संख्या. पी-63013/216/01/2025/मोड–I/सीसुबल/214/17

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 27 जनवरी 2025

वरिष्ठ तकनीकी निदेशक
The Senior 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)

Sub: **Request for comments of stakeholders/OEM on draft QRs.**

कृपया गृह मंत्रालय के पत्र संख्या IV-24011/12/2011-Prov-I(part)(CFN 3300890)-1710 दिनांक 31st Aug 2015 के सन्दर्भ में।

2. उपरोक्त विष्यान्तर्गत यह सूचित किया जाता है कि तकनीकी विशेषज्ञों के उप समूह द्वारा **"Tethered UAV/Drone (HYBRID)"** के गुणातमक आवश्यकता/परीक्षण निर्देशों का प्रारुप 22 जनवरी 2025 में आयोजित सभा के दौरान तैयार किया गया था जिसको इस आशय से प्रेषित किया जा रहा है कि उक्त गुणातमक आवश्यकता/परीक्षण निर्देश को गृह मंत्रालय की वैबसाईट पर 15 दिन के लिए अपलोड करने का श्रम करें।

संलग्न : उपरोक्तनुसार

27/01/2025

(दिगेन्द्र सिंह पँवार)
उप कमाण्डेंट (मोड)

प्रतिलिपि :-

1. SO (IT), North Block, MHA (Through E-mail) (E-mail address: soit@nic.in) : उपरोक्त समस्त गुणातमक आवश्यकता का मसौदा आपके सूचनार्थ एवं अग्रिम कार्यवाही हेतु।
2. IT Wing, FHQ BSF : उपरोक्त उक्त गुणातमक आवश्यकता का मसौदे को सीमा सुरक्षा बल की वैबसाईट पर 15 दिन के लिए अपलोड करने का श्रम करें। आपसे अनुरोध है कि उक्त मसौदे को गृह मंत्रालय की वैबसाईट पर भी अपलोड करने हेतु निम्नलिखित पतों पर ई–मेल करने का श्रम करेंरू.
   (a) Technical Director, NIC, North Block, MHA
   (E-mail : mpsugandhi@nic.in)
   (b) SO (IT), North Block, MHA
   (E-mail : soit@nic.in)
3. Ops Dte (Technology Cell), BSF : For info w.r.t their UO No.727 dated 10 Jan 2025

भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
ब्लाक संख्या . 10,सीजीओ काम्पलैक्स,लोधी रोड, नई दिल्ली–03
(Email-comdtord@bsf.nic.in)
(Fax: 011-24367683)

संख्या. पी-63013/2016/01/2025/मोड–I/सीसुबल/214-17 दिनांक 27 जनवरी 2025

विषय : **"Tethered UAV/Drone (HYBRID)" के सूत्रीकरण गुणातमक आवश्यकता/परीक्षण निर्देशों पर हितधारकों/निर्माताओं/विकेताओं की टिप्पणी के लिए अनुरोध।**

1. "Tethered UAV/Drone (HYBRID)" के सूत्रीकरण गुणातमक आवश्यकता और परीक्षण निर्देशों को परिशिष्ट 'ए' के रुप में संलग्न किया गया है। हितधारकों/निर्माताओं/विकेताओं से अनुरोध किया जाता है कि वे उस उत्पाद की विस्तृत एवं स्टीक जानकारी दें। साथ ही प्रत्येक पैरामीटर के अनुरुप अपने उत्पाद के सही विवरणों को प्रस्तुत करें। सिर्फ 'अनुपालना' या 'अनुपालना नहीं' वाली टिप्पणी स्वीकार नहीं की जाएगी।

    - क्या आप मूल उपकरण निर्माता/विकेता हैं?
    - यदि विकेता मूल उपकरण निर्माता का विवरण देता है।
    - मूल उपकरण निर्माता से प्राधिकरण प्रमाण पत्र।
    - उत्पाद की मूल सूची।
    - उत्पाद ब्रोशर एवं साहित्य रचना का ब्यौरा

