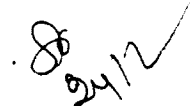


**बिहार पुलिस मुख्यालय, पटना**  
**निविदा आमंत्रण सूचना सं०-३९/१३-१४**

1. विभाग का नाम- पुलिस महानिदेशक का कार्यालय, बिहार, पटना ।
2. विज्ञापनदाता का पदनाम एवं पता- पुलिस महानिरीक्षक के सहायक (क्यू०), बिहार, पटना ।
3. निविदा प्राप्ति की तिथि एवं समय- दिनांक-१२/३/२०१४, १४.०० बजे तक ।
4. निविदा खोलने की तिथि एवं समय- दिनांक-१२/३/२०१४, १६.०० बजे ।
5. निविदा प्राप्ति का स्थान- पुलिस महानिदेशक का कार्यालय, बिहार, पटना के कार्यालय भवन के मुख्य द्वार पर रखी निविदा पेटी।
6. कार्य का ब्यौरा-

S.N.	Item name	Specification	Qty
1	2	3	4
1	Door Buster (Without Remote)	Specification may be obtained from this office. or on website <a href="http://www.biharpolice.bih.nic.in">www.biharpolice.bih.nic.in</a>	44

निविदा के नियमों, शर्तों की जानकारी के लिए अधोहस्ताक्षरी के कार्यालय में, पुलिस महानिरीक्षक के सहायक (क्यू०) बिहार, पटना के दूरभाष सं०-०६१२-२२१५२९५ पर सम्पर्क किया जा सकता है, कार्यालय के सूचना पट तथा वेबसाइट [www.prdbihar.org](http://www.prdbihar.org) or [www.biharpolice.bih.nic.in](http://www.biharpolice.bih.nic.in) पर देखा जा सकता है ।

  
पुलिस महानिरीक्षक के सहायक (क्यू०),  
बिहार, पटना ।

TERMS & CONDITIONS OF RE-TENDER NO.30 /2013-14

- 1-Tender of the firms situated inside /out side the State will be accepted with the condition that if their tenders are approved, the firm shall get itself registered with Commercial Tax Department, Bihar before the purchase order is issued.
- 2-The tender should be submitted in two parts, (1) Technical bid and (2) Financial bid duly sealed in two separate envelopes super scribed as technical bid and financial bid. The rates shall be quoted in the Financial bid. All charges like BST/CST/Service Tax /VAT etc. shall be clearly mentioned but net rate (in figures and words) including all taxes and duties shall be quoted. Vague offers like indicating taxes "as applicable" will be summarily rejected. There shall be no cutting, over writing or correction on the rates. All relevant papers/certificates/specifications etc. of items should be enclosed in technical bid.
- 3-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 be summarily rejected. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
- 4-The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked "Re-Tender No. **30**/2013-14" (Technical Bid) and marked "Re-Tender No. -**30**/13-14" (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 an another sealed envelope which should be marked as marked " Re-Tender No.**30**/2013-14". This envelope should not bear the name and address of the firm.
- 5-Up-to-date Income Tax returns (Saral) and a photocopy of PAN of the participating firm should be submitted with the technical bid. I.T. return should have stamp and signature of the concerned department, whether filed manually or electronically.
- 6-The turn over of the firm for the 2012-13 financial year should be at least double the amount of the supply order which is being issued. A copy of the profit and loss a/c of the firm for the 2012-13 financial year certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorized dealer and authorized supplier of manufacturing firm, then the certified details of the turnover of authorizing firm will be accepted.
- 7- If there is some discount in the price of any item, it should be deducted from price itself and should not be quoted separately.
- 8-If the product is on DGS & D rate contract then a copy of the contract be attached and pricing be done with all taxes including Bihar Sales Tax.
- 9-A copy of test report for the product issued by a competent authority with in last one year should be attached with the technical bid. In case of BP items test report of TBRL will only be accepted.
- 10-All items will be received at Central Clothing Store, Patna, therefore price should be quoted for Central Clothing Store, Phulwarisharif, Patna.
- 11-Firms will have to deposit a sum of rupees 25000/- (Twenty five thousand) only as an earnest money in the form of postal saving passbook / NSC/Bank draft duly pledged in favour of the undersigned along with the quotations.
- 12-Technical bids will be opened on **27/07/2013** at 16.00 PM in the office chamber of the undersigned. Representatives of the tenderers may remain present at the time of opening of the technical bid.
- 13-The technical bid will be opened first and if it is found as per tender conditions, it will be put before Central Purchase Committee. The firm may have to participate in discussions with this committee and / or be required to demonstrate the quoted product. Any paper / document will not be accepted after opening the tender.
- 14-Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the stores as security money in the form of Postal Saving Pass Book/NSC/Bank Guarantee duly pledged in favor of undersigned.
- 15-The firm will be required to provide satisfactory after sale service.
- 16-The firm will be required to supply all the items within 90 days from the date of placing order.
- 17-Payment for the delivered items will be made after receiving OK report from the Inspection Committee.
- 18-The firm whose quotation is approved shall be issued A/T. Purchase order shall be issued only after the firm enters into an agreement with the undersigned. Terms & Conditions of the agreement shall be intimated in the A/T.
- 19-Only such manufactures/authorized dealers and authorized suppliers of manufacturing firm who fulfills the above conditions should quote for supply of items.
- 20-Updated Technology at the time of supply change in condition.
- 21-Hands on Training of the user group by the firm shall be ensured.
- 22-D.G. of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully without assigning any reason thereof.
- 23-The Quantity indicated may increase or decrease at the time of issuing purchase order.

