

पत्रांक संख्या/आपूर्ति/95-1-12-2020/.....651

बिहार पुलिस मुख्यालय,
(आधुनिकीकरण,अपराध अभिलेख एवं प्रोविजन प्रभाग)

पटना, दिनांक-07/09/20

सेवा में,

निदेशक,

सूचना एवं जनसम्पर्क विभाग,

बिहार, पटना।

विषय— निविदा आमंत्रण सूचना सं०-09/2020-21 के प्रकाशन के संबंध में।

निदेशानुसार उपर्युक्त विषय के संबंध में निविदा आमंत्रण सूचना सं०-09/2020-21 की प्रतियाँ भेजते हुए अनुरोध है कि इसे राज्य एवं राज्य से बाहर के प्रमुख समाचार पत्रों में (अंग्रेजी एवं हिन्दी) के अगले दो संस्करणों में प्रकाशित कराने की कृपा की जाय साथ ही पी०आर०डी० वेबसाइट पर भी प्रसारित करने की कृपा की जाय।

इस निविदा आमंत्रण सूचना का प्रकाशन किन-किन समाचार पत्रों में किया गया इसकी सूचना देने की कृपा की जाय।

अनु०-यथोपरि।

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31/9/20

पुलिस महानिरीक्षक के सहायक (क्यू०).

बिहार, पटना

प्रतिलिपि:--

1. आई०टी० मैनेजर, पुलिस महानिदेशक का कार्यालय, बिहार, पटना को कृपया सूचनार्थ। कृपया इसे आज ही वेबसाइट पर अपलोड किया जाय। साथ ही Indian Trade Journal, Kolkata के अंक में प्रकाशन हेतु Government of India, the Controller of Publications, Civil Lines, Delhi : 110 054,(Tel No. 011-23812527, FAX : 011-23817846), Email Id-sk.mondal.dgcis@nic.in के पतेपर भी अनिवार्य रूप से भेजा जाय।
2. Government of India, the Controller of Publications, Civil Lines, Delhi : 110 054,(Tel No. 011-23812527, FAX : 011-23817846), Email Id- sk.mondal.dgcis@nic.in को कृपया सूचनार्थ एवं आवश्यक क्रियार्थ प्रेषित। अनुरोध है कि उक्त निविदा का प्रकाशन Indian Trade Journal, Kolkata के अंक में करने की कृपा की जाय।

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31/9/20

पुलिस महानिरीक्षक के सहायक (क्यू०).

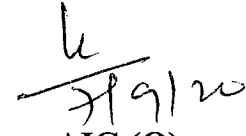
बिहार, पटना

Police Headquarters, Bihar, Patna
Notice Inviting Tender No.-09/2020-21

1. Name of the Department: Office of Director General of Police, Bihar, Patna.
2. Last date & time for the acceptance of the tender : 30/09/2020, Till 02:00 PM
3. Date & time fixed for the opening of the tender : 30/09/2020, At 04:00 PM
4. Place fixed for receiving & opening the tender : Office of Director General of Police, Bihar, Patna.
5. Details of Job:

S.N.	Item name	Quantity
1	Fixed DFMD Multizone	54
2	HHMD	105
3	Dragon Light	100
4	Under Vehicle Search Mirror	52

Specifications and other terms & conditions of the tender may be obtained in person from this office or may be downloaded from the website www.prdbihar.gov.in or www.biharpolice.bih.nic.in.


