

No. IV-17018/13/2006-Prov-I 448  
भारत सरकार/Government of India  
गृह मंत्रालय/Ministry of Home Affairs  
पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division  
संभरण-I डेस्क /Prov.I Desk

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26, Man Singh Road, Jaisalmer House,  
New Delhi, the 3<sup>rd</sup> March, 2015.

To,

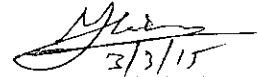
DsG : AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

**Subject : Revised QRs and Trial Directives for Door Buster.**

The QRs and Trial Directives in respect of Door Buster 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 MHA letter of even number dated 07-08-2006 is rescinded.

Yours faithfully,

  
3/3/15  
(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 Door Buster on the MHA website (under the page of Organizational Set up-Police Modernization Division-Qualitative Requirements-Specifications-BDDS Equipment), and remove earlier QRs from website at page mha1.nic.in/QRs/bdds.html, soft copy being sent through email.

  
(R. K. Soni)






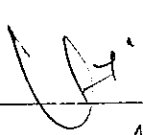
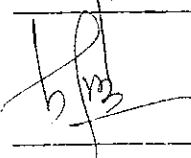

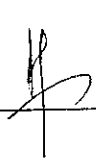


Section Officer (Prov.I)

Copy to : DDG(Procurement), MHA.

QRs OF DOOR BUSTER

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Ser No	QRs Parameters
<b>Introduction</b>	
1.	Door breaching is a process used by military, police, or emergency services to force open closed and/or locked doors.
<b>General</b>	
2.	Door buster consists of following types of tools and accessories :- (a) <b>Hydraulic tools.</b> Door buster hydraulic & Hydraulic power unit. (b) <b>Manual tools.</b> Door Ram, multi entry tools with three attachments and sledge hammer. (c) Breaching gloves. (d) Tactical training door for training on Door Buster. (e) The user will specify the type of tools (with associated accessories) and their numbers (within the total authorization of the equipment) at the time of tendering.
<b>Hydraulic Tools</b>	
3.	<b>Door Buster (Hydraulic)</b> (a) <b>Description.</b> (i) The DOOR-Buster should open inward <b>as well as outward</b> 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 plate and the length of Upper Arm should be adjustable. (vi) An accessory should be made available, to be adaptable at the top of the upper arm to allow the Door Buster to open pushing doors which do not have frames. (vii) The device must have wired remote for hand and foot operation and a hand held wireless remote. (viii) For normal operation the device should be operated through a Dead-man hydroelectric handle located directly on the Door Buster.

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**QRs OF DOOR BUSTER (CONTD.....)**

Ser No	QRs Parameters
	<p>(ix) The Door Buster should work on a electro hydraulic power source which may also be carried on the back pack.</p> <p>(x) The Door Buster should be placed vertically so that it should not block the passage after breaching the door.</p> <p>(xi) The Buster should be equipped with antipollution hydraulic coupling between power source and the door buster which should ensure that no oil leakage takes place.</p> <p>(xi) Should have a single/<b>separate hose operation</b> for hydraulics and electrical connection.</p>
	<p>(b) <b>Specification of Door Buster.</b></p> <p>(i) <u>Push Force.</u> The device should have a push force of min <b>60 KN</b>.</p> <p>(ii) <u>Door Buster dimensions (without extension accessory).</u> Max 1200x100mm when packed.</p> <p>(iii) <u>Upper arm length.</u> When packed, Min 850mm and Max 950mm</p> <p>(iv) <u>Weight.</u> Max 26 Kg.</p> <p>(v) <u>Extension 1.</u> Min 140mm and Max 160mm</p> <p>(vi) <u>Extension 1 weight.</u> Max 2 Kg.</p> <p>(vii) <u>Extension 2.</u> Min 290 mm and Max 310mm.</p> <p>(viii) <u>Extension 2 weight.</u> Max 3 Kg.</p> <p>(ix) <u>Additional bearing Plates for soft ground operation size.</u> Min 270x270x7mm and Max 330x330x9mm.</p> <p>(x) <u>Additional Bearing Plate weight.</u> 7 Kgs Max.</p> <p>(xi) <u>Packing.</u> The device should come in a moulded transport case.</p>

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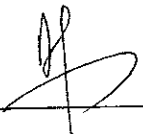
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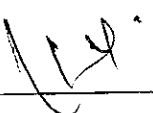

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
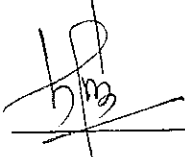
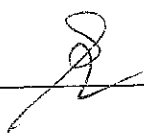
QRs OF DOOR BUSTER (CONTD.....)


