



**GOVERNMENT OF THE PUNJAB  
DIRECTORATE GENERAL MINES & MINERALS, PUNJAB,  
POONCH HOUSE, MULTAN ROAD, LAHORE**

**NOTICE INVITING TENDER**

1. E-Bids on Lot basis are invited from bidders, i.e., firms/companies/sole proprietors/general order service providers, etc., engaged in trading and registered with relevant Registration Authorities and Tax Departments/Authorities (Income Tax, Sales Tax & Punjab Sales Tax, etc.). The bidders should submit E-bids against each lot separately, as contracts will be awarded separately for each lot. The E-bids shall be received as per **(Single Stage Two Envelope)** procedures.

ADP Scheme titled as “ <b>Procurement of Drone Technology for Survey Mapping</b> ” for financial year 2024-25			
Lot No	Equipment	Quantity	Estimated Cost (PKR)
Lot-1	Hardware-Drones	03	13,125,000
Lot-2	Hardware-Workstation Desktop	01	537,000
Lot-3	100 TB Network Attached Storage NAS Device	01	3,750,000

2. The bidders shall submit the original bid security instrument **5%** of the estimated cost under Rule 27 of PPRA 2014, Chapter-V, in an envelope clearly marked with the bidding document number and title in the shape of **CDR/Bank Guarantee/Demand Draft/Pay Order** of any scheduled bank in favor of the **Project Director/ Manager GIS Directorate General, Mines & Minerals, Punjab, Lahore**, before the E-bid submission deadline at **Director General, Mines & Minerals, Punjab, Poonch House, Multan Road, Lahore**.
3. Performance guarantee in the shape of **CDR @ 7%** of the approved rate with the delivery for the items (where applicable) till the expiry of the warranty period.
4. The bidding documents (free of cost) in accordance with Rule **25(1) (2)** containing all terms & conditions, requirements, specifications, etc., can be downloaded online from the **PPRA website** i.e., <http://ppra.punjab.gov.pk> and **EPADS website** i.e., <http://punjab.procure.gov.pk> before the closing date and time. In case of an official holiday on the day of submission, the next day will be treated as the closing date.
5. The complete **E-bids** must be submitted online on the **e-Procurement System (EPADS)** website i.e., <https://punjab.eprocure.gov.pk> as per the following schedule. Late comers will not be allowed to participate.

**Date, Time & Place:** Poonch House, Multan Road, Lahore.

- **E-Bid / Bid Submission Date & Time: 17 March 2025 till 10:30 AM**
- **E-Bid / Bid Opening Date & Time: 17 March 2025 @ 11:00 AM**

**6.** The original **Bid Security instrument** must be submitted in an envelope clearly marked with the **Bidding Document Number and Title**, before the E-bid submission deadline.

**7.** The Tendering process/conditions will be as per **Punjab Procurement Rules, 2014**, Section **38(2)(a)** "Single Stage **Two Envelope**" as explained in **E-Bidding Documents**. The submission of a **technical proposal** for each item in the lot shall be **mandatory** and will be evaluated after e-Bid opening. Financial proposal will be opened of only those bidders who will qualify the technical criteria as illustrated in Bidding Document.

**8.** Parties having valid **Income Tax, Professional Tax, and Sales Tax Registration Certificates** and listed on the **Active Taxpayers List (ATL) of FBR** are eligible to offer bids and other documents as mentioned in tender document. E-Bidding documents must accompany the Technical Bids. Taxes will be deducted as per government rules.

**9.** The bidder should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government (Federal, Provincial), local body, or public sector organization.

**10.** Offers will be effective for **90 days** from the date of opening of tenders.

**11.** Conditional tenders or overwriting in tender documents will not be entertained.

**12.** E-Bid validity will be till the closure of the **Financial Year, i.e., 30.06.2025**.

**13.** Any bidder may participate in a **single lot/package** or multiple lots/packages. All prospective bidders shall be required to **quote the rate** for each/every item in the lot/package. Any item mentioned without quoting a rate shall make the bid **non-responsive**. The lowest evaluated bidder shall be determined based on the **cumulative quoted rate** of the entire lot.

