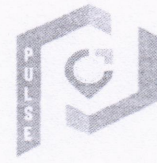




**PROJECT IMPLEMENTATION UNIT (PIU)
PUNJAB URBAN LAND SYSTEMS
ENHANCEMENT (PULSE)
Punjab Land Records Authority (PLRA)
Government of the Punjab**



Subject: MINUTES OF THE PRE-BID MEETING FOR THE PROCUREMENT OF HIGH-RESOLUTION SATELLITE / AERIAL IMAGERY OF PUNJAB UNDER PIU-PLRA, PULSE PROJECT

A pre-bid meeting was held on November 18, 2024 at 03:00 PM under the Chairmanship of GIS Specialist, PIU-PLRA, PULSE in the committee room of PULSE for the subject activity. The meeting started with recitation of Holy Quran. The chair welcomed the participants and requested for round of introduction. Following participants attended the meeting:

- | | |
|-------------------------------|--|
| 1. Rana M. Sohail Aslam | GIS Specialist, PIU-PLRA, PULSE |
| 2. Mr. Iftikhar Hussain Zaidi | Financial Management Specialist, PMU-PLRA, PULSE |
| 3. Mr. M Afzaal Amin Rana | Procurement Specialist, PIU-PLRA, PULSE |
| 4. Mr. Nasir Ashraf | GIS Specialist, PMU-BOR, PULSE |
| 5. Mr. Ali Usman | HR Manager, PMU-BOR, PULSE |
| 6. Mr. Kamran Baig | Geodesy Specialist, PMU-BOR, PULSE |

The following joined the meeting through physically and through zoom link:

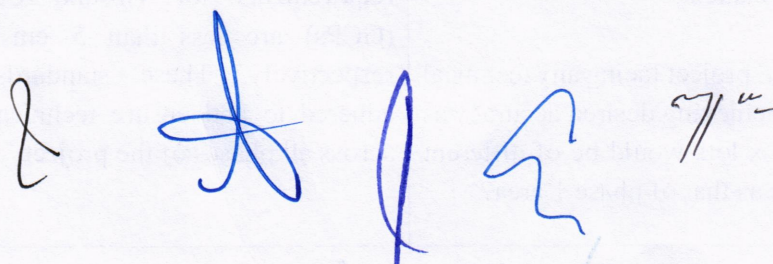
- | | |
|--------------------------|---|
| 1. Mr. H.M Kamran | M/s Pak Datacom Limited |
| 2. Ms. Rahma Ahtisham | M/s Pak Datacom Limited |
| 3. Mr. Rana Rehman | M/s SUPARCO |
| 4. Mr. Basit Bukhari | M/s SUPARCO |
| 5. Mr. Usman Tariq | M/s SUPARCO |
| 6. Mr. Ameer Faisal | M/s City Survey & Engineering Consultants |
| 7. Mr. Asif Wadood | M/s ER Solutions |
| 8. Mr. Amir Amin | M/s Asian Consulting Engineers |
| 9. Miss. Kanchana | M/s 4 Earth intelligence Abu Dhabi |
| 10. Mr. Serkan Bahar | M/s Space and Defense Technologies |
| 11. Mr. Halil Sunar | M/s Space and Defense Technologies |
| 12. Mr. Azhar | M/s GW Alpha |
| 13. Mr. George | M/s Onyx Space |
| 14. Mr. Zeshan Latif | M/s Datels Intl |
| 14. Mr. Azmat Ali | M/s 4 Earth intelligence |
| 15. Mr. Hussain | |
| 16. Mr. Moin Abdul Malik | |

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2. Procurement Specialist, PIU-PLRA, PULSE apprised the participants regarding the procurement process of subject activity. Following queries were responded during the meeting:

| Sr. # | Query / Question | Response |
|-------|--|---|
| 1. | If two or three organizations bid through a JV, does the qualification clauses equally apply of both parties or the lead firm only? | ITB 4.1 of Bid Data Sheet -RFB is referred for the query and it was informed to the participants that evaluation criteria for the JV is given in the Section III - Evaluation and Qualification Criteria. |
| 2. | Can a firm participate in a specific lot, or are they required to participate in all the lots mentioned in the RFB document? | A firm can to participate in a single lot by submitting its bid for that specific lot. However, a firm intending to participate in multiple lots must provide separate bids for each lot. Moreover, ITB 34.2(a) of Bid Data Sheet is referred for evaluation of bids. |
| 3. | <p>Timeline for the delivery of 03 x lots is 180 days which include imagery acquisition, collection of precise GCPs and tailored processing of imagery for an area of approx. 166,857 km.</p> <p>Complete processing of imagery takes around 08 to 10 months after acquisition and GCPs collection.</p> <p>Timeline provided in the bid document is very challenging considering the actual volume of work.</p> <p>Is it possible that timeline may be revised considering the previous timeline provided for almost same task was approx. 02 years?</p> | <p>The Delivery time period is hereby extended from 180 days to 360 days for all Lots following the date of effectiveness of the Contract.</p> |