(141)

No.IV-17017/13/06-Prov.I  
Ministry of Home Affairs  
Prov.I

-0-

New Delhi the 7<sup>th</sup> August, 2006

To

The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSI/BPR&D.

**Subject: Finalization of QRs/Specifications for  
Weaponary/security Equipments**

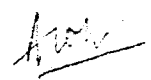
The Sub-Group constituted by MHA vide Memorandum No. IV-17017/13/06-Prov.I dated 5-7-2006 for laying down (QRs) specifications of various items equipments has since submitted its recommendations in respect of following weaponary security equipments:

- (i) Light Support Weapon
- (ii) Sniper Rifle Bolt Action
- (iii) Sniper Rifle Semi Auto
- (iv) Optical Fiber Scope -
- (v) Bomb Inhibitor
- (vi) Door Buster
- (vii) Bullet Proof Mobile Morcha (Small/Large)
- (viii) Location for Miss and Hit Target System (LOMAH)
- (ix) Forward Observer Simulator
- (x) 81mm Mortar Simulator

2. These recommendations have been accepted by MHA. The QRs finalized by the Sub-Group and accepted by MHA in respect of the above equipments are enclosed herewith.

3. Henceforth, all the CPMFs should procure the above items required by them to meet their operational needs strictly as per the laid down QRs/specifications.

Yours faithfully,

  
(Alok Mukhopadhyay)  
Under Secretary (Prov.I)  
Tele. No. 23381278

Copy to: DD(Procurement), MHA

Copy for information to

1. PS to JS(PM), MHA
2. Dir(Prov), MHA

## DRAFT REVISED QRs FOR DOOR BUSTER

### Introduction

1. Door breaching is a process used by military, police, or emergency services to force open closed and/or locked doors.

### General

2. Door buster consists of following.
- (a) **Hydraulic tools**– Door buster hydraulic & Hydraulic power unit.
  - (b) **Manual tools** – Door Ram. multi entry tools with three attachments and sledge hammer.
  - (c) Breaching gloves.

### Hydraulic Tools

3. **Door Buster (Hydraulic)**

(a) **Specification of Door Buster.**

- (i) Push Force - The device should have the push force of 70 KN (OEM certificate required to be attached confirming the same).
- (ii) Door Buster Dimensions - (Default mode) Min 1200X100mm.
- (iii) Upper arm length - (Default mode) Min - 850mm and Max - 950mm.
- (iv) Door Buster Weight - Max 26 Kg.
- (v) Colour - Black.
- (vi) Extensions - Min 140mm and Max 160mm.
- (vii) Extension weight - Max 2 kg.
- (viii) Additional bearing plates for soft ground operation size - Min 270X270X7mm  
Max 330X330X9mm
- (ix) Additional Bearing plate weight - 7 kg max
- (x) Packing - The device should come in a pelicase, transport case
- (xi) Packing case dimensions - Min - 1300X375X140mm.  
Max - 1400X450X200mm.

