



DIRECTORATE GENERAL, CRPF
EAST BLOCK-7, SECTOR-1, R.K PURAM, NEW DELHI-66
e-mail : digeqpt@crpf.gov.in Tele No. 011-26109038



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

Dated, the 28 Aug'2025

To

1. The DsG: AR, BSF, CISF, ITBP, NSG, SSB and BPR&D
2. Director, DCPW

Subject: QRs/TDs OF "HAND-HELD SATELLITE TRACKER" REGARDING.

I am directed to refer to the subject mentioned above and to say that the QRs/TDs of "**Hand-Held Satellite Tracker**" have been approved by the DG CRPF after due deliberations as per recommendations of CAPF's sub-group of technical experts and experts from DCPW.

2. QRs/TDs of "**Hand-Held Satellite Tracker (Advanced Version) With Mobile Phone**" forwarded earlier vide letter No. B.V-7/2018-19-C(HHST) dated 27/08/2018 stand rescinded.

This is for favour of information and further needful action please.

Encl:-As above

(Megh Raj)

DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

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

Dated, the 28 Aug'2025

Copy to:-

1. Mr. Deepak Kumar, Technical Director, North block, MHA (e-mail ID: deepakg@gov.in) with request to upload the QRs/TDs of "Hand-Held Satellite Tracker" on MHA website and QRs/TDs of "Hand-Held Satellite Tracker (Advanced Version) With Mobile Phone" forwarded earlier vide letter No. B.V-7/2018-19-C(HHST) dated 27/08/2018 stand rescinded please.

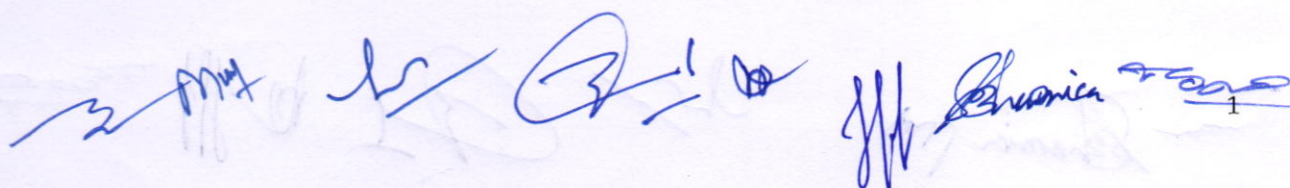
Encl:-As above

(Megh Raj)

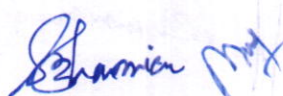



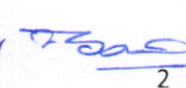
DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

QRs/TDs of Hand-Held Satellite Tracker

S.No	Parameters	Specifications	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 tracker device/ mobile device.	BOO will check practically
		iv. Provision of creation predefined message and personnel address book for tracker.	BOO will check practically
		v. Battery status of satellite tracker should be displayed on tracker if stand alone and on mobile if paired	BOO will check practically
2.	Technical		
a)	Type of Equipment	Handheld	BOO will check physically
b)	Display	Should be available on Tracker/Mobile Phone	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 with 2 minutes reporting interval	Minimum 15 hours	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 and E-mail to any assigned email address & Mobile phone number	BOO will check physically



S.No	Parameters	Specifications	Trial Directives
j)	Provision of storing Way points	Should be available	BOO will check physically
k)	Delay time for data transfer at 2 Mbps speed internet connection	Should not be more than 10 seconds	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 67 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 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

S.No	Parameters	Specifications	Trial Directives
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	BOO will check practically.
i)	Wi-Fi	Should be available	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	Required/Not required	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

[Handwritten signatures and initials in blue ink]

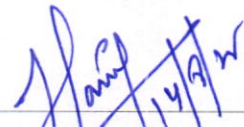
S.No	Parameters/Specifications	Trial Directives
7	Miscellaneous	
a)	02 years warranty for complete equipment including battery	Firm will submit OEM certificate
b)	05 years service support beyond warranty period	Firm will provide undertaking in this regard.
c)	Undertaking of satellite service for 7 years.	Firm should submit certificate from Satellite service provider



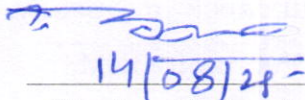
(Nb/Sub Mohinder Singh)
Assam Rifles



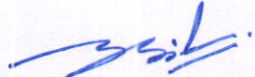
(AC III M.K. Singh)
NSG



(Hanif Choudhury)
AC(Exe), CISF



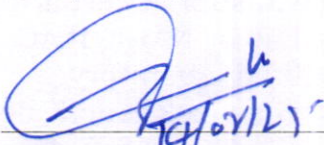
(Sanjay Mathur)
AC(Comn), SSB



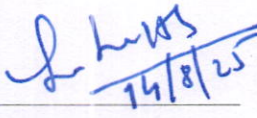
(Ujjwal Kumar Singh)
AC(QR), CRPF



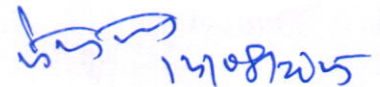
(Sibub Prasad Bhowmick)
AC, ITBP



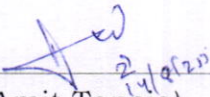
(Chandra Prakash)
DC, BSF



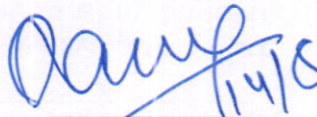
(H.S. Srihari)
DD, DCPW



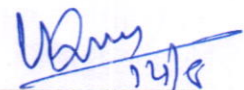
(Megh Raj)
DIG (Eqpt), CRPF



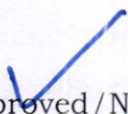
(Amit Taneja)
DIG (Comn), CRPF



(Vijay Kumar)
IG (Comn & IT), CRPF



(Vitul Kumar, IPS)
SDG (OPS), CRPF

 Approved / Not Approved



(Gyanendra Pratap Singh, IPS)
DG, CRPF