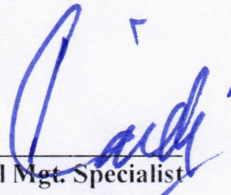
| Sr. # | Query / Question | Response |
|-------|--|--|
| 4. | Who will use this satellite imagery, will it remain with PULSE, or will it be used by other departments, as the involvement of multiple departments would require vendors to purchase additional licenses, which could ultimately impact the cost of the bids? | This imagery is property of Govt. of Punjab and on the directions of Govt. it will be shared with any department. |
| 5. | What is the qualification criteria for the Parent Company, Original Manufacturer, Satellite Imagery Company, or the proposed/quoted imagery providing the satellite imagery? | As outlined in the Technical Specifications of the Request of Bids (RFB), the proposed/quoted imagery must have been supplied to more than 10 countries outside the country of origin. |
| 6. | The Technical Specifications in the RFB document require the satellite to have a minimum of 6 bands (Multispectral and Panchromatic) at 16-bit, whereas only 4-band imagery is currently available. | Considering the diverse ventures and initiatives undertaken by the Government of Punjab, the project necessitates imagery with a minimum of six spectral bands, including Red, Green, Blue, Infrared, Deep Blue, and Red Edge along with Panchromatic. |
| 7. | Can an organization participate in more than one bids as lead as well as subcontractor? | No. Para j, Letter of Bid, Section IV-Bidding Forms is referred for the said query. |
| 8. | As per bid document, an evaluation criterion is available for OEM/Principal. Is there any evaluation criterion available for supplier as a lot of processing has to be done by supplier after imagery acquisition and GCPs collection? | Section III is referred for the evaluation criteria for the bidder. |

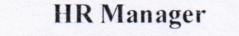


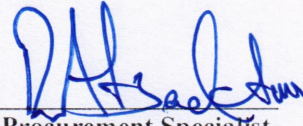
| Sr. # | Query / Question | Response |
|-------|--|---|
| 9. | SUPARCO, being the national space agency promulgated by Govt of Pakistan in Dec 2023, possesses the capability to provide the required satellite imagery for the project. What are the possibilities of G-2-G arrangements? | Punjab Urban Land Systems Enhancement (PULSE) is a World Bank-assisted project and all procurement will be carried out by the world bank Procurement Guidelines. For Govt. Owned entities ITB Clause 4.6 may be considered. |
| 10. | PI ref to technical specification of satellite imager in the Section VII – Schedule of Requirements at Page 77 of RFP, the statement doesn't reflect technical specification of data, hence can be omitted from here. | The standard RFB document as recommended by the bank is used for the subject procurement. Main heading of the section i.e. Section VII – Schedule of Requirements May be reviewed. |
| 11. | Does PULSE have any plan to visit to bidder's sites to evaluate the capacity of bidders to perform task. | Yes, PULSE reserves the right to visit bidders' sites to evaluate their capacity to perform the required tasks effectively. |
| 12. | <p>The requirement is shifted to 06 x bands as that of phase 1 data requirement of 04 x bands. Means imagery of 03 x lots would be different that of phase-1 imagery.</p> <p>Would it help in improving your mapping results?</p> | This procurement is independent of the Phase-I imagery and has been formulated to align with the comprehensive scope and broader objectives of the project. |
| 13. | <p>Required accuracy of GCPs 10mm +1ppm horizontal and 15mm + ppm vertical is practically very challenging. Only for phase 1, it was slightly relaxed.</p> <p>Is PULSE project facing any technical issue in achieving desired accuracy as these 03 x lots would be of different accuracy as that of phase 1 area?</p> | The query primarily addresses equipment accuracy. However, as specified in the bid document, the horizontal and vertical accuracy requirements for Ground Control Points (GCPs) are less than 5 cm and 10 cm, respectively. These standards are being adhered to and ensure technical consistency across all phases of the project. |

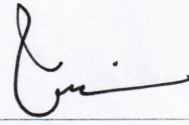
| Sr. # | Query / Question | Response |
|-------|---|--|
| 14. | Can GCPs interval vary from 4km X 4km due to: -availability of sharp edges. -accessibility in remote areas. | The vendor is required to acquire one ground control point (GCP) within every 4x4 sq. km grid, ensuring comprehensive coverage of the entire area of interest (AOI) as outlined in the bid document. |
| 15. | Clarification is required regarding 15 cm HD product to be provided in 11 bits. Can it be 8 bit or 16-bit product? | The RGB deliverable should have 8 Bit depth or higher |
| 16. | Clarity is required regarding total number of products to be provided for each lot? | Already mentioned in the RFB document in Section VII – Schedule of Requirements in <i>Submission</i> |
| 17. | Clarity is required regarding training venue (in any Foreign country or in Pakistan by International Organization)? | Already mentioned in the RFB document under Section VII – Schedule of Requirements |


Meeting was ended with the note of thanks.

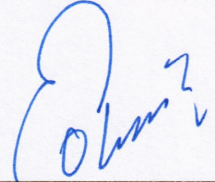

Financial Mgt. Specialist
PIU-PLRA, PULSE
(Member)


HR Manager
PMU-BOR, PULSE
(Member)


Procurement Specialist
PIU-PLRA, PULSE
(Secretary)


GIS Specialist
PMU-BOR, PULSE
(Co-Opted Member)


Geodesy Specialist, PMU-
BOR, PULSE
(Co-Opted Member)


GIS Specialist
PIU-PLRA, PULSE
(Convener)