(b) **Description**

- (i) The Door-Buster should open inward-opening, single or multi-lock doors.
- (ii) The Door Buster should have two arms (upper and lower) and should be foldable.
- (iii) Should be able to be used by one / two person team.
- (iv) Should have an option of 1(one) jack extension for optimal height adjustments.
- (v) The upper arm should be equipped with a manually removable adapter plate and the length of Upper Arm should be adjustable
- (vi) An accessory adaptable at the top of the upper support should allow the DOOR-Buster to open pushing doors without frame.
- (vii) The device must also work on a wired (two separates remotes, one hand operated and second foot operated) and wireless remote control to give the safe distance for the operator in case of any eventuality. For normal operation the device should be operated through a dead-man hydroelectric handle located directly on the DOOR-Buster.
- (viii) The Buster should work on the electro hydraulic power source which may also be carried on the back pack.
- (ix) The Buster should be placed vertically so that it should not block the passage after breaching the door.
- (x) The Buster should be equipped with fast antipollution hydraulic coupling.
- (xi) Should have a single hose operation meaning hydraulics and electronics in one sole connection.

4. **Hydraulic Power unit**(a) **Specification of Hydraulic power unit.**

(i)	Power Supply	-	Should come with removable 12 volt battery.
(ii)	Wired and wireless remote	-	Should come with a wired and wireless with minimum operating distance of 5 meters.
(iii)	Hydraulic power unit dimension	-	Max 600 x 275 x 300 mm.
(iv)	Weight	-	Max 22 Kg.

- (v) Colour - Black.
- (vi) Hydraulic Hose (Default) - Should come with a length of 1500mm.
- (vii) Additional hose - Should have additional 5 meters hose.
- (viii) Additional hose weight - Max 6 Kg.
- (ix) Battery charger - Should come with a compatible AC main charger.
- (x) External battery charger - To charge the extra battery externally. (One extra battery to be provided).
- (xi) DC to AC converter - Additional facility to charge the battery.

(b) **Description.**

- (i) The device should be portable and easy to wear.
- (ii) The back pack should be a single acting hydraulic power unit which should be portable and fed by a 100 % sealed 12v battery. The power unit should be covered by a protective casing.
- (iii) The hydraulic power unit must be equipped with a safety system "Dead Man Switch" which means that, as soon as the operator removes his hand from the handle of the Door Buster, then instantly the Hydraulic power unit ceases to function.
- (iv) The hydraulic power unit should be equipped with fast antipollution hydraulic coupling.
- (v) The hydraulic power unit design should enable quick manual replacement of battery.
- (vi) The hydraulic power unit should be equipped with a digital indicator for battery charge. A warning light signal for weak battery.
- (vii) The hydraulic power unit will only activate if the dead man switch is activated, or else the hydraulic power unit should go in sleep mode to save power and remain silent while assembling.

## Manual Tools

### 5. (a) Specification of Door Ram (Manual Tool).

- (i) No of operators - 1 person.
- (ii) Impact Area Ø - Min – 90mm  
Max – 110 mm.
- (iii) Handles - 2 Solid handles.
- (iv) Material - Black painted steel.
- (v) Length - Min – 520 mm  
Max – 570 mm
- (vi) Weight - Max 15 Kg

(b) Multi entry tool (manual tool). Multi entry should come with a three different types of heads, should be easily and rapidly removable depending on the required situation.

#### (i) Leaver.

- (aa) Dimension - Min – 580 x 40mm  
Max – 600 x 50mm.
- (ab) Weight - Max 1.6 kg.
- (ac) Colour - Black.

(ii) Attachment 1. Smooth bevelled head with a penetration point to spread panels, open light weight doors, break bolt locks etc.

- (aa) Dimension - Min – 90 x 160 x 140mm  
Max – 110 x 190 x 170mm.
- (ab) Weight - Max 1.6 kg.
- (ac) Colour - Black.

