

संख्या. पी-63013/53/12/2021/मोड-1/सीसुबल / 1114-18
भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
(Email-comdtord@bsf.nic.in)
(Fax: 011-24367683)

ब्लाक संख्या . 10,
सीजीओ काम्पलैक्स,
लोधी रोड, नई दिल्ली-03

दिनांक 17 अप्रैल 2023

सेवा में,

महानिदेशक:- आसाम राईफलस (through LOAR), केन्द्रीय ओद्योगिक सुरक्षा बल,
केन्द्रीय रिजर्व पुलिस बल, भारतीय तिब्बत बोर्डर पुलिस, सशस्त्र सीमा बल,
राष्ट्रीय सुरक्षा गार्ड एवं पुलिस अनुसन्धान एवं विकास ब्योरो

विषय: अनुमोदित गुणात्मक आवश्यकता / परीक्षण निर्देशों का प्रेषण

तकनीकी विशेषज्ञों के उप समूह द्वारा किए गये सूत्रीकरण एवं महानिदेशक सीमा सुरक्षा बल द्वारा अनुमोदित "Hydraulic/Pneumatic Door Breaker-Revised" के संशोधित गुणात्मक आवश्यकता / परीक्षण निर्देशों को आपकी अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।

संलग्न : उपरोक्तनुसार

उ. दे. सिंह
(इन्द्र देव सिंह)
उप महानिरीक्षक (रसद)

प्रतिलिपि :-

1. तकनीकी निदेशक
The Technical Director
राष्ट्रीय सूचना-विज्ञान केन्द्र, नोर्थ ब्लाक,
गृह मंत्रालय, नई दिल्ली
NIC, North Block, MHA
New Delhi
(द्वारा ई-मेल)
(ई-मेल पता : mpsugandhi@nic.in)
: आपसे अनुरोध है कि उक्त उपकरण के पुनः सूत्रीकरण किये गये गुणात्मक आवश्यकता / परीक्षण निर्देशों को गृह मंत्रालय की वैबसाईट (MHA website Division of MHA+ - Police Modernization Division- Qualitative Requirements-Qualitative Requirements of Machinery & Eqpt Items with Surveillance item) पर अपलोड करने का श्रम करें।
2. SO (IT), North Block, MHA
(Through E-mail)
(E-mail address: soif@nic.in)
: कृपया उपरोक्तानुसार कार्यवाही करने का श्रम करें।
3. तकनीकी विंग, सीमा सुरक्षा बल
: कृपया उक्त उपकरण के गुणात्मक आवश्यकता / परीक्षण निर्देशों को सीमा सुरक्षा बल की वैबसाईट पर अपलोड करने का श्रम करें।
4. फाईल।

QRs AND TDs OF HYDRAULIC/ PNEUMATIC DOOR BREAKER : 10 FEB 2023

Ser No	Parameter	Specification	Trial Directives
1.	General (The Kit Includes).	(a) Light weight hydraulic door opener.	To be checked physically by BOO.
		(b) Anti Panic Door Crusher.	To be checked physically by BOO.
		(c) Hydraulic/Pneumatic power unit.	To be checked physically by BOO.
		(d) Cutter.	To be checked physically by BOO.
		(e) Spreader.	To be checked physically by BOO.
		(f) Hydraulic/Pneumatic Power unit for cutter and spreader.	To be checked physically by BOO.
2.	Light weight Door Opener.	(a) Door beaker should ensures quick and silent opening of inward opening non-armored plated doors.	To be checked physically by the breaching the single and multi-lock door on Tactical training door (to be provided by the vendor).
		(b) The tools should have quick-fastening anti-pollution connection to avoid the delay in operations & for life reliable operations	There will be no oil leakage when coupling ad un-coupling of the hose is done.
		(c) Light weight & compact.	To be checked physically by BOO.
		(d) Easy installation and operation.	To be checked physically by BOO.
		(e) Should be operated by one person only.	To be checked physically by operating the light weight hydraulic door breaker.
		(f) Push Force: 50 KN minimum.	Firm to provide Indian Govt lab/NABL accredited lab certificate for the same. BOO to check the certificate
		(g) Arm extension : Telescopic arm extension with 1 st extension min 100mm and 2 nd extension min 140mm	To be checked physically by BOO.
		(h) Weight : Maximum 7 Kgs	To be checked physically by BOO.
		(j) Dimension: Maximum 380x140x140mm.	To be checked physically by BOO.
		(k) Packing: Hard carrying case.	To be checked physically by BOO.












