

GOVERNMENT OF INDIA
(Ministry of Home Affairs)
Communication & IT Directorate
CENTRAL RESERVE POLICE FORCE
EAST BLOCK-7, SEC-1, R.K. PURAM, NEW DELHI-110066
(Tele/Fax No-011-26107493, Email-Id: comncell@crpf.gov.in)

No. B.V-7-C/2025-26-C(HHST)-Q

Dated, the 3 June'2025

Subject: - REQUEST FOR COMMENTS OF STAKEHOLDERS /OEM/FIRMS ON DRAFT QRS & TDS OF "Hand held Satellite Tracker (Advanced Version) with mobile phone"


1. The Draft QRs/TDs of "**Hand held Satellite Tracker (Advanced Version) with mobile 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 system 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.
- Authorization certificate from OEM.

2. The required information/details may please be forwarded at the following addresses by 18th June'2025.

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.


{Dinesh. S.A, AC (QRs)}
For DIG (Equipment)
Communication & IT Branch
Directorate General, C R P F

Draft QRs of Hand held Satellite Tracker (Advance Version) with Mobile Phone .

S.No	Parameters	Draft QRs/TDs	Trial Directives
1.	General	i. System should have automated GPS reporting.	BOO will check practically
		ii. Provision of tracking, messaging of minimum 60 characters and alerting.	BOO will check practically
		iii. Provision of locating nearby satellite trackers position in mobile app.	BOO will check practically
		iv. Position of creation predefined message and personnel address book for tracker.	BOO will check practically
		v. Tracker should be able to pair with mobile phone.	BOO will check practically
		vi. Battery status of satellite tracker should display in paired mobile phone.	BOO will check practically
2.	Technical		
a)	Dimension	Handheld	BOO will check physically
b)	Display	Should be available (as per use requirement)	BOO will check physically
c)	Interface	i) Communication port ii) Docking port for future expansion (Optional)	BOO will check physically
d)	Weight of equipment	≤ 500 Grams including battery without mobile phone	BOO will check physically
e)	Type of Battery	Rechargeable Battery	BOO will check physically
f)	Back Up of Battery	Minimum 15 hours with 2 minutes reporting interval.	BOO will check physically
g)	Charging	AC adopter with USB Charging Interface	BOO will check physically
h)	Terminal to Terminal Communication	Should be through satellite link	BOO will check physically
i)	Alert notification	Exchange Predefined SMS to Mobile phone ,E-mail to any assigned email address & Mobile phone number	BOO will check physically
j)	Waypoints	Provision of storing way point	BOO will check physically

k)	Delay time	Delay time should not be more than 10 seconds at 2 Mbps speed internet connection	BOO will check physically
l)	Area of operation	Satellite Tracker System Should be able to operate in entire Indian Territory	Firm will submit OEM certificate
3.	Environmental standards		
a)	Water and Dust ingress Protection	IP 65 or better	BOO will check practically and Firm will submit certificate of Govt. Lab /ILAC NABL accredited laboratory.
b)	Operating Temperature	-10 ° C To + 55 ° C or as per user requirement	BOO will check practically and Firm will submit certificate of Govt. Lab /ILAC NABL accredited laboratory.
c)	Storage Temperature	-40 ° C To + 60 ° C	BOO will check practically and Firm will submit certificate of Govt. Lab /ILAC NABL accredited laboratory.
d)	Humidity	95% @ 40°C	BOO will check practically and Firm will submit certificate of Govt. Lab /ILAC NABL accredited laboratory.
e)	Drop	Survives at 1.5 Meter drop	BOO will check practically and Firm will submit certificate of Govt. Lab /ILAC NABL accredited laboratory.
4	Connectivity	During tendering the vendors will specify how they are going to provide Satellite communication service to the Satellite Trackers System.	Firm will submit OEM certificate
5	Mobile Phone (Optional)		
a)	Processor	≥2.8 Ghz or Better	Firm will submit OEM certificate
b)	RAM	≥ 8 GB or Better	Firm will submit OEM certificate
c)	Operating System	COTS (Commercial Off The Shelf) Operating System or any other better OS (As per user requirement)	Firm will submit OEM certificate
d)	Internal Storage	≥ 256 GB or Better	Firm will submit OEM certificate

e)	Expandable Storage (Optional)	Micro SD card slot must be available	BOO will check practically.
f)	Display	5 inches or more as per user requirement	BOO will check practically.
g)	GPS	Should be available	BOO will check practically.
h)	Bluetooth	Should be available (As per User requirement)	BOO will check practically.
i)	Wi-Fi	Should be available (As per User requirement)	BOO will check practically.
j)	Battery	≥5000 mAh or more	Firm will submit OEM certificate
k)	Dust & Water proof	IP67 or better	Firm will submit certificate of Govt. Lab or NABL/ILAC accredited laboratory
l)	Casing	As per requirement	BOO will check practically
6.	Web based applications should be available with following feature :-		
a)	Easy to use web based applications that provide base / control centers with visibility of remotes “out in Fields” individuals from any PC and Mobile Phone.		BOO will check practically
b)	SOS alert: Display live on the Map		BOO will check practically
c)	Tracking path: Each tracker path display with different color		BOO will check practically
d)	Fleet management: Should be configured by user		BOO will check practically
e)	Delivers automated alerts based on multiple geo-fencing Options, checkpoints and route deviation.		BOO will check practically
f)	Provision to reset, disable and configure terminal remotely by command from central site.		BOO will check practically
7	Miscellaneous		
a)	02 years warranty for tracker and mobile phone		Firm will submit OEM certificate
b)	05 years service support beyond warranty period		Firm will provide undertaking in this regard.
c)	Assurance of satellite service for 7 years.		Firm should submit certificate from Satellite service provider