**14.** Bidders are advised to ensure **uploading the Bid on the E-PADS Portal** well before the submission deadline and not wait for the last date and time to upload the bid. **Bid submission on the E-PADS Portal shall entirely be the responsibility of the bidder**. The office of **Directorate General, Mines & Minerals, Punjab, Lahore**, shall not be held responsible for any issues thereof.

**(Rizwan Saqib Bajwa)**  
PROJECT DIRECTOR /MANAGER GIS  
DIRECTORATE GENERAL OF MINES &  
MINERALS, PUNJAB LAHORE  
Ph #04299214855



**GOVERNMENT OF THE PUNJAB**  
**DIRECTORATE GENERAL MINES & MINERALS, PUNJAB, POONCH HOUSE,**  
**MULTAN ROAD, LAHORE**

**PROFORMA TENDER ENQUIRY FOR HARDWARE, ON FREE**  
**DELIVERY TO CONSIGNEE BASIS SCHEDULE INVITATION TO TENDER**  
**BID SHOULD CONTAIN FOLLOWING**

- i. Name of Firm: .....
- ii. Complete Address: .....
- iii. Telephone No./Email: .....
- iv. NTN No. .... Certified copy attached (Yes/No)
- v. G.S.T. No. .... Certified copy attached (Yes/No)
- vi. Professional Tax ..... Certified copy attached (Yes/No)

**TERMS & CONDITIONS**

1. E-Bids on Lot basis are invited from Bidders i.e., firms/companies/sole proprietor/general order Service Providers/ etc. engaged in trading, registered with relevant Registration Authorities and Tax Departments/ Authorities (Income Tax, Sales Tax & Punjab Sales Tax etc.). The bidders should submit E-bids against each Lot separately, as contracts will be awarded separately for each Lot. The E-bids shall be received as per **(Single Stage Two Envelope) procedures**.
2. The bidders shall submit original bid security instrument **5%** of the estimated cost under **Rule 27 of PPRA 2014, Chapter-V** in an envelope clearly marked with bidding document number and title in shape of **CDR/Bank Guarantee/ Demand Draft / Pay Order** of any scheduled bank in favour of the **Project Director/ Manager GIS Directorate General, Mines & Minerals, Punjab, Lahore** before the E-Bid submission deadline at **Directorate General, Mines & Minerals, Punjab, Poonch House, Multan Road, Lahore**.
3. **Performance guaranty** in shape of **CDR @ 7%** of the approved rate with the delivery for the items (where applicable) till the expiry of warranty period.
4. The **bidding documents (free of cost)** in accordance with **Rule 25(1) (2)** containing all terms & conditions, requirements, specifications etc. can be downloaded online from **PPRA website** i.e. <http://ppra.punjab.gov.pk> and **EPADS website** i.e. <http://punjab.procure.gov.pk> before closing date and time. In case of official holiday on the day of submission, next day will be treated as closing date.
5. The complete **E-bids** must be submitted online on **e-Procurement System (EPADS)** website i.e., <https://punjab.eprocure.gov.pk> as per the following schedule. Latecomers will not be allowed to participate:

**Date, Time & Place: Poonch House, Multan Road, Lahore.**

**E-Bid / Bid Submission Date & Time: 17 March, 2025 till 10:30 AM**

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6. Original Bid Security instrument must be submitted in an envelope clearly marked with the Bidding Document Number and Title, before the E-bid Submission deadline.
7. The Tendering process / Conditions will be as per Punjab Procurement Rules, 2014, Section 38(2)(a) "Single Stage "Two Envelope"" as explained in E-Bidding Documents. Technical sample/brochure etc. of each item shall be mandatory, which will be evaluated.
8. Parties having valid Income Tax, Professional Tax and Sales Tax Registration Certificate and on Active Taxpayers List (ATL) of FBR are eligible to offer bid and other documents as mentioned in Tender Document. E-Bidding documents must accompany the Technical Bids. Taxes will be deducted as per Government rules.
9. Bidder should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government (Federal, Provincial) local body or a public sector organization.
10. **KNOCK DOWN CRITERIA FOR TECHNICAL EVALUATION OF THE TENDER**