(iii) Attachment 2 Standard open head for breaking padlocks, opening light weight doors, levering metal shutters etc.

- (aa) Dimension - Min – 230 x 65 x 27mm  
Max – 240 x 72 x 32mm.
- (ab) Weight - Max 1.3 kg.
- (ac) Colour - Black.

(iv) **Attachment 3.** Cutting head to cut a passage through corrugated iron in industrial buildings or automobile, train or air craft body panels, etc.

- (aa) Dimension - Min – 230 x 68 x 27mm  
Max – 240 x 78 x 35mm.
- (ab) Weight - Max 1.3 kg.
- (ac) Colour - Black.

(c) **Sledge Hammer.**

- (i) Sledge hammer should be made of solid steel.
- (ii) Handle - non conducting coating.
- (iii) Total length - Min 850mm.  
Max 900m.
- (iv) Weight - Max 7.5 Kg.
- (v) Colour - Black.

6. **Breaching Gloves.**

- (a) The gloves are composed of hydrophobic leather, Kevlar and have an X static lining.
- (b) Colour - Black.

**Miscellaneous**

7. Firm should give warranty period and fault liabilities for 3 years, contractual maintenance with adequate spare and organize training for complete familiarization/ drills for operation and repairs.



## DRAFT TRIAL DIRECTIVES FOR DOOR BUSTERS

### Introduction

1. Door breaching is a process used by military, police, or emergency services to force open closed and/or locked doors.

### General

2. Door buster consists of following.

- (a) Hydraulic tools– Door buster hydraulic & Hydraulic power unit.
- (b) Manual tools – Door Ram, multi entry tools with three attachments and sledge hammer
- (c) Breaching gloves.

### Hydraulic Tools

3. Door Buster (Hydraulic)

(a)	<u>Specification of Door Buster</u>	<u>Trial Directive</u>
	(i) Push force	The device should have the push force of min 70 KN
	(ii) Door Buster dimensions	(Default mode) Min 1200X100mm
	(iii) Upper arm length	(Default mode) Min 850mm Max 950mm
	(iv) Door buster weight	Max 26 Kg
	(v) Colour	Black
	(vi) Extensions	Min 140mm & Max 160mm
	(vii) Extension weight	Max 2 kg
	(viii) Additional bearing plates for soft ground operation size	Min 270X270X7mm Max 330X330X9mm
	(ix) Additional bearing plate weight	7 kg max
	(x) Packing	The device should come in a pelicase, transport case
	(xi) Packing case dimensions	Min 1300x375x140mm Max 1400x450x200mm

(b)	<u>Description</u>	<u>Trial Directive</u>
	(i) The DOOR-Buster should open inward-opening, single or multi-lock doors.	To be checked physically by breaching the single and multi lock door on Tactical door.
	(ii) The Door Buster should have two arms (upper and lower) and should be foldable.	To be checked physically by folding upper and lower arm.
	(iii) Should be able to be used by one / two person team.	To be checked physically by operating the Door Buster by one and two persons.
	(iv) Should have an option of 1(one) jack extension for optimal height adjustments	To be checked physically by installing the jack extension to the door buster.
	(v) The upper arm should be equipped with a manually removable adapter plate and the length of Upper Arm should be adjustable.	To be checked physically by removing the adapter plate The upper arm length adjustment to be checked physically.
	(vi) An accessory adaptable at the top of the upper support should allow the DOOR-Buster to open pushing doors without frame.	To be checked physically by replacing the adapter plate.
	(vii) The device must also work on a wired (two separates remotes, one hand operated and second foot operated) and wireless remote control to give the safe distance for the operator in case of any eventuality. For normal operation the device should be operated through a dead-man switch hydroelectric handle located directly on the DOOR-Buster.	<ul style="list-style-type: none"> <li>• To be checked physically by operating the door buster from a distance of five(05) meters by all remotes.</li> <li>• For normal operation to be checked physically by operating the dead man switch located on hydroelectric handle of door buster.</li> </ul>
	(viii) The Buster should work on the electro hydraulic power source which may also be carried on the back pack.	The power source on the backpack will be put on back of the soldier and electro hydraulic power source to be checked physically.
	(ix) The Buster should be placed vertically so that it should not block the passage after breaching the door.	The door should be breached by placing the door buster vertically, to be checked by placing the breaching tool against the door to be breached.
	(x) The Buster should be equipped with fast antipollution hydraulic coupling.	There should be minimal oil leakage when coupling and uncoupling of the hose is done quickly.
	(xi) Should have a single hose operation meaning hydraulics and electronics in one sole connection.	To be checked physically, the device should have single hose having both hydraulic and electric housed in sole connection.