AIG (Q)
Bihar, Patna

Terms & Conditions of Tender No.-09/2020-21

1. The tender should be submitted in two parts: (i) Technical Bid and (ii) Financial Bid, duly sealed in two separate envelopes super-scribed as "Technical Bid" and "Financial Bid".
2. All relevant papers/ E.M.D./certificates/specifications etc. of items should be enclosed in the Technical Bid.
3. The rates of the items shall be quoted in the Financial Bid only.
4. All charges like IGST/CGST/SGST etc. shall be clearly mentioned in the Financial Bid and the net rate (in figures and words) including all taxes and duties must also be quoted. Vague offers like indicating taxes "as applicable" will not be accepted.
5. The rates of the items shall be quoted in the Financial Bid in two parts :
(i) With AMC (Annual Maintenance Contract) and (ii) Without AMC
6. There should be no cutting, over writing or correction on the rates.
7. The technical and financial bids for each item should be submitted separately in separate envelopes. The technical and financial bids for more than one items submitted together in the same envelope shall not be accepted.
8. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
9. The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked Tender No-09/2020-21 (Technical Bid) and Tender No-09/2020-21 (Financial Bid) along with the name and address of the firm. The sealed envelopes containing the technical and the financial bids should be sent in another sealed envelope which should be marked as Tender No-09/2020-21. **This envelope should not bear the name and address of the firm.**
10. Income Tax Returns of last three years, a photocopy of GST registration number of the participating firm and turn-over of any two of the previous three financial years should be submitted with the technical bid. It should be specifically mentioned whether IT return has been filed manually or electronically.
11. The turnover of the firm for the last reported financial year should be at least equal to the amount of the supply order which is being issued. A copy of the profit and loss Account of the firm for any two of the previous three financial years, certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorized dealer or authorized supplier of manufacturing firm, then the certified details of the turnover of authorizing firm may be accepted. Tender specific authorization from the OEM must be submitted, but in certain cases where authorization from OEM is not required, the Technical-cum-User committee (T.U.C.) shall decide about exemption (if any) on a case-by-case basis; citing appropriate reasons for the same.
12. If there is some discount in the price of any item, it should be deducted from price itself and such discounts should not be quoted separately.
13. If the product is available on DGS & D rate contract, then a copy of the contract must be attached and pricing be done including all taxes.
14. A copy of the test report for the product issued by any established and recognized private Laboratory or by agency accredited by the Government should be attached with the technical bid. However if required, the Technical-cum-User committee (T.U.C.) can take decision regarding exemptions/relaxations (if any), citing appropriate reasons.
15. In case of Bullet Proof/Bullet Resistant items, test report of TBRL or any Government Approved/Recognized Laboratory is compulsory.

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16. Firms participating in this tender shall also submit duly sworn affidavit to the effect that " this firm has not been black listed/debarred by any Government or Semi Government or Private Agency and no sister concern of this firm is participating in this tender."
 17. Firms participating in this tender shall also submit the self attested list of users of its equipments.
 18. All items shall be received at Central Clothing Store, Patna; therefore price should be quoted FOR Central Clothing Store, Phulwari Sharif, Patna.
 19. Firms will have to deposit a sum of Rs. 50,000/- (Fifty Thousand) only as an earnest money deposit in the form of Bank Draft duly pledged in favor of the undersigned along with the quotations. The small scale units located in Bihar shall not be liable to deposit earnest money. Exemption from submitting E.M.D. will also be available to those who are registered with the Central Purchase Organization/State Purchase Organization and National Small Industries Corporation (NSIC).
 20. Technical Bids will be opened on scheduled date and time in the office chamber of Police Headquarter. Representatives of the firms competing in the tender may remain present at the time of opening of the technical bid.
 21. The technical bids will be opened first and placed before the Technical Committee of the Police Headquarters, Bihar. If the technical bids are found satisfactory as per tender conditions, it will be put before Central Purchase Committee of the Police Headquarters, Bihar. The firms may be required to participate in the demonstrations of the quoted product and discussions with this committee.
 22. Any paper/document will not be accepted after opening the tender.
 23. Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the order as security money in the form of Bank Guarantee duly pledged in favor of undersigned.
 24. The firm will be required to provide satisfactory after-sales service after the delivery of the product.
 25. The firm will be required to supply all the items within the stipulated time frame as mentioned in the purchase order.
 26. Payment for the delivered items will be made only after the acceptance report of the Inspection Committee of the Police Headquarters, Bihar.
 27. The firm whose quotation is approved by the Central Purchase Committee of the Police Headquarters, Bihar, shall be invited to enter into an agreement with the undersigned.
 28. It is expected to submit the duly filled chart attached herewith, along with the technical bid if not the tender shall be summarily rejected.
 29. Indexing of the requisite documents must be done and submitted along with the technical bid.
 30. Hands on training for 3 weeks of the equipment must be imparted to the user group by the firm after successful installation.
 31. Director General of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully, without assigning any reason thereof.
 32. The Quantity indicated may increase or decrease at the time of issuing purchase order.
 33. The bids must be include the data sheet of individual item.

