



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Reference No. 2022-23/69 PR No. 1000028876 (Rfx No. 6100001393)

Detailed Technical Specifications for Hand Held Mapping GPS Unit - Windows/Android based:

Sr.	Description	Proposed Specifications
1	Operating system	Windows Mobile 6.0 or higher, Or Android 8.0 or higher
2	Processor	533 MHz Processor or Higher
3	Memory	4 GB RAM, 64 GB or More inbuilt flash Memory, Must have micro SD memory card slot, SD card 64 GB or more shall be provided
4	Display	6.0-inch LED backlight screen with capacitive multi touch
5	Signal Capability	Integrated high sensitivity GPS /SBAS receiver and antenna
6	Number of Channels	72 Channels with GPS, Glonass, Beidou, SBAS
7	Power Supply	Internally rechargeable and removable Li-Ion battery with 12 hours or better performance, Battery with Charger shall be provided
8	Accuracy	2 to 5 meter in real time SBAS correction
9	Communication	DATA input/ output via USB, Data downloading USB cable shall be provided.
10	GPS Software Specifications	Inbuilt OEM operating software showing maps and data collected.
		Efficient field data collection of features in three modes: Point, Line and Area Feature
		Quick navigation to features or waypoints Read/write support for Esri Shape files as Background
		The instrument should be compatible with the existing Trimble-Pathfinder Office Software
11	IP Rating	IP 67 or better
12	Cellular	Integrated 4G Cellular Data, Text, and Voice capability, Integrated Speaker, and Microphone

13	Other Specifications (ATC)	<p>(i) All necessary accessories for data collection and data processing should be supplied.</p> <p>(ii) Supplier should have fully functional ISO certified servicing laboratory in the state of Maharashtra.</p> <p>(iii) Supplier should have supplied atleast one same instrument to other reputed R&D institutes.</p> <p>(iv) Performance certificate of the same instrument from other reputed R&D institutes supplied during last five years shall be attached, failing which bid will not be considered. (atleast one)</p> <p>(v) During instrument failure situation, supplier should be responsible for transport of instrument (To and fro from IIT Bombay) for repairs throughout the life of instrument. After completion of repairs, instrument should be returned within 10 days from the date of receipt of instrument.</p> <p>(vi) If the instrument is with supplier for repair purpose, supplier should arrange another similar instrument in place of original instrument till return of original instrument after completion of repairs.</p>
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Warranty: 1 year from the date of Installation.