4. Hydraulic Power Unit

(a)	<u>Specification of Hydraulic power unit</u>	<u>Trial Directive</u>	
	(i) Power supply	Should come with removable 12 volt battery	To be checked manually using volt meter and voltage should be marked on the battery
	(ii) Wired & wireless remote	Should come with a wired and wireless remote with minimum operating distance of 5 meters	To be checked physically by marking the distance of 5 meter on the ground and operate the door buster via all remote.
	(iii) Hydraulic power unit dimension	Max 600X275X300mm	To check physically by measuring the dimension by measuring tape
	(iv) Weight	Max 22 Kg	To be checked physically using weight machine
	(v) Colour	Black	To be checked manually
	(vi) Hydraulic Hose (Default)	Should come with a length of 1500mm (min)	To checked physically by measuring with a measuring tape.
	(vii) Additional hose	Should have additional 5 meter hose	To be checked physically by measuring using measuring tape
	(viii) Additional hose weight	Max 6 Kg	To be checked physically by using weight machine
	(ix) Battery charger	Should come with a compatible AC main charger	To be checked physically by connecting the battery charger with hydraulic power pack and charge the internal battery.
	(x) External battery charger	To charge the extra battery externally (one extra battery to be provided).	To be checked physically by connecting the external battery charger and charge the external battery
	(xi) DC to AC converter	Additional facility to charge the battery	To be checked physically by connecting to DC source (truck battery) to 220 V output and then connecting the battery charger to charge the battery.
(b)	<u>Description</u>		
	(i) The device should be portable and easy to wear.		To be checked physically by the board of officer.
	(ii) The back pack should be a single acting hydraulic power unit which should be portable and fed by a 100 % sealed 12V bty. The power unit should be covered by a protective casing.		To be checked physically the battery voltage is clearly marked on the battery and also checked using volt meter. The protective casing to be checked visually

<u>Description</u>	<u>Trial Directive</u>
(iii) The hydraulic power unit must be equipped with a safety system "Dead Man Switch" which means that, as soon as the operator removes his hand from the handle of the Door Buster, then instantly the Hydraulic power unit ceases to function.	To be checked physically as soon as the operator remove his hand from the door buster "dead man switch" the hydraulic power should unit stop operation
(iv) The hydraulic power unit should be equipped with fast antipollution hydraulic coupling.	To be checked physically by coupling and un-coupling the hose quickly with no oil leakage.
(v) The hydraulic power unit design should enable quick manual replacement of battery.	To be checked physically by removing the battery from the battery compartment and replacing with a new battery
(vi) The hydraulic power unit should be equipped with a digital indicator for battery charge. A warning light signal for weak battery.	To be checked manually the digital indicator showing the status of battery and weak battery, warning light.
(vii) The hydraulic power unit will only activate if the dead man switch is activated, or else the hydraulic power unit should go in sleep mode to save power and remain silent while assembling.	To be check physically by the board of officers by switching on hydraulic power pack the equipment should not make any noise.