Sr. No.	Parameters	Detail	Total Marks	Remarks												
1	Past Performance of Supplier for Other Private & Public Institutions including Directorate General of Mines & Minerals.	Major institutions served: <table border="1"> <tr> <td>i</td> <td>No institution served</td> <td>0</td> </tr> <tr> <td>ii</td> <td>1 to 3</td> <td>15</td> </tr> <tr> <td>iii</td> <td>4 to 5</td> <td>20</td> </tr> <tr> <td>iii</td> <td>Above 5</td> <td>25</td> </tr> </table>	i	No institution served	0	ii	1 to 3	15	iii	4 to 5	20	iii	Above 5	25	25	Institutions include government departments and private institutions. The contractor may provide past performance certificate / supply order upto last five year of different institutes.
i	No institution served	0														
ii	1 to 3	15														
iii	4 to 5	20														
iii	Above 5	25														
2	Financial status	<table border="1"> <tr> <td>i</td> <td>Bank Certificate</td> <td>10</td> </tr> <tr> <td>ii.</td> <td>Tax Returns (Last 03 Fiscal Years)</td> <td>10</td> </tr> <tr> <td>iii</td> <td>Professional Tax Latest</td> <td>5</td> </tr> </table>	i	Bank Certificate	10	ii.	Tax Returns (Last 03 Fiscal Years)	10	iii	Professional Tax Latest	5	25	Bank Statements are not required. Bidder can provide more than one Bank certificates The Bank will certify about the Bidder's financial worth & reputation.			
i	Bank Certificate	10														
ii.	Tax Returns (Last 03 Fiscal Years)	10														
iii	Professional Tax Latest	5														

**Total marks: 50**

**Qualifying marks: 35 and above**

**Note:** The firm who will not meet the minimum eligibility criteria will not be considered for financial evaluation.

**11. Technical Evaluation**

The firms who will meet the minimum eligibility criteria will be considered for financial evaluation. The technical evaluation of the bid shall be according to the specification given in the tender.

**12. Financial Evaluation**

The financial bids of technically accepted bidders will be opened publicly at a time to be announced by the Procuring Agency and the financial bids found technically non-responsive shall be returned un-opened to the respective Bidders.

**13. Redressal of Grievances**

The Procuring Agency shall constitute a committee, according to Rule 67 of Punjab Procurements Rules 2014, comprising odd number of persons, with proper powers and authorizations, to address the complaints of bidders that may occur during the procurement process.

Any bidder feeling aggrieved by any act of the Procuring Agency after the submission of their bid may lodge a written complaint concerning his grievances till the award / signing of procurement contract by the Procuring Agency.

- a) The committee shall investigate and decide upon the complaint within fifteen (15) days of the receipt of the complaint but prior to the entry into force of the procurement contract.
- b) Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

**14.** Offers will be effective for 90-days from the date of opening of tenders.

**15.** Conditional tenders or overwriting in tender's documents will not be entertained.

**16.** The items will have to be supplied to the consignee's desired location and payment of transportation uploading/stacking charges will be the responsibility of the supplier.

**17.** The tender documents must be complete in all respects before submission.

**18.** Successful firms/suppliers will be bound to provide the items as per sample in the office of the undersigned with 10 days from the date of issuance of the Supply Order, otherwise the bid security will be confiscated and the firm will be black listed.

**19.** Further information if any can be sought from the office of undersigned during office hours.

**20.** The Competent Authority reserves the right to reject all the bids or proposals at any time prior to the acceptance of a bid or proposal.