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Bihar, Police.

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F.No. IV.17015/01/2007-Prov-I 22/
Bharat Sarkar/Government of India
Griha Mantralaya/Ministry of Home Affairs
PM Division

26, Man Singh Road, Jaisalmer House
New Delhi, Dated 27th January, 2015

To,

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

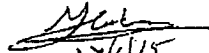
Subject: QRs and Trial Directive for Multi Zone Door Frame Metal Detector.

The QRs and Trial Directives in respect of Multi Zone Door Frame Metal Detector earlier approved vide this Ministry letter dated 07.11.2007 have been revised and accepted by the Competent Authority in MHA, as per Annexure.

2. The CAPFs concerned will be accountable for correctness of the QRs/Trial Directives.
3. Henceforth, all the CAPFs should procure the above item required by them strictly as per the laid down Technical Specifications/QRs.


Yours faithfully,

Encl: As above


27/1/15
(M.K. Chahar)
Under Secretary to the Govt of India
Tel: 23381278

Copy forwarded for necessary action to :-

✓ The Section Officer (IT), MHA: It is requested to host the QRs and Trial Directives (soft copy attached) on the MHA website (under the page of Organizational Set up- Police Modernization Division- Qualitative Requirement under Equipments list.


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

Copy to: DDG (Procurement), MHA.

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TRIAL DIRECTIVE FOR MULTI ZONE DOOR FRAME METAL DETECTOR (MZDFMD)

	SPECIFICATION	Procedure suggested for trial for Board of Officers	Result expected / desired	Complied / Not Complied
1	<p>Detection :</p> <p>(i) The system should be capable of detecting ferrous, non-ferrous and alloy metals concealed on the body of a person when passed through the archway.</p> <p>(ii) Uniform detection from top to bottom is required.</p> <p>(iii) Should be able to detect multiple metal objects of various weight, size and shape in all the zones simultaneously from head to toe.</p>	<p>To be physically checked by the BOO by passing ferrous/non-ferrous and alloy metals concealed in the body of a person, through the archway of DFMD and simultaneously checking all the points with reference QRS Para (i) - (ii)</p>	<p>In all three parameters equipment should be able to detect ferrous/non ferrous metal accordingly.</p>	
2	<p>Passage Dimension :-</p> <p>Height - Min 200 cm</p> <p>Breadth - Min 72 cm</p> <p>Width - Min 57 cm</p>	<p>To be physically checked by the BOO by measuring instrument.</p>	<p>Result should be as per the Dimension given in Para - 2</p>	
3	<p>Speed of Passage :-</p> <p>Performance of the DFMD should be independent of the speed of person passing through. This is particularly important as a person's foot may swing through the archway without touching the ground, or may come to rest on the ground between the archway pillars.</p>	<p>To be physically checked by the BOO by making a person cross the archway at varying speed.</p>	<p>A person with the metallic object when passing through the DFMD archway, equipment must generate acoustic and visual alarm.</p>	

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4	Weight :- 80 Kg maximum	To be physically checked by the BOO with the help of standard weighing machine.	Result should be as per Para -4	
5	Power supply :- 100 - 260 VAC, 50 -60Hz, 12-24 VDC, should be provided with internal battery backup for 6 hours minimum in operational condition.	Apply variable input of AC mains supply from 100 to 260 volt to the equipment and check the performance of the DFMD. Check the DFMD for the operation on battery and power backup in operational condition. Note down the continuous back up time from battery.	The equipment must work on 100 to 260 volt AC mains supply and have battery back up of 6 hours in operational mode.	
6	Alarm indication :- (i) There should be Acoustic and Optical alarm with alphanumeric display, height on person bar display (Metal locator) and low battery indication. (ii) There should be a provision for suitable setting for adjustment of volume of the audible alarm to overcome the ambient noise present in the vicinity.	To be physically checked by the BOOs.	To be verified by the BOOs.	
7	Sensitivity :- DFMD should have multi-zone capability with uniform sensitivity in all zones.	To be physically checked by the BOO by concealing a metal object on different parts of the body of a person and passing through archway. The firm should submit assurance certificate in respect of QRs Para 7	BOO should physically check multi zone capability and the certificate provided by the firm.	
8	Zones:- Not less than eight real horizontal detection zones, covering full height of the equipment.	To be physically checked by the BOO after passing a metallic item in all the zones independently and every zone should have proper	The equipment must comply with the QRs para 8.	