2. आवश्यक जानकारी/विवरण निम्नलिखित पते पर दिनांक 10 फरवरी 2025 तक भेजने का श्रम करें।
   रसद निदेशालय, सीमा सुरक्षा बल
   लेवल–8, ब्लाक–10,
   केन्द्रीय कार्यालय परिसर, लोधी रोड,
   नई दिल्ली–110003
   ईमेलः– comdtord@bsf.nic.in

3. शीघ्र प्रतिकिया का अनुरोध किया जाता है।

27/01/2025

(दिगेन्द्र सिंह पॅवार)
उप कमाण्डेंट (आधुनिकीकरण)

Government of India
Ministry of Home Affairs
Directorate General Border Security Force
(Prov Dte: Mod Cell)
Block No.10, CGO Complex, Lodhi Road, New Delhi-03
(Fax: 011-24367683, Email-comdtord@bsf.nic.in)

No. P-63013/216/01/2025/Mod-I/BSF/214-17 Dated, the 27 Jan 2025

Subject : Request for comments of stakeholders/ OEM/ Firms on QRs (Qualitative Requirements) & TDs (Trial Directives) of "Tethered UAV/Drone (HYBRID)"

1. The QRs/TDs of **"Tethered UAV/Drone (HYBRID)"** is attached as Appendix 'A'. The OEMs/Vendors are requested to forward information of the product, which they can offer and also forward correct specifications of their system against each parameter. Only complied or not complied remarks will not be accepted.

- Whether you are OEM/Vendor?
- If vendor details of OEM.
- Authorization certificate from OEM.
- Original catalogue of the product
- Brochure/Literature of the product

2. The required information/details may please be forwarded at the following addresses by 10 Feb 2025:-

Directorate General BSF,
Level-8, Block No. 10,
CGO Complex, Lodhi Road,
New Delhi-110003
Email: comdtord@bsf.nic.in

3. An early response is requested.

27/01/2025

(Digendra Singh Panwar)
Dy. Commandant (Mod)

Appendix-A

DRAFT QRs & TDs OF TETHERED UAV/ DRONE (HYBRID)

1. Field trial/ technical evaluation of the **TETHERED UAV/ DRONE (HYBRID)** will be conducted by a Board of Officers (B.O.O.) to be detailed by the competent authority to assess the actual performance of the equipment.

2. All parameters/ specifications mentioned in QRs will be checked and verified by the Board of Officers in accordance with the TDs in the presence of representative of firm.

(a) **Physical Checks**:- In this category, specifications of the equipment will be checked physically as per QRs and verified from laboratory test reports of NABL accredited laboratory or DRDO or ILAC or OEM certificates as specified in TDs.

(b) **Practical Checks**:- The representative of firm will demonstrate all the stated features/ configurations of the equipment/ system to the Board of officers during field trial.

(c) **Submission of Certificates**:- Firm will provide certificates from NABL accredited or DRDO or ILAC accredited laboratory for parameters stated below.

3. These QRs have been formulated for **TETHERED UAV/ DRONE (HYBRID)** with **generic specifications**.

S/No.	Parameter	Desired Result	Trial directives	Remarks
1.	**TETHERED UAV (HYBRID) to include**			
	(a) Aerial Vehicle: A tethered UAV that can also be operated un-tethered with day/ night camera payload for surveillance purpose during day & night.	Two (2) Should Be Capable to Fly While Tethered and Also to Fly Independent Of Tether	To be physically checked and verified by BOO.	
	(b) Mobile Tethering Power Base Station On 4X4 Vehicle Containing All Elements Of Tethered UAV Including Generator Set OR Static System that can easily be mounted on vehicle and dismounted from vehicle including all elements of the systems (within 30 minutes) as and when required. (Vehicular or Static to be decided by user agency)	One (1)	To be physically checked and verified by BOO.	
	(c) Ground Control Station	One (1)	To be physically checked and verified by BOO.	
	(d) Payloads	Integrated Day & Night Camera: 02	To be physically checked and verified by BOO.	
	(e) Universal Battery Charger with Power Supply System and UPS	Two (2)	To be physically checked and verified by BOO.	
	(f) Generator Set: Each generator should provide	Two (2)	To be physically checked	

