



MINISTRY OF DEFENCE THROUGH THE PROJECT DIRECTOR OF ITS GREENAI PROJECT
MANAGEMENT UNIT (“PROCURING AGENCY”)

CORRIGENDUM – I

REQUEST FOR PROPOSAL
NASTP-GREENAI-SW-ACAST/04/2026
FOR

DESIGN & DEVELOPMENT OF UAS-ASMS SOFTWARE PHASE II

**AS A COMPONENT OF PSDP APPROVED PROJECT TITLED “DEVELOPMENT OF ICT AND
ARTIFICIAL INTELLIGENCE (AI) BASED PRECISION AGRICULTURE SYSTEMS
UTILIZING DUAL-USE AEROSPACE TECHNOLOGIES - GREENAI”**

1. The procuring agency invites sealed bids from companies for the “Design & Development of UAS-ASMS Software Phase II” as specified in Request for Proposal document.
2. Bids prepared in accordance with instructions in the bidding document must reach the address mentioned in RFP document. With reference to requests received from multiple vendors, the date for submission of bidding document is **08 April, 2026 at 11:00 AM**. Technical bids will be opened on revised date of **08 April, 2026 at 11:30 AM** instead of 06 April, 2026 in the presence of bidders or their authorized representatives.
3. A summary of major amendments made in the RFP is given in the ensuing paragraphs. All references to Para and Page numbers in the ensuing paragraphs are linked with the original RFP.

Bidding Process Instructions

4. **Last Date & Time of Submission of Bid:** 06 April, 2026 at 11:00 AM.

“**Bid Opening Date and Time**” has been updated as follows:

Bid Opening Date & Time: 08 April, 2026 at 11:30 AM.

5. **Annexure B** para D Bids, in the quality cum cost-based selection (QCBS) shall finally be ranked according to their combined technical (S_t) and financial (S_f) scores using the weights ($T= 50\%$ is the weight given to the technical bid, $P=50\%$ is the weight given to the financial bid, $T+P=100$):

$$S = S_t * T\% + S_f * P\%$$

6. On Page 12, at Table 1. Schedule of Payment, under the heading of Payment Procedure, Point (4) has been updated as:

(Delivery within 90 days of award of contract)

7. On Page 20, at Table 6. Features of customized GCS Software, under the heading of core feature, Point 15-20 has been revised as:

Point 15: Ground Control Station (GCS) shall be capable of transmitting, at minimum, the following commands to the C2 Center: Return-to-Launch (RTL), LAND, and Replace Trajectory/Mission Update commands.

Point 16: The local GCS interface shall clearly indicate when C2 has active command authority or override control.

Point 17: All data visible in the GCS shall be streamed to C2 in real time, including GPS, battery, attitude, mission status, and warnings.

Point 18: The GCS shall ensure that key flight telemetry for each connected UAV, including, at a minimum, ground speed, altitude, and heading, is made available to the Command and Control (C2) Center in real time.

Point 19: The GCS shall provide an operator-controlled toggle to enable or suppress the availability of telemetry data for each UAV individually, for transmission to the C2 Center.

Point 20: GCS shall store mission uploads, approvals, overrides, and operator actions.



Project Director

GreenAI NASTP, Rawalpindi

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Date:- 03 April, 2026



**MINISTRY OF DEFENCE THROUGH THE PROJECT DIRECTOR OF ITS GREENAI
PROJECT MANAGEMENT UNIT (“PROCURING AGENCY”)**

**REQUEST FOR PROPOSAL
NASTP-GREENAI-SW-ACAST/04/2026
FOR**

DESIGN & DEVELOPMENT OF UAS-ASMS SOFTWARE PHASE II

**AS A COMPONENT OF PSDP APPROVED PROJECT TITLED “DEVELOPMENT
OF ICT AND ARTIFICIAL INTELLIGENCE (AI) BASED PRECISION
AGRICULTURE SYSTEMS UTILIZING DUAL-USE AEROSPACE
TECHNOLOGIES - GREEN-AI”**

Issue Date: 18 March, 2026

1. The procuring agency invites sealed bids from Firms, companies, distributors / suppliers registered with Income Tax and Sales Tax Department for Design and Development UAS-ASMS Phase II.
2. A complete set of bidding documents, containing detailed terms and conditions are available for the interested bidders at Project GreenAI NASTP, Alpha-19, Old Airport Road, Rawalpindi. Price of bidding documents is Rs. 1000/- (if required). Bidding documents may also be downloaded from PPRA’s website. Bids prepared in accordance with instructions in the bidding document must reach at following address Project GreenAI, NASTP Alpha-19, Old Airport Road, Rawalpindi on or before **06 April, 2026 at 11:00am**. Bids will be opened on same day **06 April, 2026 at 11:30 am** in presence of bidders or their authorized representatives. The advertisement along with bidding document is also available on PPRA web address www.ppra.org.pk.

