

No. P/604/2014(389)/Thermal Cutter/NSG
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 1st December, 2014.

To,

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

Subject : QRs and Trial Directives for Thermal Cutter.

The QRs and Trial Directives in respect of Thermal Cutter 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 the laid down Technical Specifications/QRs.
3. Concerned CAPF will be accountable for correctness of the QRs/Trial Directives.

Yours faithfully,

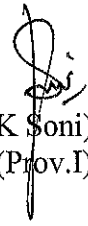


(P. K. Srivastava)

Under Secretary (Prov-I)

Encl.: As above.

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



(R K Soni)

Section Officer (Prov.I)

Copy to : DDG(Procurement), MHA.

QR / TECHNICAL SPECIFICATION FOR THERMAL CUTTER

Introduction :- Thermal Cutter is a BD Eqpt used by bomb technicians to gain access to the inside of a soft skin IED by making triangular holes, without disturbing the IED.

Srl No	Technical Specifications
1.	The equipment should achieve its peak temperature of minimum 250°C in less than 6 minutes.
2.	The equipment should have a heating element head in the shape of equilateral triangle.
3.	Size of the triangle head : 5" ± ½ "
4.	The cutting edges of the triangular head should be thin, sharp and rigid.
5.	It should be able to cut the plastic materials of thickness min 5mm.
6.	The triangular head should be attached with the stand with the help of a rod of maximum length 50 cms, adjustable as per requirement.
7.	The rod should be attached with the stand with the help of a hinge which can be rotated in 360 degree. The base of the stand can be placed on uneven ground and should hold the complete equipment stable.
8.	Total Weight of the equipment (excluding accessories) should not exceed 6 Kgs.
9.	It should be able to operate on 220 Volts AC. The length of the cable for main supply should be minimum 20 meters with an additional 300 meters cable, with an attachment arrangement.
10.	All metal parts should be rust proof and rugged for repeated use, all electrical components should comply to ISI/BIS standard.
11.	The carrying case should be light weight, water resistant, scratch proof, rugged and wheeled for storage and transportation.

[Signature]
A. K. Sunkh, ACU

[Signature]
Maj. RS Singh
BD UNIT, NBDC

[Signature]
Maj. (S. Bhadani)
TC (WE) HANS

[Signature]
Capt. Nishant
TL, FOS HSG
Mumbai
Abhinav Kulkarni
DC, CRPF

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Sub. Insp. Rajan
TC, NBDC, NSG
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Insp/T Pradeep Sharma
SIW BSF

[Signature]
Maj. S. Sachdeva
SE (ind), HANS

✓
APPROVED / NOT APPROVED

[Signature]
(J N Choudhury)
DG, NSG

TRIAL DIRECTIVES OF THERMAL CUTTER

SI No	Technical Specifications	Trial Methodology
1	The equipment should achieve its peak temperature of minimum 250°C in less than 6 minutes.	To be physically checked by BOO.
2	The equipment should have a heating element head in the shape of equilateral triangle.	To be physically checked by BOO.
3	Size of the triangle head : 5" ± ½ "	To be physically checked by BOO.
4	The cutting edges of the triangular head should be thin, sharp and rigid.	To be physically checked by BOO.
5	It should be able to cut the plastic materials of thickness min 5mm.	To be physically checked by BOO.
6	The triangular head should be attached with the stand with the help of a rod of maximum length 50 cms, adjustable as per requirement.	To be physically checked by BOO.
7	The rod should be attached with the stand with the help of a hinge which can be rotated in 360 degree. The base of the stand can be placed on uneven ground and should hold the complete equipment stable.	To be physically checked by BOO.
8	Total Weight of the equipment (excluding accessories) should not exceed 6 Kgs.	To be physically checked by BOO.
9	It should be able to operate on 220 Volts AC. The length of the cable for main supply should be minimum 20 meters with an additional 300 meters cable, with an attachment arrangement.	To be physically checked by BOO.
10	All metal parts should be rust proof and rugged for repeated use, all electrical components should comply to ISI/BIS standard.	A certificate to the effect to be provided by the OEM.
11	The carrying case should be light weight, water resistant, scratch proof, rugged and wheeled for storage and transportation.	To be physically checked by BOO.

[Signature]
 CAPR Sankar, AC CWF
[Signature]
 Sub M Poojw Raju
 AC, NSDC, NSG
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 (Insp) Poojw Sheerama
 SIW BSF

[Signature]
 (Jatinder Singh, AC
 2017)
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 Maj RS Jitoh
 SDW, NSDC
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 Maj Sumit Sachdeva
 SC (ovd), HQ NSG.
APPROVED / NOT APPROVED

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 Mr. M. M. Choudhary
 Dy SP, SPAD
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 (R. Chaudhary)
 Maj
 HC (WC) NSG

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 (CAPF) Vikrant Singh
 Dy SP, NSG
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 Ashwani Kumar
 DC, CRPF

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 (J N Choudhury)
 DG, NSG