S/No.	Parameter	Desired Result	Trial directives	Remarks
	backup of not less than 12 hours		and verified by BOO.	
	(g) Tether Station With Facility To Automatically Unwind And Wind The Tether Cable	One (1)	To be physically checked and verified by BOO.	
	(h) UAV should also operate without tethering cable as and when required by the operator	Yes	To be physically checked and verified by BOO.	
2.	**Unmanned Aerial vehicle (UAV)**			
	(a) Day & Night operational ability	Yes	To be physically checked and verified by BOO.	
	(b) Launch & Landing	Automatic Vertical Take-off and Landing (VTOL) From The Vehicle And Should Be Able To Land Back On The Designated Landing Place On The Vehicle Itself or in 1m X 1m area in case of static system.	To be physically checked and verified by BOO.	
	(c) MIL STD 810G/ JSS55555/ IP67 and EM shielding	Yes	Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(d) Should be able to with stand rough landing. Payload should not damage during landing of UAV.	Yes	To be physically checked and verified by BOO.	
	(e) Modular and easy to maintain. Ease of removal / replacement of parts under field conditions.	Yes	To be physically checked and verified by BOO.	
	(f) All Up Weight of UAV (excluding weight of tethering cable)	Not More Than 15 kilograms	To be physically checked and verified by BOO.	
	(g) Portability and Operation	The tethered UAV should fly on electrical-mains supply/ Gen Set/ UPS/ battery operated mounted on a 4X4 vehicle or in static mode. (Vehicular or static to be decided by user agency). When the UAV is flying in Un-Tethered mode than it should fly on Li-Po Battery having Endurance not less than 1 hour Both The UAVs shall be able to operate interchangeably as tethered or un-tethered.	To be physically checked and verified by BOO.	

S/No.	Parameter	Desired Result	Trial directives	Remarks
	(h) Deployment Time	≤ 30 Minutes	To be physically checked and verified by BOO.	
	(i) Parking Height	Minimum 200 meters	To be physically checked and verified by BOO.	
	(j) Wind Tolerance	30 Knots or better	Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(k) Propulsion	(i) Electric Power To The Tethered UAV Should Be Provided By • Electric Mains Supply • Universal Battery Charger with Power Supply System and UPS and • Through Generator Set Tethered To The UAV By a Sturdy Power Cable. (ii) Electric Power To The Un-Tethered UAV When Flying In Un-Tethered Mode Should Be Provided By Li-Po Battery Having Endurance Not Less Than 1 hour: Further Time Taken To Charge The Battery From Zero Charge To Full Charge Shall Not Be More Than 2 Hours	To be physically checked and verified by BOO.	
	(l) Operational Endurance	Not Less Than 24 Hours for The UAV As Well As The Generator(s) in Tethering mode. Each Generator Should Be Able to Run At Least 12 Hours And UAV Should Easily Be Migrated To Another Generator Set Without Aborting The Mission And 1 Hours with minimum loiter time of 30 minutes at full range with max payload up to launch altitude of 1000 meter above mean sea level for The UAV When It Is Being Operated Without Tethered i.e. While Flying In Un-Tethered Mode	To be physically checked and verified by BOO.	
	(m) Range (When The UAV Is Flying Independent Of Tethering Cable)	10 Kilometres LOS or more In Un-Tethered Mode	To be physically checked and verified by BOO.	

S/No.	Parameter	Desired Result	Trial directives	Remarks
	(n) Max Cruising Speed (When The UAV Is Flying Independent Of Tethering Cable)	60 km per hour or better In Un-Tethered Mode	To be physically checked and verified by BOO.	
	(o) Aural Signature (When The UAV Is Flying Independent Of Tethering Cable)	Nil Aural Signature At 500 meters In Un-Tethered Mode	To be physically checked and verified by BOO.	
	(p) Flight Modes	(a) Fully Autonomous Target Tracking & acquisition. (b) Semi-Autonomous Target Tracking & acquisition. (c) Loiter (d) Return to home 1mX1m area in case of static system or on the designated place on the vehicle in case of vehicular system. (e) AI (Optional)	To be physically checked and verified by BOO.	
	(q) RTK supported	UAV should have RTK supporting hardware and software	To be physically checked and verified by BOO.	
	(r) GCS Controlled LED light Night Recovery Beacon (Optional – Laser Pointer/ illuminating focus light)	Yes	To be physically checked and verified by BOO.	
	(s) Operational Altitude for the whole system	0 to 4500 meters	Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(t) Operational Altitude for the Un-Tethered UAV	Minimum Operational Altitude: 1000 meters AGL (Above Ground Level) or more In Un-Tethered Mode	To be physically checked and verified by BOO.	
	(u) Operational Temperature and Climatic Conditions	(a) Range: -20^0 to $+ 55^0$ C (b) Ability to withstand dust, drizzle and humid conditions	(a) Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab. (b) To be physically checked and verified by BOO.	
	(v) Fail safe	Automatic return to home & landing (a) Under low battery condition and power failure (b) Under communication failure	To be physically checked and verified by BOO.	