Project Director (GreenAI)
NASTP, Alpha 19,
Old Airport Road, Rawalpindi
pd@greenai.org.pk

Date: - 18 March, 2025

PLEASE READ CAREFULLY

- Participating bidders are required to submit bids according to instructions mentioned in bidding documents. These bids should meet the requirements/criteria illustrated in bidding documents along with fulfillment of other terms and conditions of tenders.
- According to rule 31 of Public Procurement Rules, 2004 (“PPR 2004”) no bidder is allowed to alter or modify his bids after the bids have been opened. Moreover, as per rule 36 (b)(vi) of PPR 2004, no amendment in the technical proposal is permitted during technical evaluation. Therefore, in the light of prevailing Govt. procedures, requests for amendments in quotations and clarifications leading to change of substance of bid after opening of bids cannot be accepted and bids not conforming to tender requirements are liable to be rejected.
- Participating bidders are therefore requested to read the bidding documents thoroughly and submit their quotes accordingly without any condition in conformance to all tender requirements including Down Payment, bid validity, provisioning of original quotation from foreign principal, Bank Guarantee confirmation etc., for consideration of bid. Bid found non-conforming to tender requirements is liable to be rejected on tender opening date.
- **Participating firms are requested to provide particulars of their reps on Cell No 03244411999/03244447655 at least 01 day prior to a tender opening Date.**

DISCLAIMER

All information provided/ clarified in this Request for Proposal (RFP) is in the best interest and faith of the parties involved. This RFP is neither an agreement nor an offer/ invitation of agreement by the procuring agency to the prospective bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in the formulation of their proposals pursuant to this RFP. The information published in this document is not intended to be exhaustive. Though adequate care has been taken in the presentation of this RFP document, the assumptions, assessments, statements, and information contained in this RFP, may not be complete, accurate, adequate, or correct. Interested bidders shall, therefore, required to make their own investigations and assumptions wherever required and satisfy themselves that the RFP document is complete in all respects. Intimation of discrepancy, if any, should be given to the specified office immediately. If no intimation is received by the office till the date mentioned in the document, it shall be deemed that the RFP document is complete in all respects and parties submitting their proposals are satisfied that the RFP document is complete in all respects.

Information provided in this document or imparted to any respondent as part of RFP process is confidential to the procuring agency and shall not be used by the bidders for any other purpose, distributed to, or shared with any other person or organization.

ABBREVIATIONS

ACK	Acknowledgment
ASMS	Air Space Management System
C2 Center	Command and Control Center
CAD	Computer Aided Design
CDR	Critical Design Review
GCS	Ground Control Station
GSM	Global System for Mobile communications
GRC	Grievances Redressal Committee
LoA	Letter of Acceptance
NDA	Non Disclosure Agreement
OEM	Original Equipment Manufacturer
PG	Performance Guarantee
POC	Proof of Concept
RFP	Request for Proposal
RTB	Return to Base
RTK	Real-time Kinematics
SATCOM	Satellite Communications
UAV	Unmanned Aerial Vehicle
UAS	Unmanned Aircraft System

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ANNEX	Technical Security Report

BIDDING PROCESS INSTRUCTIONS

1. **Bid Reference No. NASTP-GREENAI-SW-ACAST/04/2026**

2. **Procurement Agency**

Ministry of Defense through the Project Director of its Green-AI Project Management Unit.

3. **Invitation of Bid**

PMU GREENAI invites sealed bids for **DESIGN & DEVELOPMENT OF UAS-ASMS SOFTWARE PHASE II.**

4. **Pre-bid Meeting**

To clarify any ambiguity / lack of understanding before submission of final bids, a meeting may be planned for convenience of bidders on i.e. **30 March, 2026 at 11:00 AM at NASTP Alpha-19, Old Airport Road, Rawalpindi.** Participating firms are requested to provide particulars of their reps on Ph. No. 03244447655 at least one (01) day prior to tender opening date and the pre-bid meeting date for necessary arrangements. The bidders' representatives should attend, at their own cost, expense and arrangement (including obtaining visas and travel documents, if required), the meeting(s) to obtain clarifications and any other information required for preparation of the Bid. Moreover, the procuring agency may organize more than one (01) pre-bid meeting.

5. **Last Date & Time of Submission of Bid:** 06 April, 2026 at 1100hrs

6. **Bid Opening Date & Time:** 06 April, 2026 at 1130hrs

7. **Bid Opening Address**

Project Management Unit (PMU), Project GreenAI, NASTP, Alpha 19, Old Airport Road, Rawalpindi.

Tel: 0324-4411999 / 0324-4447655

Email: sm_scm@greenai.org.pk

8. **General Instructions to Bidders**

(a) The bidder shall bear all its costs associated with or relating to the preparation and submission of its proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the procuring agency, or any other costs incurred in connection with or relating to its Proposal.

(b) The procuring agency reserves the right to reject any or all of the bids submitted in response to this RFP document at any stage without assigning any reasons whatsoever. The procuring agency also reserves the right to withhold or withdraw the process at any stage with intimation to all who have submitted their proposals in response to this RFP.

(c) Any time prior to the deadline for submission of bids, the procuring agency may change / modify / amend any or all of the provisions of this RFP document without assigning any reason. All addenda/ corrigenda shall form part of the RFP documents and shall be notified in writing to all prospective bidders and will be binding on them. The prospective bidders should acknowledge receipt of any such addendum/ amendment in the RFP document(s).

(d) The Bidder may modify or withdraw its Bid after the Bid submission but prior to deadline for submission of the Bids, provided that written notice of the modification or withdrawal is received by procuring agency.

(e) No Bid may be modified subsequent to the deadline for submission of the Bids.

(f) No Bid may be withdrawn in the interval between the deadline for submission of Bids and the expiry of the period of Bid validity specified by the Bidder on the Bid Form. Withdrawal of a Bid during this interval may result in forfeiture/encashment of the Bid Security.