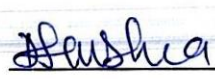

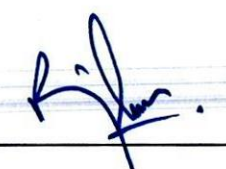













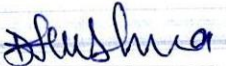







REVISED QRs AND TDs OF HYDRAULIC/ PNEUMATIC DOOR BREAKER

Ser No	Parameter	Specification	Trial Directives
3.	Anti-panic Door crusher	(a) To be used to get access on special type of doors. Capable to compel one exterior opening anti panic aluminum door with single or multi point locks.	To be checked physically by the crushing the simulation door (to be provided by the vendor).
		(b) Dead man switch on the anti-panic door opener for operation.	Normal operation be checked physically by operating the dead man switch located on handle of door crusher
		(c) Single hose operation.	To be checked physically by BOO.
		(d) Equipped with antipollution hydraulic/ pneumatic coupling between power source and door Breaker which ensure that no leakage.	There will be no oil leakage when coupling and un-coupling of the hose is done.
		(e) Must have wired & wireless remote for hand and foot operations.	To be checked physically by BOO.
		(f) Operated by one or two persons.	To be checked physically by operating the light weight hydraulic door breaker.
		(g) Compatible with the same hydraulic/pneumatic power unit used with the light weight door opener.	To be checked physically by BOO.
		(h) Dimension Closed: Maximum 1250x350x300mm.	To be checked physically by BOO.
		(i) Crusher Weight : Maximum 11 Kgs.	To be checked physically by BOO.
		(k) Power: Minimum 45KN	Firm to provide Indian Govt lab/NABL accredited lab certificate for the same. BOO to check the certificate.
4.	Hydraulic/ Pneumatic Power unit.	(l) Packing: Hard ruggedized carrying case.	To be checked physically by BOO.
		(a) Should be equipped with a single fast antipollution Hydraulic coupling.	There will be no oil leakage when coupling and un-coupling of the hose is done.

Ser No	Parameter	Specification	Trial Directives
		(b) Power unit design for quick replacement of battery.	To be Checked physically by the BOO. The battery will be removed from the battery compartment and replaced with new battery (to be provided by the vendor).
		(c) Power unit equipped with a digital indicator for battery charge and low battery.	To be checked manually. The indicator showing status of battery and low battery status checked with a low battery (provided by the vendor).
		(d) Power unit only to activate if the dead man switch is activated, or else should go in sleep mode to save power and remain silent while assembling	To be checked physically by BOO.
		(e) Device to be portable and easy to wear.	To be checked physically by BOO.
		(f) Back pack should be a single acting hydraulic power unit which should be portable and fed by a 100% sealed suitable battery. Power unit should be covered by a protective casing.	To be checked physically by BOO. The battery voltage should be marked on the battery and will be checked using volt meter. The protective casing to be checked visually.
		(g) Endurance of battery for min 30 min continuous usage once fully charged.	To be checked physically by BOO.
		(h) Battery to be commercially available in open market.	To be checked physically by BOO.
		(i) Time for battery for getting fully charged max 04 hrs.	To be checked physically by BOO.