21. Payment will be made after the receipt of other items etc. as per sample and specification and clearance of the bill by Accountant General, Punjab.

22. E-Bid validity will be till the closure of Financial Year i.e. 30-06-2025.

23. Any bidder may participate in a single lot/package or may participate in lots/packages. All prospective bidders shall be required to quote rate of each/every item in the package/lot. Any item mentioned without quoting rate shall make the bid non-responsive. The lowest evaluated bidder shall be determined on the cumulative quoted rate of the **entire lot-wise**.

24. Bidders are advised to ensure uploading the Bid on **E-PADS Portal**, well before the submission deadline, and not wait for the last date and time to upload the bid. Bid submission on E-PADS Portal shall entirely be the responsibility of the bidder. Director General, Mines & Minerals, Punjab, Lahore shall not be held responsible for any issues thereof.

**Name & Signature of the Bidder** -----

**Seal of Firm** -----

**Date** -----

**(Rizwan Saqib Bajwa)**  
Project Director /Manager GIS  
DIRECTORATE GENERAL OF MINES &  
MINERALS, PUNJAB LAHORE  
Ph #04299214855

**CERTIFICATE**

- a) We hereby confirm to have carefully read the description of work and all the terms and conditions of tender enquiry for **Hardware** as per tender enquiry in accordance with **Punjab Procurement Rules, 2014**, we agree to *abide by* all those instructions/conditions.
- b) We also hereby categorically confirm that the stores offered by us are exactly to the particulars and specifications as laid down in your tender enquiry in all respects.
- c) The stores offered by us are of local/foreign origin.
- d) We accept that if the required bid security is not furnished or our offer is found lacking in any of the requirements of tender enquiry, the competent authority has the right of rejection.
- e) We hereby confirm to adhere to the delivery period required in the tender enquiry as given in the contract and which will be strictly adhered. In case of delay, we have bond to pay **2% of total bid amount per month as fine**.
- f) Certified that the prices quoted to the Department, against Tender are not more than the prices charged from any other Purchasing Agencies in the country and in case of any discrepancy, the tenderer hereby undertakes to refund the price charged in excess.

Particulars of Goods / Specification	Quantity
Mentioned in the attached pages	

- 1. Delivery period offered: \_\_\_\_\_
- 2. Name of Tenderer: \_\_\_\_\_
- 3. Signature of Tenderer: \_\_\_\_\_
- 4. Designation: \_\_\_\_\_
- 5. Seal: \_\_\_\_\_

**WITNESS**

Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Full Address: \_\_\_\_\_

Date: \_\_\_\_\_

**DG (M&M) /ADP DRONE MAPPING (1) Hardware/2024-25**

<b>UAV (UNMANNED AERIAL VEHICLE)-DRONE (03-Quantity) LOT-1</b>		
<b>Sr.No</b>	<b>Parameters</b>	<b>Requirements</b>
1	Country of origin	Any
2	Supported SD Cards	Micro SD Max Capacity: 256GB or Higher Write speed $\geq 15$ MB/s, Class 10 or UHS-1 rating required
3	RGB Camera	Effective Pixels: 18 MP or higher ISO Range:100-6400 Video Resolution: 4K: 3840×2160@30fps or higher
4	Multispectral Camera	Green (G): 560 ± 16 nm; Red (R): 650 ± 16 nm; Red Edge (RE): 730 ± 16 nm; Near infrared (NIR): 860 ± 26 nm;
5	Thermal Sensor	DFOV: 61°, Equivalent Focal Length: 40mm, Resolution 640 × 512
6	Stabilization System	3-axis mechanical gimbal (tilt, roll, pan)
7	Take off / landing	Vertical Take-Off & Landing (VTOL)
8	Launch method	Preferably VTOL
9	Landing Method	VTOL due to space limitation in Urban & Hilly Areas
10	Overlap	Minimum 50-60 % Side & 50-60 % Forward
11	Obstacle Sensory Range	0.3 – 2.5 feet
12.	Live View Quality	720P @ 30fps or Higher
13	Performance Characteristics	Flight time 30 mins or higher+ Preferably VTOL Wind Resistance > 10 m/s or higher Cruise speed > 13 m/s or higher Horizontal Absolute Accuracy <2 cm when using PPK Fully autonomous Flight incl. take-off and landing Enhanced compatibility with Industry Standard software (camera parameters already automatically recognized)
14	Flight Planning software	Flight planning software capable of planning multiple separate surveying areas at once Flight planning software capable of importing KML files Flight planning software capable of importing custom terrain models (DEM) for up-to-date terrain following Windows / Android-based flight planning software on portable rugged tablet included in the package Automatic Terrain following
15	GNSS for GCP's and PPK/RTK	1xBase, 1xRover with tablet for Field GCP and PPK having RTK range of 8 KM or above with internal Radio