9. **Procurement Procedure:** The procuring agency is adopting a 'single stage-two envelope' bid procedure as specified in rule 36(b) of PPR 2004.

10. **Language of Bid:** The Bid prepared by the bidder and all correspondence and documents relating to the Bid exchanged between the Bidder and procuring agency and/ or any representative of procuring agency, shall be written in English language. Any supporting printed literature furnished by the Bidder written in another language should be accompanied by an English translation of its pertinent pages in which case, for purposes of interpretation of the Bid, the English translation shall govern.

11. **Submission of Proposals**

(i) Proposals are to be submitted as hard copy via post or by-hand sealed as under.

(ii) The Bid shall comprise a single package containing two (02) separate envelopes. Each envelope shall contain separately the technical proposal and the financial proposal.

(iii) **Technical Proposal:** Technical proposal is to be submitted in **duplicate** in a separate sealed envelope and clearly marked "**Technical Proposal without prices**". Tender number and date of opening. The Technical Proposal Envelope shall contain: -

- Technical Proposal as per System Requirement Specifications **Annexure 'A'**

- Bidding Forms & **Annexure 'D'** to **Annexure 'F'** (Duly filled & signed by authorized signatory)

- Bid Security in a separate sealed envelope clearly marked **Bid Security**, Tender Number.

- Soft copy of Technical Proposal in the form of USB in a separate sealed envelope clearly marked "**Soft Copy of Technical Proposal**", Tender Number.

(iv) **Financial Proposal:** It shall contain Financial Proposal Form **Annexure 'C'** filled and dully signed in a separate sealed envelope clearly marked on the face "**Financial Proposal with prices**", tender number.

(v) Both the "**Envelopes**" of Technical and Financial proposals should be enclosed in one cover, properly sealed, and bear the address of procuring agency with tender number and opening date.

(vi) Failure to provide any of the required information specified in the RFP document with the 'Technical Proposal' (Envelope 1), and in the prescribed format (where applicable), may lead to disqualification of the Bid and the affected Bidder's 'Financial Proposal' (Envelope 2) will be returned unopened.

(vii) The procuring agency reserves the right to verify the letters, documents or information provided by any bidder from issuing parties and may (together with its advisers) visit and hold meetings with them which shall be facilitated by the bidder. Furthermore, failure to provide the Financial Proposal in the form required under this RFP document may also result in disqualification of the Bid.

12. Evaluation Process

(a) The procuring agency intends to exercise the most advantageous bid in conformance with PPR 2004.

(b) The Bid shall comprise a single package containing two (02) separate envelopes. Each envelope shall contain separately the technical proposal and the financial proposal.

(c) The envelopes shall be marked clearly as "TECHNICAL PROPOSAL" and "FINANCIAL PROPOSAL" in bold and legible letters to avoid confusion.

(d) Initially, only the envelope marked "TECHNICAL PROPOSAL" shall be opened.

(e) The envelope marked as "FINANCIAL PROPOSAL" shall be retained in the custody of the procuring agency without being opened.

(f) Procuring agency shall evaluate the technical proposal in the manner prescribed herein, without reference to the price and reject any proposal which does not conform to the specified requirements.

(g) During the technical evaluation no amendments in the technical proposal shall be permitted.

(h) Technical Qualification evaluation shall be based on the criteria given in **Annexure 'B' Evaluation Criteria**, regarding Bidder's Technical Experience, Product Capabilities, Design Process and Solution Presentation, etc. as demonstrated in the qualification documents submitted by the Bidder.

(i) The Bidders securing **at least seventy percent (70%)** overall marks and minimum passing marks in each category (i.e., Technical Capability, Product Capabilities, Design Process, Airborne Ready Solutions, Solution Presentation and Flight Demonstration), in addition to the fulfilment of mandatory requirements, shall be considered qualified, and assigned a technical score **Sf**.

(j) Financial bids of only the technically qualified bidders shall be opened and assigned a financial score **Sf** evaluated by procurement committee as per the formula described in **Annexure "B"**.

(k) Work will be awarded to the bidder offering most advantageous bid evaluated as the highest ranked bid based on cost and quality as described in **Annexure "B"**.

(l) Prior to the expiration of the period of bid validity, procuring agency will notify the successful bidder in writing of its intent to award the contract. The contract will be executed subject to satisfactory discussion of the terms and conditions of the contract. The discussion shall be in accordance with PPR 2004 provisions of Pakistan. The form of contract is attached as **Annexure 'G'**.

(m) Upon the successful bidder's furnishing of performance guarantee pursuant to this RFP, procuring agency will promptly notify each unsuccessful

Bidder and will discharge their respective bid security(s). The technical and financial proposals of both successful and unsuccessful bidders will be retained by the procuring agency.

(n) The bid sum as submitted and read out during financial bid opening shall be absolute and final and shall not be the subject of correction, adjustment or amendment in any way by any person or entity except that if the Bid is substantially responsive, the procuring agency shall handle only the undermentioned errors on the following basis:

(i) Bidders shall be notified of any correctable error detected in their bid during the notification of award.

