

Defense and Law Enforcement and Security and Safety Equipment and Supplies, UNSPC Code: 46							VERSION 3.0		
Security surveillance and detection, UNSPC Code: 4617									
Surveillance and detection equipment, UNSPC Code: 461716									
Wire and Cable Locator as Per MHA QRs, UNSPC Code: 46171699									
S.No.	Parameters	Field Type	Field Category	LOV			Remark	Unit	
CONFORMITY									
1	Conformity to technical requirements	Enumerable	GOLDEN	As per QR/specification for 'Wire and Cable Locator', approved by MHA vide letter No. P/604/2013(389)NSG-747 Dated 07th April, 2015. (Copy of Qrs / TDs uploaded in GeM portal)					
2	Availability of QR/specification for 'Cable and Wire Locator'	Enumerable	Mandatory	YES					
3	QR/specification has been seen, read and understood	Enumerable	Mandatory	YES					
4	Scope of supply of 'Wire and Cable Locator' covers all components and Accessories complete as per governing QR/specification	Enumerable	Mandatory	YES					
5	Standard Accessories/Connectors essentially required for working of equipment inclusive in the scope of Supply	Enumerable	Mandatory	Yes					
GENERIC									
1	Total Weight With Batteries	Measurable	Mandatory	<= 4			AKBNV	kg	
2	Overall Dimension	Text	Mandatory				AKBNV		
5	Other Features (May indicate URL)	Text	Mandatory				AKBNV		
ADVANCE SAMPLE / TRAINING									
1	Number of days Training offered at consignee's place (Hint:- May indicate '0' if Not Applicable)	Measurable	GOLDEN	0, 1, 2, 3				days	
2	Agree to provide Advance Sample(s) for buyer's approval / Field Trial before commencement of supply	Enumerable	GOLDEN	Yes	No				
3	Number of days required to provide Advance Sample to the buyer (from the date of placement of order) (Hint:- May indicate '0' if Not Applicable)	Measurable	Mandatory / Filter	Range: 0 to 15				days	
ENVIRONMENTAL									
1	Operating Temperature	Enumerable	Mandatory	- 10 deg. C to + 50 deg. C					
3	Ingress Protection	Enumerable	Mandatory	IP 67					

No. P/604/2013(389)NSG-747
भारत सरकार/Government of India
गृह मंत्रालय/Ministry of Home Affairs
पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division
संभरण-1 डेस्क/Prov.I Desk

26, Man Singh Road, Jaisalmer House,
New Delhi, the 07 April, 2015.

To,

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

Subject :Revised QRs and Trial Directives for Cable and Wire Locator.

The QRs and Trial Directives in respect of Cable and Wire Locator as per the Annex-I and Annex-II respectively have been accepted by the Competent Authority in MHA.

2. Henceforth, all the CAPFs should procure the above item required by them strictly as per laid down Technical Specifications/QRs.

3. Concerned CAPF will be accountable for correctness of the QRs/Trial Directives.

Yours faithfully,


7/4/15
(M. K. Chahar)

Under Secretary (Prov-I)

Encl.: As above.

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



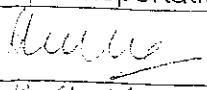
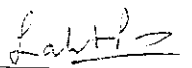
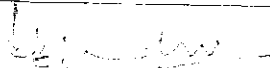

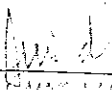
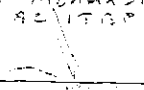


(R K Soni)
Section Officer (Prov.I)

Copy to : DDG(Procurement), MHA.