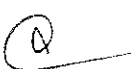
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Ser No	QRs Parameters
4.	<b>Hydraulic Power unit</b>
	<p>(a) <u>Description.</u></p> <p>(i) The device should be portable and easy to carry as a backpack.</p> <p>(ii) The back pack should be a single acting hydraulic power unit which should be portable and fed by a 100 % sealed rechargeable <b>12/24V</b> bty which should be commercially available off the shelf in India. The power unit should be covered by a protective casing.</p> <p>(iii) The hydraulic power unit must be equipped with a security system - "Dead Man Switch" which means that, as soon as the operator removes his hand from the handle of the Door Buster <b>or from the remote control</b>, then instantly the Hydraulic power unit ceases to function.</p> <p>(iv) The hydraulic power unit should be equipped with fast antipollution hydraulic coupling.</p> <p>(v) The hydraulic power unit design should enable quick manual replacement of battery.</p> <p>(vi) The hydraulic power unit should have indicators for battery charge and low battery.</p> <p>(vii) The hydraulic power unit should go into sleep mode until it is activated by the dead man switch.</p>

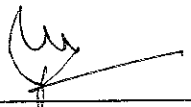
  
  



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QRs OF DOOR BUSTER (CONTD.....)


<u>Ser No</u>	<u>QRs Parameters</u>
	<p>(b) <b><u>Specification of Hydraulic power unit.</u></b> The hydraulic power unit should consist of :-</p> <p>(i) <u>Power Supply.</u> Should come with removable <b>12/24</b> volt Lithium-ion battery (Min 7 Amp).</p> <p>(ii) <u>Wired &amp; Wireless remote.</u> Wired remote with a length of minimum 3m. Range of wireless remote should be 5 meters LOS (Line of Sight).</p> <p>(iii) <u>Weight.</u> Max 22 Kg.</p> <p>(iv) <u>Hydraulic Hose (Default).</u> Length should be minimum 1500mm.</p> <p>(v) <u>Additional hose.</u> Length should be minimum 5 meters.</p> <p>(vi) <u>Battery charger.</u> Should be compatible to standard 110-250V AC mains. Certificate from a national / international accredited laboratory to be provided by the OEM.</p> <p>(vii) <u>External battery charger.</u> To charge the extra battery. (One extra battery to be provided by the vendor).</p>


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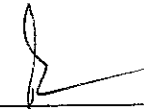
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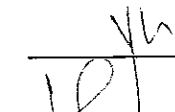

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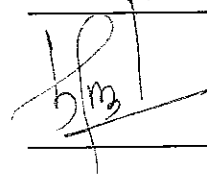

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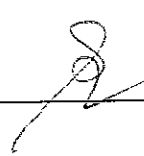
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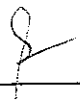

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QRs OF DOOR BUSTER (CONTD.....)

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<u>Ser No</u>	<u>QRs Parameters</u>
5	<b><u>Manual Tools</u></b>
	<p>(a) <b><u>Specification of Door Ram (Manual Tool).</u></b></p> <p>(i) <u>No of operators.</u> Should be operable by one person.</p> <p>(ii) <u>Impact Area.</u> Min 90mm and Max 110mm.</p> <p>(iii) <u>Handles.</u> Two handles should be provided.</p> <p>(iv) <u>Material.</u> Stainless steel. Certificate from a national / international accredited laboratory to be provided by the OEM.</p> <p>(v) <u>Length.</u> Min 520mm - Max 570mm.</p> <p>(vi) <u>Weight.</u> Max 15 Kg.</p>
	<p>(b) <b><u>Multi entry tool (manual tool).</u></b> Multi entry tool should consist of an insulated shaft/lever with three attachments. Details are as under :-</p> <p>(i) <b><u>Lever/Shaft.</u></b></p> <p>(aa) <u>Dimension.</u> Min 580X40mm and Max 600X50mm .</p> <p>(ab) <u>Weight.</u> Max 1.6 kg.</p> <p>(ac) <u>Material.</u> Zinc plated steel. Certificate from a national / international accredited laboratory to be provided by the OEM.</p>

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QRs OF DOOR BUSTER (CONTD.....)