(ii) Any arithmetic errors in the submitted bid arising from a miscalculation of unit price, quantity, subtotal and total bid price shall be rectified on the following basis:

- If there is a discrepancy between words and figures, the lowest amount, either in words or figures, shall be considered.
- If there is discrepancy between the unit price and the total price which is obtained by multiplying the unit price and quantity, or between sub- total and the total price, the unit or sub-total price shall prevail, and the total price shall be corrected.
- In case of discrepancy between sub-total price obtained by adding various prices in the schedule and the sub-total price indicated for that particular schedule, the sub-total obtained by addition of various arithmetically corrected prices would be considered for evaluation.
- In case of any discrepancy in the applicable rates or calculation of applicable taxes discussed, agreed and added to the contract amount in separate lines, as needed, corrections in item and subtotal prices may be allowed as per applicable Govt. rates / rules.
- The procuring agency shall be entitled to award the contract to the most advantageous bidder after applying permissible arithmetic / tax corrections in the bid proposal sheets. If the bidder does not accept the correction of the errors as above, his bid will be rejected.

13. **Bidder's Eligibility:** The Firms, companies, distributors / suppliers registered with Income Tax and Sales Tax Department for Design and Development of UAS-ASMS Phase II Project..

14. **Bid Security**

(a) Bid security will be equal to **Rupees 200,000/-** and will be in the shape of pay order / demand draft in favor of Project Director Green-AI, Alpha-19, Old Airport Road, NASTP Rawalpindi. Bid security shall be attached with the technical proposal otherwise proposal will not be accepted.

(b) Bids without required Bid security will be rejected without any right of appeal.

(c) The bid security shall be forfeited in case of occurrence of any one of the following:

(i) If a bidder withdraws its bid during the period of bid validity

specified in this RFP document; or

(ii) In the case of successful bidder, if it fails:

- To furnish performance guarantee in accordance with the RFP document; and
- To sign the contract.

(d) Bid security of unsuccessful bidders will be returned upon the award of contract to successful bidder, and after furnishing of the performance guarantee.

15. **Performance Guarantee**

(a) Performance Guarantee (PG) equal to **10%** of total contract amount will be submitted before signing of contract. PG will be kept against SLA/support and will only be released after completion of warranty/technical support period (1 year) as per the contract.

(b) The Performance Guarantee shall be as Bank Guarantee Form (attached with draft contract) or CDR from any Scheduled Bank in Pakistan in favor of Project Director Green-AI, Alpha-19, Old Airport Road, NASTP Rawalpindi.

(c) In case of cancellation of contract due to default of the supplier, the performance guarantee shall be forfeited in favor of procuring agency.

(d) The bidder should quote its rates clearly in Pak Rupees in the Financial Proposal in both figures and words as per format attached at **Annex 'C'**.

(e) The rates for each UAV platform offered shall be quoted on separate lines.

(f) The Bid shall remain valid for **ninety (90) calendar days** from technical bid opening date and further it may be requested to be extended by procuring agency.

(g) A bid valid for a shorter period shall be rejected by procuring agency as non-responsive.

(h) Price and all other terms and conditions shall be fixed and firm throughout Bid validity period.

(i) No currency exchange rate will be applicable and bids with a condition of currency exchange rate applicability will be rejected without any right of appeal.

(j) Bid(s) shall be inclusive of all applicable taxes, duties, charges, levies, etc.

16. **Payment Procedure**

(a) Milestone based payment disbursement procedure will be adopted on per-platform basis.

(b) Acceptance criteria against milestones will be finalized as per platform specifications and made part of the contract document. All payments will be subject to acceptance of milestones against the acceptance criteria which is made part of the final contract.

(c) Bidder is to present a Sales Tax invoice (where applicable) / numbered bill upon completion of each milestone for disbursement of the amount agreed upon for the completed milestone as per the final contract.

(d) All taxes applicable on the amount of bill will be deducted at source.

(e) Crossed cheques of applicable amount (in the favor of the respective bidder) will be issued from Project Director (**GreenAI**).

(f) Milestones and deliverables are as follows and apply to each platform being offered individually.

(g) Bank charges incidental to the withdrawal of payment shall be borne by the Supplier.

Table 1. Schedule of Payment*

MS. No	Conditions	Payment to be made
1.	Mobilization Advance	20%
2.	Delivery and Approval of Software Design Documents (To be submitted after 2 weeks of award of contract)	20%
3.	1. Delivery of complete software integrated solution for 01 GCS with 02 drones of minimum 02 types 2. PoC on 01 GCS 3. Functionality Testing and Verification by Authority 4. Acceptance criteria as per Table 2,3,4,5 & 6 of SRS-01 (Delivery within 60 working days of award of contract)	30%
4.	1. Operationalization of complete software integrated solution on all 3 GCS with all drones (2+2+3) of minimum 02 types on each GCS 2. Delivery of: a. Complete source code of customized ArduPilot GCS software, aerial unit firmware, and associated software's/solutions linked to GCS, including build tools and configuration files. b. Complete hardware design package of aerial unit including schematics, PCB layout, Gerber files, BOM, interface specifications, and manufacturing documents. c. Complete system documentation including software architecture, communication protocols, data format specifications, and integration documents enabling independent modification and development. d. Knowledge transfer and technical training to procuring agency' engineering team covering system architecture, source code, firmware, and hardware design. e. Full Intellectual Property (IP) ownership of all developed software, firmware, hardware designs, and documentation shall remain with the procuring agency. (Delivery within 90 working days of award of contract)	30%

* **Note:** Partial payments against each milestone may be processed by the successful bidder depending upon the requirements and after approval of the procuring agency.