QRs OF CABLE AND WIRE LOCATOR

Technical Specifications of Cable and Wire Locator

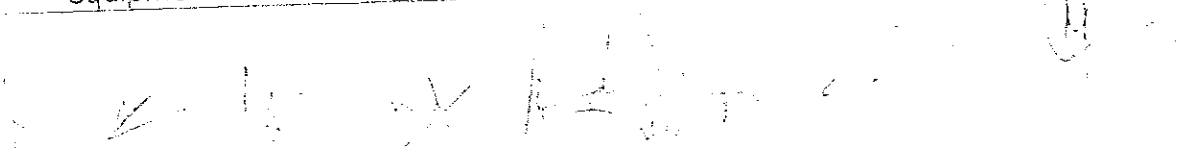
- | No | |
|-----|---|
| 1. | It should be battery operated hand held search device for the detection of command wires leading to remote control IEDs. |
| 2. | Detection : It should be able to detect and locate cable of at least 50 meter length which is buried at the depth of minimum 20 cm. It should be able to detect such cables in all weather and soil conditions (dry soil, moist soil, soil with high metallic content) in active and passive modes both. |
| 3. | The detector & its accessories should be made of non-corrosive material. |
| 4. | The electronic circuit should be hermetically sealed. In case of battery leakage the electronic circuit should not get damaged. |
| 5. | The equipment should have low battery indicator (audio & visual). |
| 6. | False alarm rate should be < 1%. |
| 7. | Length of the shaft to be adjustable, + 20 %. |
| 8. | Manual controls for power on/off & for adjusting:-
(i) Volume.
(ii) Sensitivity.
(iii) Gain. |
| 9. | The equipment should give an audible alarm even when head phones are not used. |
| 10. | Accessories . Along with the standard accessories, the equipment must have the following :-
(a) Set of spare batteries (dry rechargeable).
(b) Battery charger for rechargeable batteries.
(c) Field back pack.
(d) Ruggedized transit case. |
| 11. | Components The equipment should contain sensing head, shaft, test piece, headphone (full ear covering headphone), battery carrier and any other item required for smooth operation of the equipment. |
| 12. | Alarm Audio and visual. |
| 13. | Power supply Dry Rechargeable and non rechargeable battery. Minimum life of battery 8 hours on full power mode under operational conditions. |
| 14. | Operation time Minimum 12 Hours on full power mode in operational conditions. |
| 15. | Operating temperature range : -10° to +50° Celsius. |
| 16. | Operational weight with batteries : Maximum 4 kgs. |
| 17. | Protection : Equipment should be IP-67 compliant. |
| 18. | Misc:-
(a) Tech Manual giving full description of the item.
(b) User's hand book & literature on packing, handling, operation, maintenance, transportation & storage of equipment |

 (A.R. Shrivastava)
  Lalit Mohan Singh
 Anil Kumar
  Rajesh Kumar
 Anil Kumar
  Anil Kumar
  Anil Kumar
  Anil Kumar

APPROVED / NOT APPROVED

TRIAL DIRECTIVES OF CABLE AND WIRE LOCATOR

Ser No	QR of Cable and Wire Locator	Trial methodology
1.	It should be battery operated, hand held search device for the detection of command wires leading to remote control IEDs.	To be physically checked by the Board of Officers (BOO).
2.	Detection : It should be able to detect and locate cable of at least 50 meter length which is buried at the depth of minimum 20 cm. It should be able to detect such cables in all weather and soil conditions (dry soil, moist soil, soil with high metallic content) in active and passive modes both.	-do-
3.	The detector & its accessories should be made of non-corrosive material.	Certificate from the OEM to be provided by the firm and the same to be checked by the BOO.
4.	The electronic circuit should be hermetically sealed. In case of battery leakage the electronic circuit should not get damaged.	-do-
5.	The equipment should have low battery indicator (audio & visual).	To be physically checked by the BOO.
6.	False alarm rate should be < 1%.	-do-
7.	Length of the shaft to be adjustable, $\pm 20\%$.	-do-
8.	Manual controls for power on/off & for adjusting:- (a) Volume. (b) Sensitivity. (c) Gain.	-do-
9.	The eqpt should give an audible alarm even when head phones are not used.	-do-
10.	Accessories . Along with the standard accessories, the equipment must have the following :- (a) Set of spare batteries (dry rechargeable). (b) Battery charger for rechargeable batteries. (c) Field back pack. (d) Ruggedized transit case.	-do-
11.	Components The equipment should contain sensing head, shaft, test piece, headphone (full ear covering headphone), battery carrier and any other item required for smooth operation of the equipment.	-do-



TRIAL DIRECTIVES OF CABLE AND WIRE LOCATOR (Contd..)

Ser No	QR of Cable and Wire Locator	Trial methodology
12.	<u>Alarm</u> Audio and visual	To be physically checked by the BOO.
13.	<u>Power supply</u> Dry Rechargeable and non rechargeable battery. Minimum life of battery 8 hours on full power mode under operational conditions.	-do-
14.	<u>Operation time</u> Minimum 12 Hours on full power mode in operational conditions.	-do-
15.	<u>Operating temperature range</u> : -10° to +50° Celsius.	Firm to provide certificate from a National/International accredited lab. The certificate to be checked by the BOO.
16.	<u>Operational weight with batteries</u> : Maximum 4 kgs.	To be physically checked by the BOO.
17.	<u>Protection</u> : Equipment should be IP67 compliant.	Firm to provide certificate from a National/International accredited lab. The certificate to be checked by the BOO.
18.	<u>Misc:-</u> (a) Tech Manual giving full description of the item. (b) User's hand book & literature on packing, handling, operation, maintenance, transportation & storage of equipment	To be physically checked by the BOO.

(A.K. SINGH AC CRF) Lt. Mohan Singh AC 2F GP M.S. Yadav AC CRF (MPT. M. VARMA SSG, TRG. CEN. NSG)

MAI ARVIND SINGH, BOO NSG (S. K. SINGH) (M. S. SINGH) (S. K. SINGH)

(S. K. SINGH) (S. K. SINGH) (S. K. SINGH) (S. K. SINGH)

APPROVED / NOT APPROVED

(J N Choudhury)
DG NSG