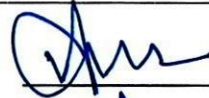












QRs AND TDs OF HYDRAULIC/ PNEUMATIC DOOR BREAKER

Ser No	Parameter	Specification	Trial Directive
	Hydraulic/ Pneumatic Power unit.	(k) Power Supply: Removable suitable rechargeable battery.	To be checked physically by BOO.
		(l) Remote: With a wired and wireless hand and foot remote.	To be checked physically by BOO
		(m) Hydraulic Power unit dimension : Max size 600 x 400 x 300mm.	To be checked physically by BOO
		(m) Weight : Max 14 Kg.	To be checked physically by BOO
		(o) Hydraulic Single Way Hose: length 1000 mm (min).	To be checked physically by BOO
		(p) Automatic Battery Charger: Compatible AC main charger.	To be checked physically by BOO
5	Cutter.	(a) Minimum cutting force of 350 KN.	Firm to provide Indian Govt lab/NABL accredited lab certificate for the same. BOO to check the certificate
		(b) 20 mm - untreated steel. 16 mm – treated steel.	OEM Certificate will be provided by the firm and to be checked physically by BOO.
		(c) Usable and carry able underwater upto 60 meters depth with absolutely no connection to the surface	Firm to provide Indian Govt lab/NABL accredited lab certificate for the same. BOO to check the certificate.
		(d) Weight not more than 15 kg.	To be checked physically by BOO
		(e) Dimension shall not exceed 600 x 500 x 400 mm.	To be checked physically by BOO
		(f) Delivered in a strong hard case water resistant, black colour, with dedicated spaces for each cutter and buoyancy system accessories.	To be checked physically by BOO
6.	Spreader.	(a) Minimum spreading force 35KN (Certificate from OEM).	Firm to provide Indian Govt lab/NABL accredited lab certificate for the same. BOO to check the certificate
		(b) Minimum spreading opening 200mm.	To be checked physically by BOO.
		(c) Shall be usable and carry able underwater upto 60 meters depth with absolutely no connection to surface.	Firm to provide Indian Govt lab/NABL accredited lab certificate for the same. BOO to check the certificate
		(d) Weight not more than 15 kg.	To be checked physically by BOO.
		(e) Dimensions not to exceed 550 x 400 x 500 mm	To be checked physically by BOO.
		(f) Delivered in hardcase water resistant with dedicated spaces for each spreader and buoyancy system's accessories.	To be checked physically by BOO.

Sk

Nax





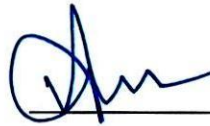





QRs AND TDs OF HYDRAULIC/ PNEUMATIC DOOR BREAKER

Ser No	Parameter	Specification	Trial Directives
7.	Hydraulic /Pneumatic Power unit for cutter and spreader.	(a) Power pack shall operate with both tools cutter & spreader, for land and underwater operations.	OEM certificate will be provided by the firm.
		(b) Usable and carry able underwater upto 60 meters depth with absolutely no connection to ground	Firm to provide Indian Govt lab/NABL accredited lab certificate for the same. BOO to check the certificate
		(c) Should have inflate/deflate capability for positive buoyancy.	OEM certificate will be provided by the firm. To be checked physically by BOO
		(d) Operate on land underwater in any position 360°.	OEM certificate will be provided by the firm.
		(e) Shall operate hydraulically using suitable rechargeable battery	OEM certificate provided by the firm. To be checked physically by BOO
		(f) Time to recharge the power packs not more than 4 Hours.	To be checked physically by BOO.
		(g) Endurance of bty should be minimum 60 min continuous usage once fully charged.	To be checked physically by BOO.
		(h) Bty to be commercially available in open market.	To be checked physically by BOO.
		(j) Dimensions not to exceed 700 x 320mm.	To be checked physically by BOO.
		(k) Weight of power pack not to exceed 28 kg.	To be checked physically by BOO.
		(l) Power pack shall be delivered in a strong hard case water resistant, with dedicated spaces for power pack's accessories.	To be checked physically by BOO.













Ser No	Parameter	Specification	Trial Directives
8.	Misc	(i) User & maintenance manual & technical literature to be provided (ii) Warranty 02 year for complete equipment.	To be checked physically by BOO. Undertaking from OEM/firm to be provide. BoO to check the same.

Sr
SUSHIL KUMAR
BPRAD

Naveen
(Insp/GD Naveen)
Jangid, CRPF

Avinash Kumar
DeIGD ITBP

Aadesh Saini
De, CISF

Prakash Singh
BSF SRO

D P Mishra
(D P Mishra)
NB/Sub LOAR

Bhatt Shekhar
ASI/Comdant
(SSB)

Rajni Kumar
LT COL
Rajni Kumar
OC SWS, NSG

Arvind Kumar
COL
Arvind Kumar
C & WE, HQ NSG

PC SHARMA
CIC (PROC), HQ NSG

Singh
SIMARDEEP SINGH
DIG (PROV) HANSG

Shalin
(SHALIN, IPS)
IG (PROV)

APPROVED/NOT APPROVED

Harveer

DG, BSF