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		indication (acoustic and visual) of the metal concealed in the body of a person.	
9	Calibration:- DFMD shall have inbuilt feature of both manual and automatic calibration.	To be physically checked by the BOO by passing various size of metals through the archway and the DFMD should be capable to detect small and big size metals independent of their mass. While checking the calibration of DFMD, its sensitivity adjustment should not be required repeatedly.	BOO should physically check.
10	Security:- (i) There should be a provision to secure the access to the control unit by a password protected alpha numeric keypad. (ii) DFMD should reset itself within 3 Sec after alarm condition. (iii) Unit should have traffic and alarm counter. The equipment should work in bidirectional mode.	To be physically checked by the BOO with reference to parameters (i) to (iii).	Result expected as per QRs para 10 (i) to (iii).
11	Other features :- (i) High discrimination between small masses and personal metallic objects. (ii) Automatic synchronization for DFMDs located close to each other up to a distance of one feet side by side.	To be physically checked by the BOO with reference to parameters (i) to (iii).	Result expected as per QRs para 11 (i) to (ii).
12	Static Metal Compensation:- DFMD installed closed to fixed sheet or pieces of metal, which form part of the building or its fittings. The DFMD should compensate for the presence of such metal and its performance should not be degraded by the presence of metal as stated above.	To be checked by the BOO.	Result expected as per QRs para 12.

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13	<p>Health and Safety :-</p> <p>(i) Magnetic field should be harmless to magnetic media, electronic devices and should be film safe, (Supplier shall submit test certificates from national/international accredited lab).</p> <p>(ii) Operation of DFMD shall not be affected by infrared, ultraviolet, electromagnetic or RF radiation. Offered equipment shall comply with CE or equivalent safety/ immunity standard (Supplier shall submit test certificates from national/international accredited lab).</p> <p>(iii) DFMD should be harmless to pacemaker and pregnant woman (Supplier shall submit test certificates from national/international accredited lab as per ICNIRP guidelines).</p>	BOO will obtain a certificate from the supplier as specified at QRs parameters 13 (i) to (iii).	National / International accredited lab certificate must confirm the same as mentioned at QRs Para13 (i) to (iii). In case of doubt, the veracity of the certificate may be verified from the concerned lab.	
14	<p>Interference rejection:-</p> <p>(i) Interference, which is 'mains-borne' or radiated by an external source, should not cause the DFMD to raise the alarm spuriously. It should be possible to use equipment such as radio, portable telephone, walkie-talkie sets X-ray monitors etc. at a distance of one mtr from the archway without causing spurious alarms.</p> <p>(ii) Moving metal beyond one mtr from DFMD should not affect performance of the DFMD. It should be possible to move metallic items like trolleys metallic gate opening/closing one mtr away from the DFMD without the generation of false alarm.</p>	To be physically checked by the BOO as specified at QRs 14 parameters from (i) to (ii).	Result expected as per QRs para 14 (i) & (ii).	
15	<p>Operating Temperature :-</p> <p>DFMD shall work satisfactorily without any deterioration in performance within the temperature range of -20 to +55 °C, RH up to 90% non-condensing.</p>	The firm should submit National/International accredited lab certificate in respect of Operating temperature and RH.	National / International accredited lab certificate must confirm the same. In case of doubt, the veracity of the certificate may be verified from the concerned lab.	

