.	Rope sling: 2 mtrs length, diameter 3mm to 5mm, polyester rope with soft eye at each end.
16.	Wire sling: 2 mtrs long galvanized steel wire with soft eye at one end and rigid eye at other. Diameter 1.5 to 3mm
17.	Shock Cord : Diameter 10-12mm, length minimum 2 mtrs. Steel hook fitted with each end.
18.	Karabiner : 15mm to 24mm gate with maximum load strength of 2500 Kg. Made of aluminium alloy.
19.	Snatch block: It should have a pulley with spring loaded latch, fitted with an eye for attaching with anchor point and for use with 5mm line, lifting capacity of minimum 1350 Kg.
20.	Self opening Snatch block: It should have automatic release mechanism to free the line and change its direction at a point. Load capacity 200 Kg. Able to be used with 5 mm diameter line.
21.	Rough Terrain Sledge: For collecting small cases and packages around obstacles. Able to accommodate packages up to 500mm wide. Weight 1.5 Kg.
22.	Ground Anchor: Length 30cm to 100cm. Made of steel with an eye for attaching a line.
23.	Cork screw stake: Able to provide an anchor in firm ground and fitted with an eye. Length 40 cms.
24.	Suction pad with anchors: Two suction pad anchors to give a powerful grip to flat surfaces like metal or glass. Both should have eyes for attaching line. Their sizes should be 115 mm diameter and 320mm length. It should be able to hold a weight of minimum 50 kg.
25.	Self Adhesive Pad Anchor: To be used as an anchor point on dry surfaces.
26.	Doorway anchor: To provide anchor points at doors and windows. Fitted with locking mechanism and eyes for attaching with snatch blocks.
27.	Line Branch: It should have an eye that can be clamped on a line to provide a fixing point for another line.

QRs / TECHNICAL SPECIFICATION FOR CAR REMOTE OPENING KIT
(Contd.....)


<u>Ser No</u>	<u>Technical Specifications of components</u>
28.	Pitons: Able to be driven into walls and floors to provide anchor points for snatch blocks Length 50mm, 70mm and 80 mm, thickness 5mm to 10mm.
29.	Sliding Bar Clamp Anchor: Able to provide convenient anchor points at doors and windows, eye at the center and each end of its bar for attachment with snatch block.
30.	Screw Eye : Length 65 mm, eye dia 20mm
31.	EOD Crimping Tool: For cutting firing lines.
32.	Pocket tool set: Made of steel, 11 piece tool set in pocket knife style package.
33.	Door Wedge : Made of rubber with length 120mm

Notes:

- (i) All metallic parts should be made up of rust proof material.
- (ii) Quantity of each component in a kit to be specified by the user as per the requirement.





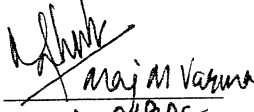
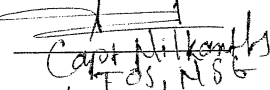
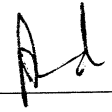

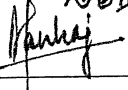
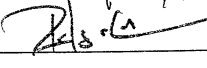
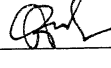


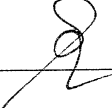
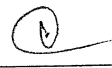

 Rajeev Karna, AC, SSB	 Sankar Kataria IS AC (SDD) / IG-1	 Jai Prakash (LISF)	 AFR Shukla (ACISF)
 Maj M Varma NBOC	 Capt Nithin FOS, NSG	 Maj Arvind Singh BPO, NSG	 Raj (SDD) / Ben RD
 Abhinav Kulkarni DC, CRPF	 Rishi Pal Singh DC BAF	 Rahul Yadav (2nd Prov) / 17BS	 RS Bhadani Maj TC (WE)
 Anil Singhroha Lt Col, LOAR	 Sunil Sachdeva SC (Ord), NSG	 DNLAL GC (Prov) HQ, NSG	 Alon

APPROVED / NOT APPROVED


(J N Choudhury)
DG, NSG

TRIAL DIRECTIVES OF CAR REMOTE OPENING KIT

<u>Ser No</u>	<u>Technical Specifications</u>	<u>Trial Methodology</u>
1.	Car key clamp: It should be able to hold all types of car key securely in order to turn it remotely in the Car lock.	To be physically checked by BOO by holding a car key and turning it in car lock.
2.	Car button pusher: It should be able to be clamped to the door handle and depress the button of the door lock.	To be physically checked by BOO by depressing the button and opening the car door.
3.	Car door handle lifter and puller: It should be able to lift and pull the handle of the Car door.	To be physically checked by BOO.
4.	Main Line: It should be made with a Kevlar core and polyester over braid minimum 5 mm diameter with a minimum breaking strength of 750 kg. Its length should be minimum 120 mtrs.	To be physically checked by BOO and will obtain OEM certificate in this regard.
5.	Reel: The reel should be made up of suitable sturdy material with a mount for easy operation. It should be fitted with a rewind handle and a locking arrangement. Its diameter should be minimum 300 mm. It should be able to store and deploy a line of 5 mm diameter and 120 mtrs. Length.	To be physically checked by BOO.
6.	Fish Hook: It should be sharply pointed triple barbed hook for piercing plastic and fabric. Its overall length should be 60 mm minimum.	To be physically checked by BOO.
7.	Other Hooks: (a) Plain Tang 12 mm diameter, 25 mm diameter, 50 mm diameter. (b) Barbed Tang of 12 mm diameter, 25 mm diameter, 50 mm diameter. Each hook should have a screw stud.	To be physically checked by BOO.
8.	Metallic Pulling Handle: Weight 250 gram maximum. Able to grip a line of 5mm diameter.	To be physically checked by BOO.