#### 5. Manual Tools

(a)	<u>Specification of Door Ram (Manual Tool).</u>	<u>Trial Directive</u>
(i)	No of operators 1 person	To be checked physically. The ram to be carried and operated by single person.
(ii)	Impact Area Ø Min 90mm Max 110mm	To be checked physically to by measuring the diameter of the door ram.
(iii)	Handles 2 solid handles	To be checked manually.
(iv)	Material Black painted steel	To be checked manually.
(v)	Length Min 520mm Max 570mm	To be checked physically by measuring with measuring tape.
(vi)	Weight Max 15 kg	To be checked physically with weight machine.
(b)	<u>Multi Entry Tool (Manual Tool).</u>	<u>Trial Directive</u>
	Multi entry should come with a three different types of heads, should be easily and rapidly removable depending on the required situation.	
	<u>Multi Entry Tool (Manual Tool)</u>	<u>Trial Directive</u>
(i)	<u>Leaver</u>	
	(aa) Dimension Min 580X40mm Max 600X50mm	To be checked physically by measuring tape.
	(ab) Weight Max 1.6 Kg	To be checked physically with weight machine.
	(ac) Colour Black	To be checked physically.

<b>Multi Entry Tool (Manual Tool)</b>		<b>Trial Directive</b>
(ii) <b>Attachment 1.</b> Smooth beveled head with a penetration point to spread panels, open light weight doors, break bolt locks etc.		OEM certificate required to be attached confirming the same.
(aa) Dimension	Min 90X160X140mm Max 110X190X170mm	To be checked physically measuring all dimension with measuring tape.
(ab) Weight	Max 1.6 Kg	To be checked physically with weight machine.
(ac) Colour	Black	To be checked manually.
(iii) <b>Attachment 2.</b> Standard open head for breaking padlocks, opening light weight doors, levering metal shutters etc.		OEM certificate required to be attached confirming the same.
(aa) Dimension	Min 230X65X27mm Max 240X72X32mm	To be checked physically measuring all dimension with measuring tape.
(ab) Weight	Max 1.3 Kg	To be checked physically with weight machine
(ac) Colour	Black	To be checked manually
(iv) <b>Attachment 3.</b> Cutting head to cut a passage through corrugated iron in industrial buildings or automobile, train or air craft body panels, etc.		OEM certificate required to be attached confirming the same.
(aa) Dimension	Min 230X68X27mm Max 240X78X35mm	To be checked physically measuring all dimension with measuring tape.
(ab) Weight	Max 1.3 Kg	To be checked physically with weight machine
(ac) Colour	Black	To be checked manually

#### 6. **Sledge Hammer**

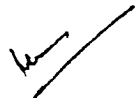
(a)	<b>Specification of Sledge Hammer</b>	<b>Trial Directive</b>
(i)	Sledge hammer should be made of solid steel.	
(ii)	Handle non conducting coating	OEM certificate required to be attached confirming the same
(iii)	Total length Min 850mm Max 900mm	To be checked physically measuring all dimension with measuring tape.
(iv)	Weight max 7.5 Kg	To be checked physically with weight machine
(v)	Colour Black	To be checked manually


#### 7. **Breaching Gloves**

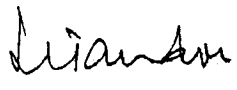
(a)	<b>Specification of Breaching Gloves</b>	<b>Trial Directive</b>
(i)	The gloves are composed of hydrophobic leather and Kevlar.	OEM certificate required to be attached confirming the same.
(ii)	Colour Black	To be checked manually


Miscellaneous.

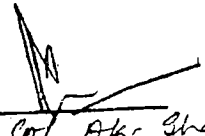
6. Firm should give warranty period and fault liabilities for 3 years, contractual maint with adequate spares and organize training for complete familiarization/drills for operation and repairs.


  
V S S Parmar  
Lt Col


  
S. K. Singh DC(AIA) BSF

  
RAJIV TANDON  
DIG (Prov), HQ NSG


  
SANJAY BANIMAL  
DIS/DPRC

  
Lt Col Akh Sharma  
SU(WE), HQ NSG

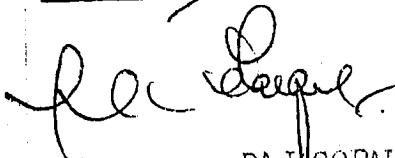
  
Lt Col B S Singh  
SI SAG

  
P S Saini  
HQ NSG

\_\_\_\_\_

  
Ramesh Sharma  
GC (Prov), HQ NSG

Approved/Not Approved

  
( Dr. G S RAJGOPAL )  
DG, NSG