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16	<p>Accessories to provide :- (i) Operating manual for the user. (ii) Standard Test Piece (STP) for testing of equipment to be provided by the supplier with each equipment. Optional (i) Should have a ruggedized Polypropylene shock proof container for safe transportation of product compliant to IP-65 and Latest Mil Std. (As per requirement of the Indentor/ user).</p>	To be physically checked by the BOO.	BOO should physically check.	
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 (B. C JASHI) DIG, BSF, JCO

N. Washit
 19.09.2014
 SFO (T)

A. K. Jais
 SSO (E), BPR &

A. K. Shukla
 (A. K. SHUKLA A.C. CRIF)

Maj R S S. Singh
 TC, BD UNIT, NSS

Rajesh Kumar
 AC ITRP

M. S. Upadhyay
 D/C CRIF.

Rajesh Singh
 Dy DM BSLW

INSO Tech Prateek Sharma
 SSO BSF

APPROVED / NOT APPROVED

(D K PATHAK) IPS
 DIRECTOR GENERAL
 BORDER SECURITY FORCE

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DIRECTOR GENERAL BORDER SECURITY FORCE
(PROVISIONING DIRECTORATE (ORD SECTION))

The Sub-group of Technical Experts on Surveillance Equipments constituted by MHA vide their letter No. IV-24011/12/2011-Prov-I dated 13 Jun 2012, No. IV-24011/12/2011-Prov-I dated 28 Dec 2012 & UO No. IV-24011/12/2011-Prov-I-350 dated 27 Jun 2013 held its meeting at BSF Headquarters on 26 Feb 2014, 19th June 2014, 14th Aug 2014 & 19 Sep 2014 to finalized/ revised Qualitative Requirement of 'Multi Zone Door Frame Metal Detector'.

After detailed deliberations the referred Sub-group has finalized the revised QRs of 'Multi Zone Door Frame Metal Detector' which are as under:-

REVISED QUALITATIVE REQUIREMENTS FOR MULTI ZONE DOOR FRAME METAL DETECTOR

S/No	Revised QRs of MZDFMD
1	<u>Detection</u> : (i) The system should be capable of detecting ferrous, non-ferrous and alloy metals concealed on ⁱⁿ the body of a person when passed through the archway. (ii) Uniform detection from top to bottom is required. (iii) Should be able to detect multiple metal objects of various weight, size and shape in all the zones simultaneously from head to toe.
2	<u>Passage Dimension</u> :- Height - Min 200 cm Breadth - Min 72 cm Width - Min 57 cm
3	<u>Speed of Passage</u> :- Performance of the DFMD should be independent of the speed of person passing through. This is particularly important as a person's foot may swing through the archway without touching the ground, or may come to rest on the ground between the archway pillars.
4	<u>Weight</u> :- 80 Kg maximum
5	<u>Power supply</u> :- 100 - 260 VAC, 50 -60Hz, 12-24 VDC, should be provided with internal battery back up for 6 hours minimum in operational condition.
6	<u>Alarm indication</u> :- (i) There should be Acoustic and Optical alarm with alphanumeric display, height on person bar display (Metal locator) and low battery indication. (ii) There should be a provision for suitable setting for adjustment of volume of the audible alarm to over come the ambient noise present in the vicinity.
7	<u>Sensitivity</u> :- DFMD should have multi-zone capability with uniform sensitivity in all zones.

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Revised QRs of MZDFMD	
8	Zones:- Not less than eight real horizontal detection zones, covering full height of the equipment
9	Calibration:- DFMD shall have inbuilt feature of both manual and automatic calibration.
10	Security:- (i) There should be a provision to secure the access to the control unit by a password protected alpha numeric keypad. (ii) DFMD should reset itself within 3 Sec after alarm condition. (iii) Unit should have traffic and alarm counter. The equipment should work in bidirectional mode.
11	Other features :- (i) High discrimination between small masses and personal metallic objects. (ii) Automatic synchronization for DFMDs located close to each other up to a distance of one feet side by side.
12	Static Metal Compensation:- DFMD installed closed to fixed sheet or pieces of metal, which form part of the building or its fittings. The DFMD should compensate for the presence of such metal and its performance should not be degraded by the presence of metal as stated above.
13	Health and Safety :- (i) Magnetic field should be harmless to magnetic media, electronic devices and should be film safe, (Supplier shall submit test certificates from national/international accredited lab). (ii) Operation of DFMD shall not be affected by infrared, ultraviolet, electromagnetic or RF radiation. Offered equipment shall comply with CE or equivalent safety/ immunity standard (Supplier shall submit test certificates from national/international accredited lab). (iii) DFMD should be harmless to pacemaker and pregnant woman (Supplier shall submit test certificates from national/international accredited lab as per ICNIRP guidelines).
14	Interference rejection:- (i) Interference, which is 'mains-borne' or radiated by an external source, should not cause the DFMD to raise the alarm spuriously. It should be possible to use equipment such as radio, portable telephone, walkie-talkie sets, X-ray monitors etc. at a distance of one mtr from the archway without causing spurious alarms. (ii) Moving metal beyond one mtr from DFMD should not affect performance of the DFMD. It should be possible to move metallic items like trolleys, metallic gate opening /closing one mtr away from the DFMD without the generation of false alarm.
15	Operating Temperature :- DFMD shall work satisfactorily without any deterioration in performance within the temperature range of -20 to +55 °C , RH up to 90% non condensing.