Ser No	<u>QRs Parameters</u>
	<p>(ii) <b>Attachment 1.</b> It should have a smooth beveled head with a penetration point to spread panels, break bolt locks etc :-</p> <p>(aa) <u>Dimension.</u> Min 90X160X140mm &amp; Max 110x190x 170mm.</p> <p>(ab) <u>Weight.</u> Max 1.6 kg.</p> <p>(ac) <u>Material.</u> Zinc plated/<b>Black non-corrosive coated steel.</b> Certificate from a national/international accredited laboratory to be provided by the OEM.</p>
	<p>(iii) <b>Attachment 2.</b> Open head for breaking padlocks, levering metal shutters, etc :-</p> <p>(aa) <u>Dimension.</u> Min 230X65X27mm &amp; Max 240X72X32mm.</p> <p>(ab) <u>Weight.</u> Max 1.3 kg.</p> <p>(ac) <u>Material.</u> Zinc plated/<b>Black non-corrosive coated steel.</b> Certificate from a national/international accredited laboratory to be provided by the OEM.</p>
	<p>(iv) <b>Attachment 3.</b> Cutting head to cut a passage through light sheet metal door, panel and frame etc :-</p> <p>(aa) <u>Dimension.</u> Min 230X68X27mm &amp; Max 240X78X35mm.</p> <p>(ab) <u>Weight.</u> Max 1.3 kg.</p> <p>(ac) <u>Material.</u> Zinc plated/<b>Black non-corrosive coated steel.</b> Certificate from a national/international accredited laboratory to be provided by the OEM.</p>

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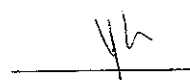


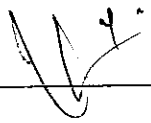
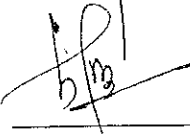

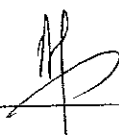
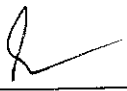

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QRs OF DOOR BUSTER (CONTD.....)

<u>Ser No</u>	<u>QRs Parameters</u>
	<p>(c) <b><u>Sledge Hammer.</u></b></p> <p>(i) Sledge hammer should be made of solid steel.</p> <p>(ii) Handle - Should be insulated and conform to EN 60900.</p> <p>(iii) Total length - Min 850mm and Max 900mm</p> <p>(iv) Weight - Max 7.5 Kg.</p>
6.	<p><b><u>Breaching Gloves.</u></b> The gloves should be composed of hydrophobic leather and Kevlar.</p>
7.	<p><b><u>Training Door.</u></b> The training door is for training in breaching techniques alongwith the Door Buster. It is used by rescue teams to be able to put into practice their breaching and improve techniques and necessary reflexes for operations.</p> <p>(a) <b><u>Description.</u></b></p> <p>(i) The trg door will be a steel frame and a steel door with adequate support for standing.</p> <p>(ii) Should have wooden calibrated fusible lock simulators to offer the possibility of reproducing the resistance of single or multi lock doors.</p> <p>(iii) Should have three lock simulation (Top, bottom and centre)</p> <p>(iv) Centre lock simulator should be fitted with three fuses that resemble the progressive opening of a door.</p>



QRs OF DOOR BUSTER (CONTD.....)

