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No. B.V-7-C/2025-26-C(SAT-Phone)-QR CELL

Dated, the 21 Jan'2026

Subject: - REQUEST FOR COMMENTS OF STAKEHOLDERS /OEM/FIRMS ON DRAFT QRs & TDs OF “HAND-HELD SATELLITE PHONE” REGARDING.

The Draft QRs/TDs of “**Hand-Held Satellite Phone**” 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 product against each parameter. Only complied or not complied remarks will not be accepted. The firms are also requested to furnish the following details: -

- Whether you are OEM/Vendor?
- If vendor, details of OEM required.
- Authorization certificate from OEM.

2. The required information/details may please be forwarded at the following addresses by 05 February'2026.

Communication Directorate, CRPF
East Block-7, Sec-1, R.K. Puram, New Delhi-110066
Email: comncell@crpf.gov.in

3. An early response is requested.

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21/12/2025*
(Megh Raj)
DIG (Equipment)
Communication & IT Branch
Directorate General, CRPF

DRAFT QRs /TDs OF HAND-HELD SATELLITE PHONE

SNO	PARAMETERS	SPECIFICATIONS	TRIAL DIRECTIVES
1	General		
a	Size	Should be less than- Length :7-inch, Width 2.5 Inch, Depth: 2.0 inch	Board will check practically
b	Weight	Less than 325 Grams including battery	Board will check practically
c	Water and Dust ingress protection	IP 65 or better	Firm will provide Govt Lab /NABL accredited/ILAC lab certificate
d	Antenna characteristics	0° to 90° in elevation Omni-Directional in Azimuth	Board will check practically
e	Operating temp range	-20°C to +55 °C	Firm will provide Govt Lab /NABL accredited/ILAC lab certificate
f	Storage temp Range	-20°C to +70 °C	Firm will provide Govt Lab /NABL accredited/ILAC lab certificate
g	Charging temp range	0°C to +55°C	Firm will provide Govt Lab /NABL accredited/ILAC lab certificate
h	Humidity Tolerance	95% non-condensing@ 40 C°	Firm will provide Govt Lab /NABL accredited/ILAC lab certificate
2	Services		
a	Voice capability	Voice-2.4 kbps or better	Firm will provide OEM Certificate
b	Supplementary voice services	Call history, Caller ID, Call waiting, Call divert, Call holding, Conferencing, Call barring, Speed dialing, Fixed number dialing	Board will check practically
c	Messaging Services	160-character text -to-text and text -to-mail or better	Board will check practically
d	Operational Time	The satellite phone should be fully operational within 3 minutes.	Board will check practically and Firm will provide OEM Certificate
e	Area of operation	The satellite phone should be able to operate in entire Indian territory round the clock including hilly, rough terrain, thick forest and all high-altitude areas.	Firm will provide OEM certificate
g	Interface	1. Micro USB/ USB Type C 2. Audio interface/ 3.5 mm headset jack 3. Antenna Port 4. Blue tooth	Board will check practically
h	Display	Minimum 1.8-inch size, High Visibility color screen	Board will check practically

i	GPS Features	Should view current position and able to send as text/email to others	Board will check practically
3	Battery		
	Type Talk Time Stand By Time	Lithium-Ion or better technology More than 6 hours More than 150 hours BMS Should note be programmed to restrict use of battery after completion of life cycle.	Board will check practically and firm will provide certificate
4	Others Features:		
a	Features	Minimum features: -Tracking, assistance button, eCompass for enhance pointing, alarm, Microphone muting, Integrated speakerphone, two-way SMS and short email, Selectable ring and alert tones	Board will check practically
b	O/S compatibility	Windows 10/ equivalent version or higher	Board will check practically and firm will provide OEM certificate in this regard
c	Security	At the keypad, Phone, SIM and network level	Board will check practically
5	Connectivity	During tendering the vendors will specify how they are going to provide Satellite communication service. They will also specify terms and conditions and vendors will have to provide end to end connectivity	Firm will provide certificate
6	Accessories	<ul style="list-style-type: none"> -One spare battery as operational reserve - Mains universal AC charger -Car charger 10-30 volt -PC/power bank charger micro USB/type -C cable -Wired hands-free headset (optional) -Quick start Guide, Support CD -Custom made Pelican Cases - Carry case, wrist strap -Bluetooth headset/mic (Optional) -Light weight Solar charger of appropriate power output to charge the battery within 4 to 5 hours (Optional) - Docking Unit (Optional) 	Board will check practically