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M. Mathub
19.09.2014

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S/No	Revised QRs of MZDFMD
16	<p>Accessories to provide :-</p> <p>(i) Operating manual for the user.</p> <p>(ii) Standard Test Piece (STP) for testing of equipment to be provided by the supplier with each equipment.</p> <p>Optional</p> <p>(i) Should have a ruggedized Polypropylene shock proof container for safe transportation of product compliant to IP-65 and Latest Mil Std. (As per requirement of the Indentor/ user).</p>

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 (B. C JOSHI) DIG. BSF
 S/W

N. Vashisth
 N. Vashisth, SFOCT

(A K Sharma) Accnt

Alhijil
 BPR 2-D.

Prakash
 Rajesh Kumar
 S/W BSF

M. S. UPADHYAY
 D/C CRPF

Maj RS Singh
 TC, RD UNIT, BSF

INSPIIT Pradeep Sharma
 S/W BSF

Rajesh Singh
 D/O BSF

APPROVED / NOT APPROVED

(D K PATHAK) IPS
 DIRECTOR GENERAL
 BORDER SECURITY FORCE

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F. no. IV-17018/3/2007-Prov.I
Bharat Sarkar/Government of India
Griha Mantralaya/Ministry of Home Affairs
PM Division/Prov. I Desk

26, Man Singh Road, Jaisalmer House
New Delhi, Dated: August, 2012

To, *-S/12*
DsG : AR (through LOAR), *S/12* BSG, CISF, CRPF, ITBP, *S/12* NSG, SSB & BPR&D *S/12* *21st* *20109*
(17109)

Subject : Technical Specifications/QRs for HHMD.

The Technical Specifications/QRs for Hand Held Metal Detector (HHMD) as per Annexure has been accepted by the Competent Authority in MHA.

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

3. The trial directive for Hand Held Metal Detector (HHMD) will be circulated later after these are prepared by NSG and approved by the competent authority in MHA.

(S. B. Nanda)

Under Secretary to the Govt. of India
Tel : 23381278

ofc

Copy forwarded for necessary action : -

- (i) NSG is requested to formulate the trial directives for Hand Held Metal Detector (HHMD) keeping in view the instructions issued by MHA on 13.06.2012 and forward the same to the Ministry for approval at the earliest.
- (ii) Director, .NIC, MHA with the request to host the revised QRs (soft copy attached) of Hand Held Metal Detector (HHMD) on the MHA website (under the page of Organisational Set up-Police Modernisation Division- Qualitative Requirements) by replacing the existing QRs.

Rohit

(Ritesh Kumar)
Section Officer (Prov.II)

*9 received
P. B. No -
dt 22/8/12
9 received with Encl
P. B. No -
dt 06/9/12*

Copy to : Director (Procurement), MHA.
Copy for information to : PS to JS (PM)

No. IV-17018/03/2007-Prov-I 156
 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 28th January, 2015.

To,

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

Subject : Revised QRs and Trial Directives for Under Vehicle Search Trolley Mirror.

The QRs and Trial Directives in respect of Under Vehicle Search Trolley Mirror as per the Annex-I and Annex-II respectively have been accepted by the Competent Authority in MHA.