17. **Delivery/Completion Period**

(a) All components of the tender shall be delivered within three (03) months' time after effective date of signing of Letter(s) of Acceptance (LoAs).

(b) Delivery period may be extended in case of events beyond the reasonable control of Bidder. Bidder shall inform in writing to procuring agency of any such event and may request for extension in delivery period.

18. **Litigation:** In case of any dispute only Court of Jurisdiction at Islamabad Pakistan will have the Jurisdiction to decide the matter.

19. **Force Majeure**

(a) "Force Majeure" means an exceptional event or circumstance, which is beyond a Party's control; which such Party could not reasonably have provided against before entering into the Contract; which, having arisen, such Party could not reasonably have avoided or overcome; and, which is not substantially attributable to the other Party.

(b) The developing agency / firm / vendor shall, within fifteen (15) days of its commencement, notify the Procuring Agency of any such event, act or circumstance which is relied upon by the Supplier for its inability to comply with its obligation. The Purchaser shall have the right to conduct investigations to satisfy itself about the genuineness of the "Force Majeure" event, act or circumstance. Non-availability of raw material for the manufacture of the Goods or export permit for the export of the Goods from the country of its origin shall not constitute "Force Majeure."

(c) If by reason of "Force Majeure" the Goods are not delivered by the due date, then the Delivery Period may be extended appropriately for the purpose, provided the said Goods shall be ready to be delivered within one (1) month of the stipulated delivery date. If the said Goods are not ready to be delivered after the lapse of one (1) month as aforementioned, then the Purchaser shall have the right to cancel the Contract by informing the Supplier of the cancellation in writing. This, however, will not apply to consignments of Goods already accepted and delivered according to the terms of the Contract. The Supplier shall not be entitled to any compensation whatsoever as a result of this cancellation.

20. **Arbitration:** All matters of dispute or difference, except regarding rejection of stores / Services by the inspector and or cancellation of the contract by the Purchaser arising out of this contract between the parties hereto, shall be settled by mutual agreement, failing which they shall refer for Arbitration to Project Director Green AI who will be the sole arbitrator of the disputed matter and two representatives, one to be nominated by each party, will assist PD Green AI for decision. The award/decision of PD Green AI (The Sole Arbitrator) will be final and binding on all parties such as Supplier, Purchaser and related party (if any).

21. **Risk Purchase:** In the event of failure on the part of the developing agency to comply with the contractual obligations, the contract is liable to be cancelled at his risk and expense of Successful bidder.

22. **Application of Official Secret Act 1923:** All matters connected with this inquiry and subsequent actions arising there after fall within the scope of the Pakistan Official Secret Act 1923 which forbids providing contractual information to unauthorized/ un-concerned person/ organization. It is therefore, requested to ensure complete secrecy regarding documents and stores concerned with the inquiry to limit the number of employees having access to this information.

23. **Withdrawal of Offer:** If the bidder withdraws its bid or backs out from providing items won by the bidder within validity period at any stage of contract finalization, procuring agency may place such bidder under embargo for a period of twelve months, which may extend up to eighteen months and forfeiture of Bid Security or Performance Guarantee, as applicable.

24. **Disqualifications:** Proposals will be liable to be rejected if any deviation is found from the instructions as laid down in the bid document i.e.

- (i) Technical bid is submitted without the required bid security.
- (ii) Proposals are found conditional or incomplete in any respect.
- (iii) Multiple rates are quoted against one item.
- (iv) Bids are received after specified date and time.
- (v) Mandatory requirements of Evaluation Criteria are not fulfilled.
- (vi) Mandatory Technical Requirements are not properly adhered to.
- (vii) Bidder is not the principal manufacturer of proposed & baseline platforms.
- (viii) Any inferior product/specifications than the specifications provided in SRS-01 document.

25. **Termination of Contract:** If at any time during the pendency of the Contract, the Purchaser decides to terminate the Contract for any reason whatsoever (other than for reason of failure to Deliver the Goods), it shall have the right to do so by giving the Supplier a notice to that effect. In that event, the Purchaser will accept delivery, at the itemized price and terms, of such of the Goods then in the actual possession of the Purchaser.

- (a) In the case of remainder of the undelivered Goods, the Purchaser may select either:
 - (i) To have any part thereof completed and take the delivery thereof at the itemized prices, or
 - (ii) To cancel the residue and pay to the Supplier for the Goods or components thereof in the actual possession of Supplier at the prices to be determined by the Purchaser in which case Goods in the possession of Supplier shall be delivered by the Supplier.
- (b) No payment shall, however, be made for any Goods not yet in the actual possession of Supplier on the date notice of termination is received

26. **Authority to Sign Documents:** Proposal must be accompanied by Letter of Authorization to sign the Tender on behalf of the Bidder. Bidder must prove that the person who signs this Tender is fully authorized to bind his establishment / company.

27. **Grievances Redressal Committee**

- (a) After submission of bid and prior to award of the contract, any bidder feeling aggrieved by any act of procuring agency may lodge a written complaint concerning his grievances to GRC constituted under Rule 48 of PPRA within 07 days of announcement of the technical evaluation report and 05 days after issuance of final evaluation report.
- (b) GRC will immediately initiate the investigative action and decide the complaint within ten days of its receipt. The decision of GRC shall be intimated to the complainant / aggrieved bidder. The decision of the GRC shall be binding upon all the parties.