TRIAL DIRECTIVES OF CAR REMOTE OPENING KIT (Contd...)

<u>Ser No</u>	<u>Technical Specifications</u>	<u>Trial Methodology</u>
19.	Snatch block: It should have a pulley with spring loaded latch, fitted with an eye for attaching with anchor point and for use with 5mm line, lifting capacity of minimum 1350 Kg.	To be physically checked by BOO.
20.	Self opening Snatch block: It should have automatic release mechanism to free the line and change its direction at a point. Load capacity 200 Kg. Able to be used with 5 mm diameter line.	To be physically checked by BOO.
21.	Rough Terrain Sledge: For collecting small cases and packages around obstacles. Able to accommodate packages up to 500mm wide. Weight 1.5 Kg.	To be physically checked by BOO.
22.	Ground Anchor: Length 30cm to 100cm. Made of steel with an eye for attaching a line.	To be physically checked by BOO.
23.	Cork screw stake: Able to provide an anchor in firm ground and fitted with an eye. Length 40 cms.	To be physically checked by BOO.
24.	Suction pad with anchors: Two suction pad anchors to give a powerful grip to flat surfaces like metal or glass. Both should have eyes for attaching line. There sizes should be 115 mm diameter and 320mm length. It should be able to hold a weight of minimum 50 kg.	To be physically checked by BOO.
25.	Self Adhesive Pad Anchor: To be used as an anchor point on dry surfaces.	To be physically checked by BOO.
26.	Doorway anchor: To provide anchor points at doors and windows. Fitted with locking mechanism and eyes for attaching with snatch blocks.	To be physically checked by BOO.











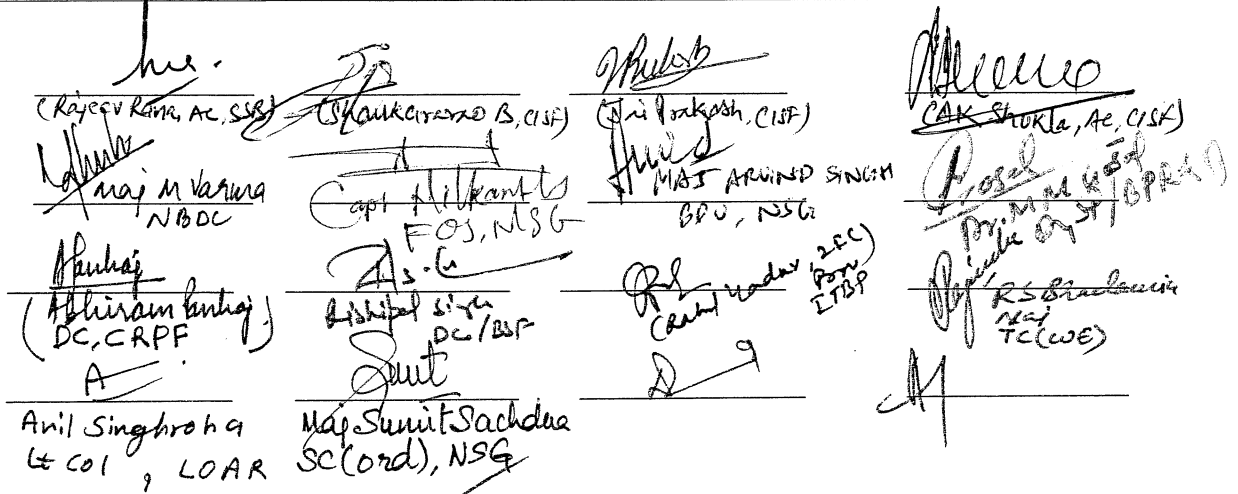







TRIAL DIRECTIVES OF CAR REMOTE OPENING KIT (Contd...)

<u>Ser No</u>	<u>Technical Specifications</u>	<u>Trial Methodology</u>
27.	Line Branch: It should have an eye that can be clamped on a line to provide a fixing point for another line.	To be physically checked by BOO.
28.	Pitons: Able to be driven into walls and floors to provide anchor points for snatch blocks Length 50mm, 70mm and 80 mm, thickness 5mm to 10mm.	To be physically checked by BOO.
29.	Sliding Bar Clamp Anchor: Able to provide convenient anchor points at doors and windows, eye at the center and each end of its bar for attachment with snatch block.	To be physically checked by BOO.
30.	Screw Eye : Length 65 mm, eye dia 20mm	To be physically checked by BOO.
31.	EOD Crimping Tool: For cutting firing lines.	To be physically checked by BOO.
32.	Pocket tool set: Made of steel, 11 piece tool set in pocket knife style package.	To be physically checked by BOO.
33.	Door Wedge : Made of rubber with length 120mm	To be physically checked by BOO.



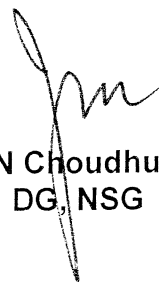
 (Rajeev Kumar, AC, SSG) (Shankar Das, CISE) (Jai Prakash, CISE) (Anil Singh, AC, CISA)

 Maj M Varma NBOC Capt. Mil Kant FOS, NSG Maj Arvind Singh BOO, NSG Pr. M. K. Bhat (GPR)

 (Abhiram Bhatnagar) DC, CRPF Asst. Dir. (DC/BSP) Col. Chandan (2CC) (P) LTBP

 Anil Singh h 9 Lt Col, LOAR Maj. Sumit Sachdeva SC (ord), NSG RS Brindavan Maj TC (WE)

APPROVED / NOT APPROVED



 (J N Choudhury)

 DG, NSG