S/No.	Parameter	Desired Result	Trial directives	Remarks
		(c) Under GPS failure (d) Should support power line failure/ Generator failure and seamless switching to backup battery (e) High wind and high temperature indication		
	(w) GNSS Capability	GPS, GLONASS, Galileo, Beidou, NAVIC	Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(x) Follow Me Mode	UAV Should Follow The Vehicle As It Moves To Cover Larger Areas For Surveillance. As the vehicle moves, UAV should follow in the direction and speed of vehicle at a max speed of 30km/hr or more.	To be physically checked and verified by BOO.	
	(y) Redundancy	On board Redundancy for Tether Failure	To be physically checked and verified by BOO.	
3.	**Payload**			
	(a) EO/ IR Camera	(a) Integrated EO Camera for day and Night Camera for night with multiple GNSS, DMC and LRF (b) Gyro Stabilised (c) Locking and auto tracking of the selected target in the video imagery.	(a) To be physically checked and verified by BOO. (b) Firm will submit OEM certificate. (c) To be physically checked and verified by BOO.	
	(b) DRI/ Operating Range (For Human)	Day: Detection - 5000 meters Recognition – 3000 meters Identification – 1000 meters Night: Detection – 2500 meters Recognition – 1500 meters Identification – 800 meters	To be physically checked and verified by BOO.	
	(c) Resolution	(a) Day – 4K, 3840 x 2160 Pixels or better	Firm will submit certificate	

S/No.	Parameter	Desired Result	Trial directives	Remarks
		(b) Night - 720 x 576 Pixels or better	of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(d) Zoom	(a) Day- Digital zoom- 4X or more Optical zoom- 50X or more (b) Night- Digital zoom- 4X or more Optical Zoom- 10X or more	Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(e) Black/ White Hot Modes or more templates for night camera	Shall Have Black/ White Hot Modes or More Templates for Night Camera	To be physically checked and verified by BOO.	
	(f) FOV	≤ 5° (Narrow) to 45° (Wide)	Firm will submit OEM certificate. - BOO to cross check trial results with footage provided by vendor & report correctness/ discrepancy	
	(g) Traverse and Tilt	(a) 360° Pan (b) 120° Tilt up and down	To be physically checked and verified by BOO.	
	(h) Stability	(a) Gimbal stabilized (b) Video Output quality should be free from vibration of Aerial Vehicle	To be physically checked and verified by BOO.	
4.	**Ground Control Station**			
	(a) Video	Should be able to stream live video from UAV camera	To be physically checked and verified by BOO.	
	(b) Rugged and Robust.	Yes	To be physically checked and verified by BOO.	
	(c) Processor	Intel core i9, 14th generation processor or better	To be physically checked and verified by BOO.	
	(d) Mil-STD 810G or better	Yes	Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(e) Screen and Keyboard	Anti-glare, sun light readable (1000 Nits or better), Touch Screen 15", 4K Display or better with IP 67 rating or better	Firm will submit OEM certificate.	