28. **Bidding Clarifications**

(a) In case any clarification is required regarding RFP, bidder may contact on following address till one week prior to the deadline for submission of tenders.

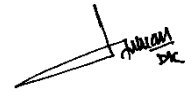
Technical Clarification: 0317-7078008 / 0308-0571303

Bidding Procedure: 0324-4411999 / 03244447655

A prospective bidder requiring any clarification of the RFP documents which is essential to enable the prospective bidder to submit its Bid, may notify the procuring agency in writing through on email address of the Project Director GreenAI mentioned below.

(b) The procuring agency may reach out to the prospective bidders for additional information or clarification during the submission, evaluation, and discussion periods.

29. **Rights Reserved:** Procuring Agency reserves the right to accept or reject any proposal and to annul the procurement process and reject all proposals at any time prior to contract award as per rule 33 of PPR 2004 without there by incurring any liability to the affected Bidder.



Project Director (GreenAI)
NASTP, Alpha 19,
Old Airport Road, Rawalpindi
pd@greenai.org.pk

Date: - 18 March, 2026

SYSTEM REQUIREMENT **SPECIFICATION**

FOR

DESIGN & DEVELOPMENT OF UAS-ASMS SOFTWARE PHASE II

AS A COMPONENT OF PSDP APPROVED PROJECT TITLED “DEVELOPMENT OF ICT AND ARTIFICIAL INTELLIGENCE (AI) BASED PRECISION AGRICULTURE SYSTEMS UTILIZING DUAL-USE AEROSPACE TECHNOLOGIES - GREEN-AI”

1. Project Description

The requirements described in this RFP are tailored for software development under the UAS-ASMS Phase II project, aimed at enabling simultaneous monitoring and control of multiple Unmanned Aerial Systems (UAS) through a single Ground Control Station (GCS). The proposed system will support agricultural drone operations including crop scouting, remote sensing, spraying, and seeding across various agricultural field sizes through different categories of UAV platforms.

Bidders may submit proposals for design and development of multi-UAV mission-planning, monitoring, and control software that is to be embedded on Ground Control Station (GCS) as well as for the design, development, prototyping, integration, and testing of the associated electronic modules (such as telemetry communication equipment, etc) that are to be integrated to form a turnkey GCS solution. The proposed solution (herein called GCS-II) should be custom-developed, must be compatible with the existing UAS-ASMS framework, and its upgradation should comply with the design requirements outlined herein. Upon successful validation of the developed turn-key solution in accordance with the defined requirements, the system shall be adopted for operational usage and will be made part of the larger GreenAI ecosystem to support scalable multi-UAS agricultural operations.

2. Scope of Project

The project aims to design and develop a custom-designed mission-planning software to enable concurrent multi-UAV operations and to facilitate the surveillance of all missions under execution at a remote C² center. The stated software will be deployed on a Ground Control Station (GCS) and will communicate with the C² center over a long-haul communication link to acquire mission authorization prior to the initialization of the mission. This way, a complete UAS Airspace Management System (UAS-ASMS) framework will be established to enable simultaneous monitoring and control of multiple Unmanned Aerial Systems (UAS) through a single Ground Control Station for agricultural operations. The system shall support coordinated operation of different UAV platforms within the GreenAI ecosystem for applications such as crop scouting, remote sensing, spraying, and seeding across various agricultural fields. The selected bidder shall ensure compatibility and integration with the existing UAS-ASMS framework, communications infrastructure, and command and control mechanisms. The project includes system integration, operational testing, and provision of necessary technical support, software licensing agreement (along with bug fixes for a period of 1 year) and operational training for technical staff.

3. Technical Requirements of UAS: Technical requirements of UAS are described in the subsequent sections.

(a) **Functional Requirements:** This section enlists the functional requirements that

must be fulfilled by the bidder in their design and development of GCS Software. All proposed platforms must comply with the requirements in Table 2, Table 3, Table 4 & Table 5. Adequate description & supporting materials shall be provided on how the Bidder's design fulfil these requirements. Proposals failing to meet any mandatory requirement or furnishing inadequate details as required may be disqualified at the discretion of the procuring agency.

Table 2. Ground Control Station (GCS) System Requirements

S No	Attribute / Parameter	Required Specifications
1.	Multi-UAS Handling	The GCS shall support simultaneous monitoring and control of 2–3 UAVs
2.	Supported UAV Platforms	The system shall support multiple types (Cat-A, Cat-B, and Cat-C) of UAV platforms
3.	System Architecture	The GCS software shall be based on multi-threaded architecture enabling concurrent UAV operations
4.	User Authentication	Two-step authentication including local login and remote authentication with centralized database
5.	Telemetry Link Support	The GCS shall support multiple point-to-point telemetry links simultaneously
6.	Telemetry Range	Minimum 6 – 10 km telemetry range per UAV
7.	Communication Protocol	Communication between FCC and GEM shall support MAVLink protocol
8.	Data Security	Communication between GEM and GCS shall support proprietary encrypted communication link
9.	RTK Support	The GCS shall support single RTK injection for all connected UAVs
10.	GPS Monitoring	The system shall display GPS parameters including signal strength, number of satellites and positioning accuracy
11.	Power Monitoring	The system shall display battery voltage, current consumption, and remaining battery capacity for each UAV

*Given are the minimum requirements. Preference will be given to higher specifications.