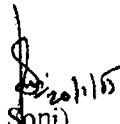
2. Henceforth, all the CAPFs should procure the above item required by them strictly as per revised laid down Technical Specifications/QRs.
3. Concerned CAPF will be accountable for correctness of the QRs/Trial Directives.
4. MHA letter of even number dated 24-01-2008 is rescinded.

Yours faithfully,


 (M. K. Chahar)
 Under Secretary (Prov-I)

Encl.: As above.

Copy to SO(IT), MHA : with the request to host the revised QRs and Trial Directives of Under Vehicle Search Trolley Mirror on the MHA website (under the page of Organizational Set up-Police Modernization Division-Qualitative Requirements-Specifications-Equipment), and remove earlier QRs from website at page mha1.nic.in/QRs/Equipment.html, soft copy being sent through email.


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

Copy to : DDG(Procurement), MHA.

Annexure-I to U.O. No. IV-17018/02/07-PranI dt 20.01.15

REVISED QRs OF UNDER VEHICLE SEARCH TROLLEY MIRROR

Ser No	QR/Technical Specifications	Description
1.	Mirror size	2 feet x 1 feet minimum (a) Convex (b) High quality rectangular acrylic mirror or polycarbonate Mirror (scratch resistant and unbreakable) (c) Mirror to have a protection cover when not in use
2.	Arm	(a) Minimum 3 feet in length (extendable upto a maximum of 4 feet). (b) Made up of rust and corrosion proof metal.
3.	Weight	Maximum 4 kg
4.	Lighting arrangement	LEDs should be embedded all around the mirror so that the illumination of the LEDs could illuminate the area effectively upto 2 feet distance so that all types of cavities underneath the vehicle may be visible. 12V rechargeable NiCd battery to be provided.
5.	Special features	The equipment should be able to move underneath all types of vehicles (high floor and low floor) and it should provide clear view of the base of the vehicle from different sides. Maximum height of the equipment should be 5 inches. Wheel should be made of ruggedized hard plastic.
6.	<u>Miscellaneous.</u>	

The firm should be able to provide the following, as applicable, along with the equipment:-

- (a) Sty charger
- (b) Additional battery to be provided (operational for minimum 12 hrs)
- (c) Cleaning kit
- (d) User's Hand Book (Bilingual)

<p><u>DC</u> (Nay Niranjan, GA, CCS/PHNT)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p>	<p><u>...</u> (...)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p>	<p><u>...</u> (...)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p>	<p><u>...</u> (...)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p> <p><u>...</u> (...)</p>
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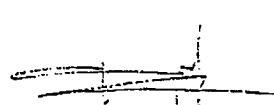


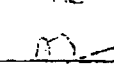
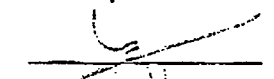

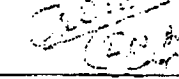
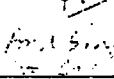
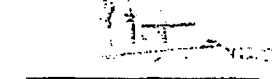

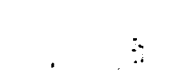


APPROVED / NOT APPROVED

J N Choudhary
DG, NSG

Annexure II to V.O. No. IV-17015/03/07-Provd dated 20.01.2015

TRIAL DIRECTIVES OF UNDER VEHICLE SEARCH TROLLEY MIRROR

<u>Sr No</u>	<u>QR/Technical Specifications of</u>	<u>Description</u>	<u>Trials Methodology</u>
1.	Mirror size	2 feet x 1 feet minimum.	To be physically checked by the BOO
		(a) Convex	To be physically checked by the BOO
		(b) High quality rectangular acrylic mirror or polycarbonate Mirror (scratch resistant and unbreakable)	Certificate from an accredited National / International Lab will be submitted by the vendor. The BOO to physically check the same.
		(c) Mirror to have a protection cover when not in use	To be physically checked by the BOO.
2	Arm	(a) Minimum 3 feet in length extendable upto a maximum of 4 feet).	To be physically checked by the BOO. Certificate from an accredited National / International Lab will be submitted by the vendor The BOO to physically check the same
		(b) Made up of rust and corrosion proof metal	
3	Weight	Maximum 4 kg	To be physically checked by the BOO.
4	Lighting arrangement	LEDs should be embedded all around the mirror so that the illumination of the LEDs could illuminate the area effectively upto 2 feet distance so that all types of cavities underneath the vehicle may be visible. 12V rechargeable NiCd battery to be provided	To be physically checked by the BOO. Certificate from an accredited National / International Lab will be submitted by the vendor The BOO to physically check the same