S/No.	Parameter	Desired Result	Trial directives	Remarks
	(f) Should be able to overlap ground data with Geo-Spatial data	Yes	To be physically checked and verified by BOO.	
	(g) Ability to take screenshots, record and instant playback	Yes	To be physically checked and verified by BOO.	
	(h) Storage and RAM	1 TB Digital Mass Storage with 16 GB RAM or better	To be physically checked and verified by BOO.	
	(i) Interface and Data Portability	Availability of USB, HDMI, Ethernet (10/100/1000), IEEE, 1394A and wireless connectivity ports for transfer/ exchange of data	To be physically checked and verified by BOO.	
	(j) SDI/ APK interface for Integration with command and control centre	Should support integration with Command and control centre and OEM should provide necessary SDI/ APK permissions for the same.	Firm will submit OEM certificate.	
	(k) Capability to store Flight Routes and Waypoint Configuration	Capacity to store 100 or more flight routes with 70 way point configuration in each route	To be physically checked and verified by BOO.	
	(l) Full Camera Control	Yes	To be physically checked and verified by BOO.	
	(m) Pan/ Tilt	Yes	To be physically checked and verified by BOO.	
	(n) Zoom In/ Out	Yes	To be physically checked and verified by BOO.	
	(o) Altitude Control	Yes	To be physically checked and verified by BOO.	
	(p) Locking and Tracking Of Target	Yes		
	(q) LRF (Laser Range Finder) Control	Yes	To be physically checked and verified by BOO.	
6.	**Capability**			
	(a) Geographical map along with UAV location	Yes	To be physically checked and verified by BOO.	
	(b) Transmit control commands to UAV	Yes	To be physically checked and verified by BOO.	
	(c) Receive UAV flight and propulsion parameters	Yes	To be physically checked	

S/No.	Parameter	Desired Result	Trial directives	Remarks
			and verified by BOO.	
	(d) Receive, Display and Record real time day & night video from AV	Yes	To be physically checked and verified by BOO.	
	(e) Capability to control UAV while on the move	Yes	To be physically checked and verified by BOO.	
7.	**Software**			
	User friendly software with at least following mission information (a) Target coordinates (b) GPS Accuracy ± 1 meters (c) UAV Position and distance from GCS (d) UAV operating data (e) Wind speed (f) Mission time (g) Payload looking angle (h) Communication link status (i) GPS status (j) Battery status (k) Auto tracking (l) Geographic map and real time video should be displayed at all times during the flight (m) Provision to switch between 2D/ 3D views through a single click/ button (n) Capability to zoom/ tilt/ rotate 3D maps (o) Geographical map and real time video views should be resizable and switchable to allow user to switch between big map/ small video and small map/ big video views through a single click/ button input	Should be able to perform and display all the characteristics.	To be physically checked and verified by BOO.	
8.	**Map Format**			
	(a) Capacity to integrate all kind of Geo-Referenced Raster Maps in commonly used digital formats (GIF,TIFF,DTED & SRTM etc)	Yes	Firm will submit OEM certificate.	
	(b) Compatibility to integrate Google Map and download map of specific location	Yes	To be physically checked and verified by BOO.	
9.	**Communication Link**			
	(a) Secure, between Aerial Vehicle and Ground Control Station with minimum 256-bit encryption in tethered mode.	Yes	To be physically checked and verified by BOO. and	

S/No.	Parameter	Desired Result	Trial directives	Remarks
			Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(b) Operable S-band and C-band frequency for uplink and downlink preferably on license free band i.e 2.4 or 5.8GHz or any other band as per user requirement.	Yes	To be physically checked and verified by BOO. and Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(c) Transmit control commands from GCS to UAV	Yes	To be physically checked and verified by BOO.	
	(d) Transmit parameter of UAV and Payloads to GCS	Yes	To be physically checked and verified by BOO.	
	(e) Transmit day and night video from UAV to GCS.	Yes	To be physically checked and verified by BOO.	
	(f) Jam Proof Communication (Desirable) in case of tethered mode.	Yes	To be physically checked and verified by BOO. OR Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
	(g) Non ISM band	Optional	Firm will submit certificate of Govt. lab. or DRDO or NABL/ ILAC accredited lab.	
10.	**Payload Control**			
	(a) Selection and switch on/ off of payload	Yes	To be physically checked and verified by BOO.	
	(b) Pan/ Tilt/ Zoom Control	Yes	To be physically checked and verified by BOO.	
11.	**Video**			
	(a) Video should be recorded in any commonly portable video formats (AVI/MPEG/MP4 etc)	Yes	To be physically checked and verified by BOO.	
	(b) Video of the full flight should be recorded	Yes	To be physically checked	

