SN	DGPS DEVICE		Bidder Offer	Page in Catalogue	Deviation if any
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
1	**GPS Specification (Base/Rover)**				
1.1	**GNSS Features**				
	Channels	1590			
	GPS	L1,L1C, L2C, L2P, L5			
	GLONASS	L1C/A, L1P, L2C/A, L2P, L3			
	BDS	BDS-2, B1I, B2I, B3I,BDS-2, B1I,B3I,B1C,B2a,B2b			
	GALILEO	E1, E5A, E5B, E6C, AltBOC			
	SBAS(WAAS/MSAS/EGNOS/GAGAN)	L1			
	IRNSS	L5			
	QZSS	L1,L2C,L5			
	MSS L-Band	BDS-PPP,GALILEO-HAS			
	Positioning output rate	1Hz-20Hz			
1.2	**Positioning Precision**				
	Code differential GNSS	Horizontal:0.25m+1ppmRMS			
		Vertical: 0.50m+1ppmRMS			
	Static(Long observations)	Horizontal:2.5mm+0.1ppmRMS			
		Vertical: 3mm+0.4ppmRMS			
	Static	Horizontal:0.25mm+0.5ppmRMS			
		Vertical: 3.5mm+0.5ppmRMS			
	RTK(UHF)	Horizontal:8mm+1ppmRMS			
		Vertical: 15mm+1ppmRMS			
	RTK range	2-8 km			
1.3	**Hardware Performance**				
	Weight	Below 1.5 Kg			
	Material	Magnesium Aluminum alloy shell			
	Water proof/Dustproof	IP68 standard			
	Power supply	6-28V DC, overvoltage protection			
	Battery	Inbuilt 7.2V 6800mAh rechargeable			
	Battery Life	Minimum 12 hrs			
1.4	**WIFI**				
	Modem	802.11 b/g standard			
	WIFI hotspot	AP mode, Receiver broadcasts its hotspot form web UI accessing with any mobile terminals			

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	WIFI datalink	Client mode, Receiver should transmit and receive correction data stream via WiFi datalink			
1.5	**Communications**				
	I/O Port	5-PIN LEMO external power port + RS232 type C(charge, OTG to USB disk, data transfer with PC pr phone Ethernet)			
	Internal UHF	2W radio, receive and Transmit			
	Frequency range	410-470Mhz			
	Bluetooth	Bluetooth 3.0/4.1			
	NFC Communication	Realizing close range(shorter than 10m) automatic pair between receiver and controller			
1.6	**Data Storage/Transmission**				
	Data Transmission	Play and Plug mode of USB data Transmission, should supports FTP/HTTP data transmission			
	Data Format	Static data format: STH, Rinex2.01, Rinex 3.02 and etc			
	Differential Format	RTCM2.3, RTCM3.0, RTCM3.1, RTCM3.2			
1.7	**Sensors**				
	Electronic bubble	Controller Software should display electronic bubble checking leveling status of the carbon pole in real time			
	IMU	Build-in IMU module, calibration-free and immune to magnetic interference			
	Thermometer	Build-in thermometer sensor, adopting intelligent temperature control technology			
1.8	**User Interaction**				
	Operating System	Linux or windows			
	Buttons	One button			
	Indicators	5LED indicators(satellite, Charging, Power, Datalink, Bluetooth)			
2	**CONTROLLER**				
	Operating System	Minimum Android 11			
	Keyboard	Full Keyboard			
	Battery	Minimum 9200mAH			
	SIM Card slot	Two nano sim			
	USB	Type C support OTG			
	Waterproof/Dustproof	IP67			
	WiFi(WLAN)	IEEE 802.11a/b/g/n, 2.4G/5G			
	Bluetooth	V4.1			
	Flash light	High light Flash LED			
	Gyro	Support			

	NFC	Support			
	G-Sensor	Support			
	Compass	Support			
	GNSS	GPS/GLONASS/BDS/GALILEO/QZSS			
	Shockproof	1.5m			
	Accessories				
	Documentation	Manufacturer Authorization Letter, Manufacturer and bidders ISO Certificate, Warranty Letter for One Year			
	Maintenance Facility	Maintenance Facility: After Sales Maintenance Facility (Lab) within Nepal – The Project team will make visit if required. Photographs of the center with Resume of technician.			
	Experience	Experience of supply of same/similar product i.e: End user letter			
3	**HEAVY DUTY ALUMINUM TRIPOD FOR DGPS**		Bidder Offer	Page in Catalogue	Deviation if any
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
SN		Tripod Specification			
1	Type	Aluminum			
2	Extended	65" (165cm)			
3	Collapsed	42" (107cm)			
4	Clamping Style	Wing Screw			
5	Head Style	5/8-11, FLAT			
6	Documentation	Manufacturer Authorization Letter, Manufacturer Quality assurance certificate			

4	**BIPOD**		Bidder Offer	Page in Catalogue	Deviation if any
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
SN		Bipod Specification			
1	Type	Surveying Bipod			
2	Description	a two-legged stand, typically made of aluminum or carbon fiber, used to support surveying instruments like prism poles, GPS/GNSS antennas, or leveling rods.			

5	TRIBATCH		Bidder Offer	Page in Catalogue	Deviation if any
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
SN		Tribatch Specification			
1	Type	Surveying Tribatch			
2	Description	Instrument used to mount GNSS antennas and other surveying equipment on a tripod			