 <u>Mr. Niranjan C.K.</u> (Mr. Niranjan C.K., 201224)	 <u>Mr. K. Ramesh</u> (Mr. K. Ramesh, SI 734)	 <u>Mr. S. Srinivas</u> (Mr. S. Srinivas, SI 130)	 <u>Mr. M. K. Prasad</u> (Mr. M. K. Prasad, SI 130)
 <u>Mr. S. Srinivas</u> (Mr. S. Srinivas, SI 130)	 <u>Mr. K. Ramesh</u> (Mr. K. Ramesh, SI 734)	 <u>Mr. S. Srinivas</u> (Mr. S. Srinivas, SI 130)	 <u>Mr. M. K. Prasad</u> (Mr. M. K. Prasad, SI 130)
 <u>Mr. S. Srinivas</u> (Mr. S. Srinivas, SI 130)	 <u>Mr. K. Ramesh</u> (Mr. K. Ramesh, SI 734)	 <u>Mr. S. Srinivas</u> (Mr. S. Srinivas, SI 130)	 <u>Mr. M. K. Prasad</u> (Mr. M. K. Prasad, SI 130)
 <u>Mr. S. Srinivas</u> (Mr. S. Srinivas, SI 130)	 <u>Mr. K. Ramesh</u> (Mr. K. Ramesh, SI 734)	 <u>Mr. S. Srinivas</u> (Mr. S. Srinivas, SI 130)	 <u>Mr. M. K. Prasad</u> (Mr. M. K. Prasad, SI 130)


TRIAL DIRECTIVES OF UNDER VEHICLE SEARCH TROLLEY MIRROR (Contd...)

Ser No	QR/Technical Specifications of	Description	Trials Methodology
5	Special features	The equipment should be able to move underneath all types of vehicles (high floor and low floor) and it should provide clear view of the base of the vehicle from different sides. Maximum height of the equipment should be 5 inches. Wheel should be made of ruggedized hard plastic.	To be physically checked by the BOO. Certificate from an accredited National / International Lab will be submitted by the vendor. The BOO to physically check the same.
6	Miscellaneous. The firm should be able to provide the following, as applicable, along with the equipment :- (a) Bty charger (b) Additional battery to be provided (operational for minimum 12 hrs) (c) Cleaning kit. (d) User's Hand Book (Bilingual).		To be physically checked by the BOO.

<u>(Name)</u> (Mangaljit Singh, IAS) (Anil Kumar Singh) SC, TNS	<u>(Signature)</u>	<u>(Signature)</u>	<u>(Signature)</u>
<u>(Name)</u> S. S. Singh, IAS	<u>(Signature)</u>	<u>(Signature)</u> A2	<u>(Signature)</u> Capt. Mittal, ITCIFOS NSG
<u>(Name)</u> M. S. Singh, IAS	<u>(Signature)</u> (Anil Kumar Singh) SC, TNS	<u>(Signature)</u> Anil Singh, IAS	<u>(Signature)</u> Y. S. Singh, IAS
<u>(Name)</u> Maj. Smit, Secy. Secy. SC (Ord), HQ NSG	<u>(Signature)</u> D. N. Singh, IAS		

✓
APPROVED / NOT APPROVED

(J N Choudhury)
DG. NSG

- 
- » It should be light weight portable with shoulder pad and proper gripped handle.
 - » It should have anti fog treatment.
 - » It should have scratch proof glass and shock resistance.
 - » It should be rust proof/water proof.
 - » Battery backup of 4 to 6 hours & in built charging facility working on 90 to 270 volts.
 - » Its focus should be single/fixed.
 - » It should be deep parabolic high reflectivity mirror back reflector with high glow 5watt power led built.
 - » It should be inbuilt 3 way mode dimmer for high/medium/low beam option.
 - » It should be high intensity precision spot beam operating range upto 1000m.