UAV (UNMANNED AERIAL VEHICLE)-DRONE (03-Quantity) LOT-1			
Sr.No	Parameters	Requirements	
16	Software for Data Processing of UAS Data	Pix4D Mapper or equivalent	
17	Propeller (Wings)	1 Set with Drone	3 Sets Extra
	Battery	1 with Drone	6 Extra
	Charger	1 with Drone	1 Extra Simultaneous Charger with Hub
	MicroSD Card	1 No 256 GB with Drone	1 No. 256 GB Extra
	Bag Pack for Drone accessories	1 No. with drone (Carbon Fiber)	
	1 Year on-site warranty required		
18	<b>Certificate:</b> - Documentary proof from Original Equipment Manufacturer (OEM) of quoted model by the firm to be given / attached. In case verification is challenged at any stage between offered and supplied equipment or equipment found to be used or refurbished the Supplier will be responsible.		
19	<b>Quality Standards.</b> Compliance with international standards and conformity certificate		
20	Authorized Distribution Certificate		
21	<b>Publication.</b> Op Manual / Catalogue		
22	Training for 1 week is mandatory after supply of Drone		
23	<b>Warranty:</b> - 1 years or manufacturer specified whichever is more.		

LOT-2	
NAME OF EQUIPMENT AND SPECIFICATION	Qty.
<b>WORKSTATION DESKTOP FOR IMAGE PROCESSING</b> <b>PROCESSOR:</b> 10 <sup>th</sup> or above Generation Intel Core i7 or above (16MB cache, 8 cores, 16 threads, 2.90 GHz to 4.80 GHz Turbo) <b>OPERATING SYSTEM:</b> Windows 11 Pro, English <b>GRAPHICS CARD:</b> NVIDIA GeForce GT 730, 2 GB GDDR5 <b>MEMORY:</b> 32 GB, 1 x 16 GB, DDR4, 2933 MHz <b>HARD DRIVE:</b> 1 TB, M.2, PCIe NVMe, SSD + 1 TB, 7200 RPM, 3.5-inch, SATA, HDD <b>Wireless:</b> Qualcomm DW1810, 1 x 1, 802.11ac with Wi-Fi, Wireless LAN, Bluetooth 4.1	<b>1</b>
LOT-3	
<b>100TB NETWORK ATTACHED STORAGE (NAS)</b>	<b>1</b>

<p><b>CAPACITY:</b> 100 TB Storage Capacity</p> <p><b>PROCESSING:</b> 1.7 GHz Alpine AL-314 Quad-Core</p> <p><b>MEMORY:</b> 16 GB DDR4 ECC SODIMM</p> <p><b>PORTS:</b> 4 x Gigabit Ethernet Ports, 2 x USB 3.0 Type-A</p> <p><b>SUPPORTED DRIVE TYPE:</b> 3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD, M.2 2280 NVMe SSD</p> <p><b>RAIDS:</b> Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10</p> <p><b>EXTRA FEATURES:</b> Hardware Encryption Engine, fireproof to 1550°F for 30 Minutes, Waterproof up to 10' for 72 Hours</p>	
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