S/No.	Parameter	Desired Result	Trial directives	Remarks
			and verified by BOO.	
	(c) Should have capability to take image snapshots at any time during flight	Yes	To be physically checked and verified by BOO.	
12.	**Tethering Power Base Station, Tether Cable And Battery**			
	(a) Mobility	Should be mounted on a 4X4 vehicle with all elements of tethered UAV along with Generator Set	To be physically checked and verified by BOO.	
	(b) Input Voltage	100 to 270V	To be physically checked and verified by BOO.	
	(c) Generator Set: 2 Nos	Each Generator set shall be able to run the complete system for not less than 12 hours i.e. complete system shall run for 24 hours non-stop on both the generator sets.	To be physically checked and verified by BOO.	
	(d) Battery/ Number of batteries/ Battery Life	Li-Po Battery for UAV to fly in Un-Tethered mode. **Spare Battery:** Total 4 Spare Batteries/ Batteries Set shall be provided (2 battery/ battery set each for 1 UAV) **Battery Life:** 3 Years or 1000 charging cycles whichever is earlier	To be physically checked and verified by BOO.	
	(e) Wire Winch System	Automatic cable winding and unwinding	To be physically checked and verified by BOO.	
	(f) Display	Parameters such as Output/ Input voltage should be displayed	To be physically checked and verified by BOO.	
	(g) Ventilation System	Should have ventilation cooling system to avoid system overheating	To be physically checked and verified by BOO.	
	(h) Length	200 meters or more	To be physically checked and verified by BOO.	
	(i) Tensile Strength	50 Kilograms or more	To be physically checked and verified by BOO.	
	(j) Insulating Covering	Should be of insulating material to avoid electrical shock	To be physically checked and verified by BOO.	
13.	**Pre - flight checks**			
	Self-test of AV system, Output	go/ no go	To be physically checked and verified by BOO.	
14	EM shielding of System and Sub-Systems including power cable and tethering cable.	The complete system should be EM shielded.	To be physically checked and verified by BOO.	

S/No.	Parameter	Desired Result	Trial directives	Remarks
			AND Firm will also submit OEM certificate.	
15.	**Miscellaneous Terms**			
	(a) Comprehensive Warranty including applicable Taxes and Duties	2 Years on site from the date of JRI	Firm will submit OEM certificate.	
	(b) Total Technical life	5 Years or 20,000 hours whichever is earlier	Firm will submit OEM certificate.	
	(c) Product support after warranty	5 Years comprehensive on site AMC including additional MRLS, taxes and duties Training of operators @minimum 5 per UAV Software: Auto update facility	Firm will submit OEM certificate.	
16.	**Accessories**			
	(a) Manuals (User, Technical, Maintenance)	Yes (01)	To be physically checked and verified by BOO.	
	(b) Field Repair Kit	Yes (01)	To be physically checked and verified by BOO.	
	(c) Spare Landing Gear Sets	One (01)	To be physically checked and verified by BOO.	

तकनीकी विशेषज्ञों के उप समूह द्वारा यह निश्चित किया गया है कि उक्त गुणातमक आवश्यकता को अधिक बेहतर बनाने के लिए गृह मंत्रालय एवं सीमा सुरक्षा बल की वैबसाईट पर विकेताओं/फर्मों के सुझाव प्राप्त करने हेतु 15 दिन के लिए अपलोड किया जाए।

नोट – सभी विकताओं/फर्मों से निवेदन है कि अपने सुझावों के साथ निम्नलिखित कागजात संलग्न कर ई–मेल पता comdtord@bsf.nic.in पर भेजने का श्रम करें:–

1. उत्पाद की वास्तविक विवरण पुस्तिका।
2. उत्पाद की साहित्यिक रचना का ब्यौरा।
3. गुणातमक आवश्यकताओं के उपर व्यापक टिप्पणीयॉ।

27/01/2025

(दिगेन्द्र सिंह पँवार)
उप कमांडेण्ट (आधुनिकीकर)