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Ser No	QRs Parameters
	<p>(b) <u>Specification</u>. It should consist of :-</p> <p>(i) Structure - Steel.</p> <p>(ii) No of lock Simulation - Three (Top, bottom &amp; Centre).</p> <p>(iii) Colour - Black.</p> <p>(iv) Weight - Max 455 Kgs.</p>
8.	<p><u>Miscellaneous</u>. Firm should give warranty period and fault liabilities for 2 years, contractual maintenance with adequate spares, i.e. mineral oil, Extra covers for hose Hydraulic Pump and Door Buster and organize training for complete familiarization/drills for operation and repairs.</p>

*[Signature]*  
 (Y. U. Sharma)  
 SSAC  
 BPRD CB. O. K.

*[Signature]*  
 (HARJINDER KUMAR)  
 Dy Comd, BSF

*[Signature]*  
 (CAP T VISHAL GULFRAH)  
 SI, SAG (NSG)

*[Signature]*  
 S K Gaitan  
 IAE SAG  
 ASST Director

*[Signature]*  
 (S. K. Gaitan)  
 DC (ADM)  
 Assam Rifles

*[Signature]*  
 (Satinder Singh)  
 DC ITBP

*[Signature]*  
 (J. K. SHARMA)  
 AG, SSB

*[Signature]*  
 D. N. L. G. (NSG)  
 H. G. NSG.

*[Signature]*  
 (M. N. Choudhury)  
 DC, CRPF

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 (A. K. Shukla)  
 AC (C&A)

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 Maj S. Sachdeva  
 SC (Ord), HQ NSG.

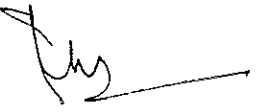
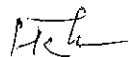
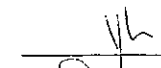
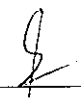

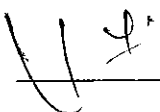


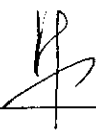
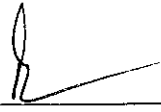

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APPROVED / NOT APPROVED

*[Signature]*  
 (J N Choudhury)  
 DG, NSG

TRIAL DIRECTIVES OF DOOR BUSTER

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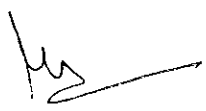
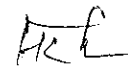



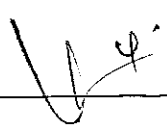
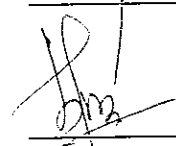

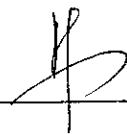

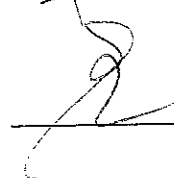
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<u>General</u>		
2.	Door buster consists of following types of tools and accessories :-  (a) <u>Hydraulic tools</u> . Door buster hydraulic & Hydraulic power unit.  (b) <u>Manual tools</u> . Door Ram, multi entry tools with three attachments and sledge hammer.  (c) Breaching gloves.  (d) Tactical training door for training on Door Buster.  (e) The user will specify the type of tools (with associated accessories) and their numbers (within the total authorisation of the equipment) at the time of tendering.	

TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....)

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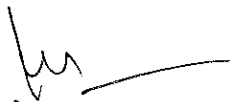




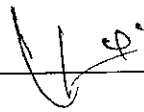
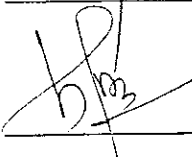

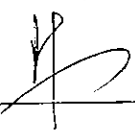


<u>Ser No</u>	<u>QRs Parameters</u>	<u>Trial Directives</u>
<u>Hydraulic Tools</u>		
3.	<u>Door Buster (Hydraulic).</u>	
	<u>Specification of QRs</u>	<u>Trial Directive</u>
	(a) <u>Description</u>	
	(i) The DOOR-Buster should open inward/ <b>outward</b> opening, single or multi-lock doors.	To be checked physically by breaching the single and multi lock door on Tactical training door (to be provided by the vendor).
	(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 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 should be made available, to be adaptable at the top of the upper arm to allow the Door Buster to open pushing doors which do not have frames.	To be checked physically by attaching the said accessories and opening the door without frame (to be provided by the vendor).

TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....)

