


CORRIGENDUM TO NOTIFICATION No. CE&NO/SPMU-DRIP/LAB EQUIPMENTS/2022-23/18

Dated: 25/10/2022 TECHNICAL SPECIFICATION FOR MULTI-FREQUENCY DGPS SYSTEM

S.NO	ITEM DESCRIPTION	PARAMETERS SHALL BE READ AS BELOW	
1	GNSS Receiver	Should be ultra-rugged alloy housing and integrated one with Multi frequency GNSS systems	
2	TECHNOLOGY	1. 7G GNSS-CENTRIC	
3	Satellite Signals Tracking and Recording	GPS L1, L2, L5 GLONASS L1, L2, L3 Beidou QZSS Galileo IRNSS L5 L Band	
4	SBAS Corrections	GAGAN	
5	No. of Channels	672 or more	
6	Data Logging Rate	20 Hz or better	
7	Static Accuracy	Horizontal Vertical	
		3mm+0.1ppm RMS 3.5mm+0.4ppm RMS	
8	RTK Accuracy	Horizontal Vertical	
		8mm+1ppm RMS 15mm+1ppm RMS	
9	Initialization Time	< 8 Seconds	
10	Receiver Memory	Memory 4 GB Internal	
11	Display	LED Indicator	
12	Temperature	Operating Storage	
		-30 °C to +65 °C -40 °C. to +75 °C.	
13	Humidity	100%, Condensing	
14	Ingress Protection	IP68	
15	Communication	1 Serial/Power Port/External Radio Modem Port in single housing, Integrated Bluetooth & Wi-Fi	
16	RTK Mode	Internal Radio up to 2W (GSM/GPRS Through External Modem)	
17	Data format	NMEA 0183, RTCM 3.2, RTCM 3.1, CMR & CMR+	
18	Battery backup	11 hrs Li-ion Hot Swappable Dual battery	
19	Tilted compensation	IMU Based <30°	
20	Controller	Display	5" Touch screen or more
		Keypad	Full alphanumeric hard keypad
		Operating system	Android 10
		Communication	Bluetooth, Wi-Fi & USB
		Memory	4GB RAM and 64GB inbuilt Storage
		Ingress Protection	Waterproof with IP65
		Operating Temperature	-30 °C to +60 °C
		Battery	15hrs or more
	Camera	13MP Auto Focus or more	
	Sensor	Integrated GNSS, e-Compass, accelerometer, gyro sensor	
21	Controller Software	Static, Fast Static, RTK., line, polygon, area calculation, satellite view, PDOP, HDOP etc. Graphical Stake Out Feature Coding Active Background maps inform of JPEG/TIFF, DXF/DWG Import Export to industry standard formats like CSV and DXF etc COGO Functionality Calculation of transformation parameters from point list.	

22	Post processing Software	Processing of raw data of GPS L1, L2, L5 & GLONASS
		Import & Export to RINEX Formats
		Import Export to industry standard formats
		Feature coding and automatic drafting. Layer Management.
		Report Generation
		Coordinate System Manager
		Baseline processing
Feature to process static data of single point for control		


Chief Engineer & Nodal Officer, DRIP,
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NOTE:-

1. As per directives of the Government of India, please provide a revised self-declaration certificate of the local content for the item offered and your status as Class-I/Class-II/Non-Local supplier. Self-declaration certificate should quantify the description of the local content (material description), percentage of local content of the offered product and also indicate the location. However, please note that claiming the services such as transportation, insurance, installation & commissioning, training and after sale service support like AMC/CMC etc., shall not be considered as local content as per OM N.P45021/102/2019-BE-II-Part(1) (E- 50310) dated:4/03/2021 issued by Ministry of Commerce and Industry, DPIIT. Wherever the bids are received without accompanying the above said requisite certificate such offers shall be treated as incomplete and not considered.