Table 3. Communication & Network Requirements

S No	Attribute	Required Specifications
1.	UAV-GCS Communication	Wireless telemetry communication link
2.	GCS-Gateway Communication	SATCOM (Primary), GSM Network (Secondary)
3.	WAN Connectivity Ports	Minimum 4 ports for long-haul communication interfaces
4.	Telemetry Data Handling	System shall support simultaneous telemetry streams for multiple UAVs
5.	Command Relay	GCS shall relay commands between UAVs and C2 center via GreenAI Gateway over long-haul communication link

Table 4. Mission Planning & Monitoring Requirements

S No	Attribute	Required Specifications
1.	Mission Planning	System shall support concurrent mission planning for multiple UAVs
2.	Mission Types	System shall support mission planning specific to multiple types (Cat-A, Cat-B, and Cat-C) of UAVs
3.	Map Interface	The GCS shall provide basemap visualization of operational area
4.	Mission Verification	The system shall verify mission attributes with centralized Prescription Management System via API
5.	Display Modes	The system shall support Single-View, Multi-Map, and Multi-View monitoring modes

Table 5. Preferred Features / Capabilities for UAS

S No	Attribute / Parameter	Preferred Specifications
1.	Emergency Controls	The GCS shall include dedicated emergency buttons for each UAV
2.	Emergency Commands	Emergency commands shall include Land and Return-to-Base (RTB)
3.	Collision Avoidance Alerts	The system shall notify operators when mission conflicts or collision risks occur
4.	Error Handling	The system shall log system errors and categorize them by criticality level (1-5)
5.	Mission Override	The system shall allow C2 center to overwrite mission commands through the GCS

(b) **Software Architecture and Compatibility**

- (i) The developed software shall be based on open architecture and open standards, ensuring compatibility with open-source autopilot and mission planning software frameworks currently used within the GreenAI ecosystem. Any proprietary or closed software components that restrict integration, modification, or future upgrades may be rejected by the procuring agency.
- (ii) The developed software shall support seamless integration with existing flight control systems, telemetry interfaces, and mission planning platforms used in the UAS-ASMS framework. The bidder shall provide complete software documentation, interface specifications, APIs, and configuration guidelines required for system deployment. The supplied hardware shall support future upgrades, modifications, and interoperability with third-party systems to accommodate evolving operational requirements of the procuring agency.
- (iii) The software solution shall be modular, scalable, and upgradeable, enabling future enhancements, interoperability with third-party systems, and integration with additional UAV platforms or operational modules as required by the procuring agency.

(c) **Originality of Software Solution**

- (i) The software proposed under this RFP shall be an original solution developed by the bidder, with complete ownership or appropriate licensing rights for all core components and shall be delivered with full technical documentation and source code where applicable.
 - (ii) The proposed software framework should not be subject to the existing copyright. If copyright violation is discovered, the liability will be held on the bidder and a legal action will be taken accordingly.
 - (iii) The proposed solution shall not be a repackaged or redistributed proprietary software product of another OEM unless explicitly approved by the procuring agency and accompanied by the required licensing rights and documentation.
 - (iv) The bidder shall ensure that the developed software fully complies with the functional and technical specifications defined in this RFP and is supported with appropriate documentation, testing reports, and version control mechanisms.
- (d) **System Integration:** The bidder shall ensure that the developed software is fully compatible with the existing GreenAI ecosystem, including the UAS-ASMS framework, Ground Control Station infrastructure, telemetry communication systems, and the GreenAI Gateway. The bidder shall also support software deployment, configuration, testing, and integration in coordination with the relevant technical teams of the GreenAI project to ensure reliable and efficient operation of the multi-UAS control system.
- (e) **Core Features:** Main features of the customized GCS features for UAS-ASMS Phase II applications are given below:

Table 6. Features of customized GCS Software

S No	Features
1.	The system shall support a minimum of three (3) simultaneous UAVs

	(VTOL and Quadrotor), with architecture designed to allow future scalability to additional UAVs without major redesign.
2.	Each drone shall have its own selectable window or tab.
3.	When a drone tab is opened, the operator shall have access to the complete set of Ardupilot Mission Planner operational capabilities, including but not limited to parameter management, flight actions, sensor calibration, flight modes, log download, geofence configuration, rally points, and firmware services, without functional restriction.
4.	A dedicated tab shall display live positions, trails, waypoints, and stats for all drones simultaneously.
5.	This page shall include protected soft buttons for RTL, LAND, and Upload New Trajectory.
6.	Buttons shall require confirmation through double press, hold, or popup acknowledgement. Confirmation pop-up before execution of command.
7.	Only authorized Ground Control Software instances shall be permitted to establish telemetry or command connections with UAVs.
8.	Authentication shall require secure credential verification (password, token, or certificate-based authentication) before a connection is established.
9.	The system shall log all connection attempts, including timestamp, source identifier, authentication status, and UAV identifier.
10.	When a mission is prepared, it shall not go directly to the drone.
11.	Mission data must first be transmitted to the C2 center.
12.	C2 may approve, reject, or modify the mission.
13.	Only after approval shall upload to the drone be enabled.
14.	Commands issued by the C2 center shall override and take precedence over all local operator commands when conflict occurs.
15.	The C2 center shall be capable of issuing, at minimum, the following commands; RTL, LAND, and Replace Trajectory/Mission-update commands.
16.	The local GCS interface shall clearly indicate when C2 has active command authority or override control.
17.	All data visible in the GCS shall be streamed to C2 in real time, including GPS, battery, attitude, mission status, and warnings.
18.	The Command and Control (C2) center interface shall display key flight telemetry for each connected UAV, including at minimum ground speed, altitude, and heading, updated in real time.
19.	The system shall provide an operator-controlled toggle allowing the enablement or suppression of the above telemetry display for each UAV individually at the C2 center
20.	Both GCS and C2 shall store mission uploads, approvals, overrides, and operator actions. C2 having higher priority in case of conflict.