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<u>Ser No</u>	<u>QRs Parameters</u>	<u>Trial Directives</u>
	(vii) The device must have wired remote for hand and foot operation and a hand held wireless remote.	To be checked physically by the BOO.
	(viii) For normal operation the device should be operated through a Dead-man hydroelectric handle located directly on the Door Buster.	Normal operation to be checked physically by operating the dead man switch located on hydroelectric handle of door buster.
	(ix) The Door Buster should work on a electro hydraulic power source which may also be carried on the back pack.	The power source will be put on back of the soldier and electro hydraulic power source will be checked physically.
	(ix) The Door 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 (to be provided by the vendor). Personnel will be made to walk through the door after breaching.
	(x) The Buster should be equipped with antipollution hydraulic coupling between power source & the door buster which should ensure that no oil leakage takes place.	There should be no oil leakage when coupling and un-coupling of the hose is done.
	(xi) Should have a <b>single/separate hose operation</b> for hydraulics and electrical connection.	To be checked physically. The device should have single/separate hose having both hydraulic and electrical components in a single connection <b>or separate connections respectively.</b>

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TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....)

Ser No	QRs Parameters	Trial Directives
(b)	<b>Specification</b>	<b>Trial Directive</b>
	(i) Push Force	The device should have a push force of min <b>60 KN</b> . OEM should provide a certificate from a national / international certification agency / laboratory. BOO will check this certification.
	(ii) Door Buster dimensions (without extension accessory)	Max 1200X100mm when packed. To be physically checked by the BOO.
	(iii) Upper arm length	When packed, Min 850mm Max 950mm To be physically checked by the BOO.
	(iv) Weight	Max 26 Kg To be physically checked by the BOO.
	(vi) Extension 1	Min 140mm & Max 160mm To be physically checked by the BOO.
	(vii) Extension 1 weight	Max 2 kg To be physically checked by the BOO.
	(viii) Extension 2	Min 290 mm and Max 310mm To be physically checked by the BOO.
	(ix) Extension 2 Weight	Max 3 Kg To be physically checked by the BOO.
	(x) Additional bearing Plates for soft ground operation size	Min 270x270x7mm & Max 330x330x9mm To be physically checked by the BOO.
	(xi) Additional Bearing Plate weight	7 Kgs Max. To be physically checked by the BOO.
	(xii) Packing	The device should come in a moulded transport case. To be physically checked by the BOO.

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



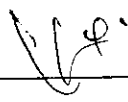
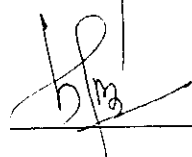

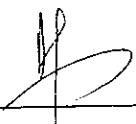
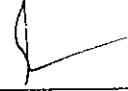
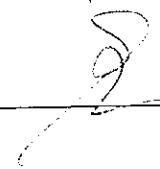
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TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....)

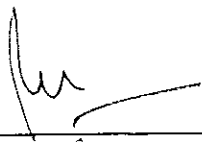




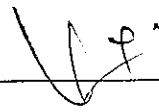
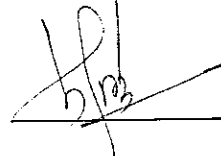



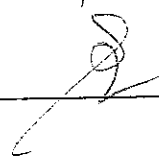
<u>Ser No</u>	<u>QRs Parameters</u>	<u>Trial Directives</u>
4.	<u>Hydraulic Power Unit.</u>	
(a)	<u>Description</u>	<u>Trial Directives</u>
	(i) The device should be portable and easy to carry as a backpack.	To be physically checked by the BOO.
	(ii) The back pack should be a single acting hydraulic power unit which should be portable and fed by a 100 % sealed rechargeable <b>12/24 V</b> bty which should be commercially available off the shelf in India. The power unit should be covered by a protective casing.	To be checked physically. The battery voltage should be marked on the battery and will be checked using volt meter. The protective casing to be checked visually.
	(iii) The hydraulic power unit must be equipped with a security system - "Dead Man Switch" which means that, as soon as the operator removes his hand from the handle of the Door Buster <b>or from the remote control</b> , then instantly the Hydraulic power unit ceases to function.	To be checked physically by the BOO. As soon as the operator removes his hand from the door buster "dead man switch" <b>or from the remote control</b> , the hydraulic power unit should 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. There should be no oil leakage.
	(v) The hydraulic power unit design should enable quick manual replacement of battery.	To be checked physically by the BOO. The battery will be removed from the battery compartment and replaced with a new battery (to be provided by the vendor).

TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....

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<u>Ser No</u>	<u>QRs Parameters</u>	<u>Trial Directives</u>
	(vi) The hydraulic power unit should have indicators for battery charge and low battery.	To be checked manually. The indicator showing the status of battery and weak battery warning light will be checked with a weak bty (to be provided by the vendor).
	(vii) The hydraulic power unit should go into sleep mode until it is activated by the dead man switch.	To be checked physically by the BOO.
	(b) <b><u>Specifications of Hydraulic Power Unit.</u></b> The hydraulic power unit should consist of:-	<b><u>Trial Directive</u></b>
	(i) Power supply	Should come with removable <b>12/24 volt</b> Lithium-ion battery (Min 7 Amp)
	(ii) Wired & Wireless remote	Wired remote with a length of minimum 3m. Range of wireless remote should be 5 meters LOS (Line of Sight).
		(aa) Wired remote to be physically checked by the BOO for the length. (ab) <u>Wireless Remote.</u> To be checked physically by marking a distance of 5 meters on the ground. (ac) Operation of the door buster will be checked via both remotes.

TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....


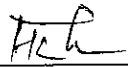



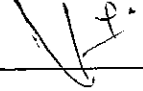


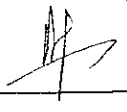
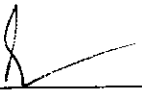
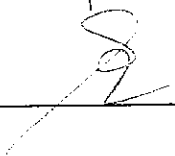
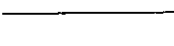


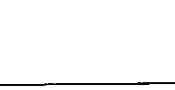

<u>Ser No</u>	<u>QRs Parameters</u>		<u>Trial Directives</u>
	(iii) Weight	Max 22 Kg.	To be checked physically by the BOO.
	(iv) Hydraulic Hose (Default)	Length should be minimum 1500mm.	To be checked physically by the BOO.
	(v) Additional hose	Length should be minimum 5 meters	To be checked physically by the BOO.
	(vi) Battery charger	Should be compatible to standard 110-250V AC mains. Certificate from a national / international accredited laboratory to be provided by the OEM.	The charger should be compatible to commonly available 5/15 amp power socket and charging will be checked physically by the BOO.
	(vii) External battery charger	To charge the extra battery. (One extra battery to be provided by the vendor).	The charger should be compatible to commonly available 5/15 amp power socket and charging will be checked physically by the BOO.
5.	<b>Manual Tools</b>		
	(a) <b>Specification of Door Ram (Manual Tool)</b>		<b>Trial Directive</b>
	(i) No of operators	Should be operable by one person.	To be checked physically. The ram to be carried and operated by single person.
	(ii) Impact Area	Min 90mm Max 110mm	To be checked physically by the BOO.
	(iii) Handles	Two handles should be provided.	To be checked physically by the BOO.
	(iv) Material	Stainless steel. Certificate from a national / international accredited laboratory to be provided by the OEM.	To be checked physically by the BOO.
	(v) Length	Min 520mm Max 570mm	To be checked physically by the BOO.
	(vi) Weight	Max 15 kg	To be checked physically by the BOO.




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TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....)

Ser No	QRs Parameters	Trial Directives
	(b) <b>Multi Entry Tool (Manual Tool).</b>	
	Multi entry tool should consist of an insulated shaft/lever with three attachments. Details are as under:-	
	(i) <b>Lever/Shaft.</b>	
	(aa) Dimension	Min 580X40mm & Max 600X50mm
	(ab) Weight	Max 1.6 Kg
	(ac) Material	Zinc plated steel. Certificate from a national / international accredited laboratory to be provided by the OEM.
	(ii) <b>Attachment 1.</b> It should have a smooth beveled head with a penetration point to spread panels, break bolt locks etc:-	To be checked physically by the BOO. OEM certificate required to be attached confirming the same.
	(aa) Dimension	Min 90X160X140mm Max 110 X 190 X 170mm
	(ab) Weight	Max 1.6 Kg
	(ac) Material	Zinc plated/ <b>Black non-corrosive coated steel.</b> Certificate from a national/international accredited laboratory to be provided by the OEM.
	(iii) <b>Attachment 2.</b> Open head for breaking padlocks, levering metal shutters, etc :-	To be checked physically by the BOO. OEM certificate required to be attached confirming the same.
	(aa) Dimension	Min 230X65X27mm Max 240X72X32mm
	(ab) Weight	Max 1.3 Kg

