

TENDER FOR PROCUREMENT OF SURVEY EQUIPMENT

LOT – 4

Echosounder and Differential GPS

Sr. #	Items	Qty	Rate	Tax	Amount	Delivery Time*
1	<p>GNSS Rover GNSS Performance (Static and Fast Static) Horizontal3 mm + 0.5 ppm RMS Vertical5 mm + 0.5 ppm RMS Real Time Extended (precise positioning) Horizontal accuracy2 cm RMS Vertical accuracy5 cm RMS Network RTK Horizontal8 mm + 0.5 ppm RMS Vertical15 mm + 0.5 ppm RMS Positioning rate1 Hz, 10 Hz, 20 Hz Signal Tracking • GPS: L1C/A, L2C, L5 • GLONASS: L1C/A, L2C/A • SBAS: L1C/A, L2C, L5 • Galileo: E1, E5A • BeiDou: B1, B2A • QZSS: L1C/A, L2C, L5 • NavIC (IRNSS): L5 Mechanical Ingress protection levelIP67 (dust proof, rain proof) Drop, shock, & vibrationSurvives 2 m Communications/Connectivity Bluetooth4.2 PortsUSB Data protocolsNTRIP, VRS, RTCM 3.2 MSM, CMRx, DCOL Position outputNMEA (LLH), DCO Battery and Power External power input Power bank, ECT Power Consumption 2.0-2.5 W Android Supported yes Environmental Operating ambient temperature-20 °C to + 60 °C Storage temperature-40 °C to + 70 °C Humidity95% non-condensing</p> <p>Data Collector for GNSS Data Controller with Operating field Software At least 2.2 GHZ Qualcomm Snapdragon 626 processor OS: Android 8.0</p>	02				

	<p>Screen size: At least 6"</p> <p>Storage: At least 4 GB memory and 64 GB internal storage</p> <p>Camera 13MP with autofocus</p> <p>Connectivity: Wi-Fi, Bluetooth, 4.1 and 4G LTE</p> <p>Data output format: CSV, ESRI, Shape file, Jobxml , DXF, Raw data files, KMZ</p> <p>Background google map</p> <p>Accessories</p> <p>All required Slandered accessories including Power bank, Pole, Hand Strap for controller</p>					
2	<p>Echo Logger ECT D052S echo sounder for Drone</p> <p>Echo Logger ECT D052S dual-frequency echo sounder with tilt and temperature sensor.</p> <p>Includes:</p> <ul style="list-style-type: none"> - harness for the drone - stainless steel protective housing - data cable with RS232 interface and connector for SkyHub onboard computer <p>SPH Engineering hardware</p> <ul style="list-style-type: none"> • SkyHub onboard computer hardware • SkyHub smart cable assembly • Radar altimeter for True Terrain Following • Protective box for SkyHub and True Terrain Following kit <p>SPH Engineering software</p> <ul style="list-style-type: none"> • SkyHub software package for Echo Sounder • UgCS EXPERT perpetual license <p>With Complete operating solution.</p> <p>Or Equivalent brand that meets the technical specs</p>	01				

Sealed Quotations are invited from active GST registered firms for the procurement of the following item. The bidders can supply all or any item as per availability, required specifications and quality.

The details of the required equipment are stated below, the bidders can quote for equivalent models:

**After issuance of purchase order.*

TERM & CONDITIONS:

1. Sealed quotations can be submitted on or before June 15, 2024 till 11:00 a.m. along with Rs. 100,000 of bid earnest money in form of pay order/CDR/Bank Draft in the name of National Engineering Services Pakistan (Pvt) Limited. Quotations will be opened on the same date at 11:30 a.m. Pay order of supplier approved by the committee will be retained till completion of supply order. In case of non-compliance of the purchase order, earnest money will be forfeited and purchase order will be treated as cancelled.
2. The bids shall be evaluated as single stage two envelope. The financial bid should be submitted in separate envelope.
3. **Item wise cost will be evaluated, and the procuring agency can accept or reject any item at evaluation stage. The qualified supplier will be declared against each item.**
4. All quoted items should have minimum 2-years comprehensive warranty.
5. The procuring agency reserve the right to disqualify conditional bids.
6. Quotations received without earnest money and after due date and time shall not be entertained
7. The competent authority reserves the right to reject any or all the bids in accordance with Rule 33 of Public Procurement Rule 2004.
8. Supply of said items shall be made within three weeks of issuance of purchase order by NESPAK.
9. No advance payment will be made by NESPAK. Payment will be released within four weeks of supply of approved stock as per purchase order.
10. Sales Tax, income Tax and other Taxes shall be deducted as per Government rules.
11. This tender is available at NESPAK www.nespak.com.pk and PPRA www.ppra.org.pk websites.
12. Interested suppliers must attach GST & NTN certificates (Copies) along with quotation; otherwise quotation will not be entertained.
13. The vender can supply equivalent items subject to its compatibility with existing in hand equipment.