

Directorate General, C.R.P.F

Block No.1, CGO Complex, Lodhi Road, New Delhi
(Ministry of Home Affairs/ Grih Mantralaya)
(Tele No.011-24369587/Fax No.011-24360155)

No. M.V-1/2021-22-Prov-Ord-II (VMG) Dated, the 17 July, 2021.

To

Mrs. Sugandhi,
Technical Director, NIC
North Block, New Delhi
Email: mpsugandhi@nic.in

Subject: - Regarding Procurement of Vehicle Mounted GPR" on CRPF.

Please find enclosed "Expression of Interest (EOI)" and the specification of "**Vehicle Mounted GPR**".

02 Request to publish the enclosed page on MHA Website in tender's page for a period of 30 days to ascertain the eligible firms who are manufacturing Vehicle Mounted GPR in India. The interested vendors/OEMs will send their comments on the following address/route:-

Through Mail	dcordnance@crpf.gov.in
Through Fax	011-24360155
By Hand	Room No. 007, Ground Floor, Block No. 01, Directorate General, CRPF, Lodhi Road, New Delhi-03

03. An early action in this regard is highly appreciated.

Encl:- Encl :- 1) EOI.-01 Page


(Partha Sarathi Sahoo)
Dy. Comdt (Ord)
For DIG (Ord) CRPF

No. M.V-1/2021-22-Prov-Ord-II (VMG) Dated, the July, 2021.

Copy forwarded to:-

SI (IT), North Block for necessary action please. (son@nic.in)


(Partha Sarathi Sahoo)
Dy. Comdt (Ord)
For DIG (Ord) CRPF

N.O.O.

EXPRESSION OF INTEREST

Menace of IEDs buried under ground in LWE affected states is the greatest challenge faced by CRPF at present. To counter this threat, early detection is the only available solution.

02. IEDs being composed of Non-Metallic Components, it becomes difficult to be detected by DSMD. Hence the need was felt for procurement of Vehicle Based Ground Penetrating Radar for detection of IEDs buried under the ground .

03. In view of above, CRPF is in the Process of procurement of "Vehicle Mounted GPR" with specification as attached as appendix "A".

04. The Firms/Vendors who are manufacturing the equipment in India or can provide the equipment in India are requested to Express their Interest through mail within 30 days for Demonstration/Presentation of the product on NCNC basis at CRPF HQR New Delhi.

Contact person:

Shri Partha Sarathi
DC(Ord) Dte.Genl,
CRPF, New Delhi
PH/FAX: 011-24360155
Email: dcordnance@crpf.gov.in

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DRAFT SPECIFICATIONS FOR GROUND PENETRATION RADAR FOR THE CRPF

Sr.No	Requirement	Discussion	Remarks
1.	Target Types	Metallic & Non-Metallic IEDs, wires, Anti-personal Mines, Anti-vehicle Mines. Pressure plates. (i.e all targets presented at preliminary site survey-Pune April'2019)	Ok
2.	Detection Depth (Metallic & Non-Metallic)	Anti-Personal Mines: 5 cm 200 L Barrels: 100 Cm (minimum)	Ok 30 Kg up to 100 Cm Width of 2.5 M
3.	Real-time operations	Provide and display GPR data in real-time to operator	Ok
4.	Driving detection speed	*up to 12 Km/h (CON/OPS to be discussed-stopping speed)	12 KM/hr non stop in case of detection, physical marking the threat if possible, electronic marking by GPS location map
5.	Ground Offset/Stand-off	* (as required for operations (soil types/terrain)	20-25 Cm
6.	Distance from vehicle	* minimum for required for stopping at operational speed	Minimum/optional (maximum 1 mtr)
7.	Personal for operation	1 x Driver, 1 x Operator	Ok
8.	Display for operator	* GIS map, BIT, Other sensors, mission plan, ... Built in Test	Ok
9.	Connection to C2	* (Optional) communication type, data link, interference	Optional
10.	Change detection	* (optional and recommended)	Ok
11.	Ability to integrate with other sensors	* (optional) metal detector, cameras, RF Jammer, RF Scanner	i) Down looking camera is required. ii) RF Jammer to be supplied by ELTA and integrated iii) ADS-Gpix cameras for 1 st pro type for evaluation iv) metal detector optional
12.	Communication	* (optional) GFE	Ok
13.	Detection Mark	* On map, On Path	Both
14.	Robotic capability	* (optional) preferably yes	Optional
15.	Vehicles integration	*Brakes on detection, constant speed/cruise control, maneuvering, AC....	Cruise control of low speed required. Brakes on detection - optional
16.	ATR & Alarms	* Siren, Beeps, flashing lights, C2, GFE)	Ok, Sound/Beep and flashing light required. C2- Optional
17.	Environmental	*Temp range, dust, Humidity, Rain, Vibration, Soil Types (Non-Saturated/semi dry)	-10° to 50° C (operating temperature) IP 65° continues
18.	Electric	*DC, V/A, Stabilizers, Protection, minimum operation time	Minimum continuous operational time - 10 hours
19.	Mechanical Arm	*Static/pneumatic, building issues, maintenance issues, operational issues	Optional

- > ADS - Above detection system
- > GFR - Govt. furnished equipment
- > BIT - Built in Test.