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**TRIAL DIRECTIVES OF DOOR BUSTER (Contd .....)**

Ser No	QRs Parameters	Trial Directives
	(ac) Material Zinc plated/ <b>Black non-corrosive coated steel.</b> Certificate from a national/international accredited laboratory to be provided by the OEM.	To be checked physically by the BOO.
	(iv) <b>Attachment 3.</b> Cutting head to cut a passage through light sheet metal door, panel and frame etc:-	To be checked physically by the BOO. OEM certificate required to be attached confirming the same.
	(aa) Dimension Min 230X68X27mm Max 240X78X35mm	To be checked physically by the BOO.
	(ab) Weight Max 1.3 Kg	To be checked physically by the BOO.
	(ac) Material Zinc plated/ <b>Black non-corrosive coated steel.</b> Certificate from a national/international accredited laboratory to be provided by the OEM.	To be checked physically by the BOO.
	(c) <b>Specification of Sledge Hammer</b>	<b>Trial Directive</b>
	(i) Sledge hammer should be made of solid steel.	
	(ii) Handle Should be insulated and conform to EN 60900.	Certificate from a national / international accredited laboratory to be provided by the OEM.
	(iii) Total length Min 850mm Max 900mm	To be checked physically by the BOO.
	(iv) Weight Max 7.5 Kg	To be checked physically by the BOO.
6.	<b>Breaching Gloves</b>	
	<b>Specification of Breaching Gloves</b>	<b>Trial Directive</b>
	(i) The gloves should be composed of hydrophobic leather and Kevlar.	Certificate from a national / international accredited laboratory to be provided by the OEM. To be checked physically by the BOO.

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TRIAL DIRECTIVES OF DOOR BUSTER (Contd.....)

Ser No	QRs Parameters	Trial Directives
7.	<b>Training Door.</b> The training door is for training in breaching techniques alongwith the Door Buster. It is used by rescue teams to be able to put into practice their breaching and improve techniques and necessary reflexes for operations.	
	(a) <b>Description</b>	<b>Trial Directive</b>
	(i) The trg door will be a steel frame and a steel door with adequate support for standing.	To be checked physically by BOO.
	(ii) Should have wooden calibrated fusible lock simulators to offer the possibility of reproducing the resistance of single or multi lock doors.	To be checked physically by BOO.
	(iii) Should have three lock simulation (Top, bottom and centre)	To be checked physically by BOO.
	(iv) Centre lock simulator should be fitted with three fuses that resemble the progressive opening of a door.	To be checked physically by BOO.
	(b) <b>Specification of Training Door.</b> It should consist of :-	<b>Trial Directive</b>
	(i) Structure   Steel.	To be checked physically by BOO.
	(ii) No of lock Simulation   Three (Top, bottom & centre)	To be checked physically by BOO.
	(iii) Colour   Black	To be checked physically by BOO.
	(iv) Weight   Max 455 Kgs.	To be checked physically by BOO.

~~Sharma~~  
08.01.14  
(N. Sharma)  
BPRD  
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(S. Sharma)  
DCC (NSG)  
NSG HQ  
Bansal  
Abhinav Bansal  
DC, CRPF

A. Lauhaol  
HARJINDER KUMAR  
DY COMDT, BSA  
S  
(Satinder Singh)  
AC HRP  
S  
AC Shukla  
AC CRP

Vishal  
(CAPT VISHAL GUPTA)  
S  
(J. P. SHARMA)  
AC, SSD  
D

(S. K. Gaitanaris)  
NSG  
NSG Director  
S  
Major S. Sachdeva  
SC (NSG), HQ NSG.

APPROVED / NOT APPROVED

(J N Choudhury)  
DG, NSG