21.	Logs shall be exportable; Logs shall be automatically stored in predefined directory structures. Folders shall be organized by date, drone ID, and mission. Both GCS and C2 shall maintain synchronized copies where network is available.
22.	The system shall perform automatic self-tests at startup and continuously during operation.
23.	Telemetry connection status shall be displayed for each UAV.
24.	Signal strength / link quality shall be visible.
25.	Connection health shall be represented using intuitive indicators (e.g., green = healthy, red = lost).
26.	Loss of telemetry shall immediately generate audible and visual alerts.
27.	The system shall continuously monitor communication with the C2 center.
28.	Data transmitted to C2 must require acknowledgement (ACK).
29.	If acknowledgement is not received, packets shall be automatically retransmitted until success or timeout.
30.	Operators shall be informed of delayed or failed delivery.
31.	The system shall provide a dedicated tab summarizing the health of: <ul style="list-style-type: none"> • each drone link • C2 link • server/cloud link (if applicable)
32.	Historical uptime/downtime shall be viewable.
33.	The user interface must resemble Mission Planner to minimize operator retraining.
34.	The visual design, color philosophy, and interaction model shall follow professional standards comparable to Mission Planner or QGroundControl.
35.	The interface shall remain familiar to trained GCS operators to minimize retraining burden.
36.	The GCS shall implement two-step authentication, consisting of a local boot-up password followed by remote authentication with the AgriVerse user management database.
37.	The system shall support RTK positioning for all connected UAVs through a single RTK injection mechanism.
38.	For each UAV operating in the field, the GCS shall display detailed GPS parameters, including signal strength, number of satellites connected, and positioning precision metrics.
39.	The system shall display battery and power status for each UAV, including current, voltage, consumed power, and remaining battery

	capacity.
40.	The GCS interface shall include a basemap visualization of the operational environment to support safe mission planning and identification of restricted or unsafe operational areas.
41.	The system shall automatically warn operators when missions are planned in areas with weak or unreliable GPS coverage.
42.	The system shall support grid-based mission planning, design, saving, and retrieval of mission plans from disk or aircraft memory.
43.	The system shall support separate control command sets for each UAV category (Cat-A, Cat-B, Cat-C) based on their flight dynamics and operational characteristics.
44.	The system shall provide customizable data widgets and camera preset configurations for each UAV type, including add, edit, and delete functionality.
45.	The GCS shall support multiple mission monitoring layouts, including Single-View, Multi-Map, and Multi-View monitoring modes.
46.	The system shall detect potential mission conflicts between UAVs and notify the operator when a collision risk (UAV safety bubble violation) is detected during flight operations.
47.	The system shall provide automated handling for low-priority warnings, while presenting high-priority emergencies to the operator through a prioritized emergency panel.
48.	The GCS shall support multiple long-haul communication links with the C2 center, including SATCOM (primary), GSM network (secondary).
49.	An option to select media synchronization priority shall be available.
50.	GCS should have the option to connect with an external screen through casting.

Additional Notes

Table 7. Additional Notes for customized GCS Software

S No	Additional Notes
1.	The vendor shall provide minimum two (2) years of free maintenance.
2.	All bugs, crashes, and malfunctions must be corrected without additional cost.
3.	Each update shall include release notes specifying fixes and improvements.
4.	The software shall maintain stable continuous operation during extended mission periods without crashes or service interruptions.
5.	The software shall implement robust exception handling and memory management to prevent memory leaks, freezes, or unhandled runtime failures during operation.
6.	The software shall be stable, crash-free, and suitable for

	continuous mission operations.
7.	Memory leaks, freezes, and unhandled exceptions will be unacceptable.
8.	CPU and RAM utilization shall be optimized for field deployment.
9.	The vendor shall follow professional software quality assurance practices including version control, regression testing, and documented releases.
10.	The delivered system shall undergo formal acceptance testing against all requirements listed in this specification. Non-compliance with any mandatory requirement shall constitute grounds for rejection of the delivered software.

4. List of Goods or Bill of Quantities

Table 8. Bill of Quantities for GCS Software

S. No	Description	Quantities
1	Complete Source Code (Annex 'A') – softcopy saved in electronic storage format	04
2	A fully compiled and running application with all implicit dependencies (saved in electronic storage format)	04
3	Complete System Architecture Documentation	04

Note: The Procuring Agency reserves the right to drop the order of any given accessory without defining any reason. Additionally, the procuring agency may vary the quantities specified for the UAS equipment within a range of 15% in accordance with PPRA Rules 2004.

PREPARATION OF PROPOSAL

1. Format of the Technical Offer is as follows:
 - (a) All Forms and applicable Annexures completed & signed with no information missing.
 - (b) Company Profile - Provide a thorough description of the Bidder's business, expertise, developed products/services, mission and how this proposal is compatible with the Bidder's overall business objectives.
 - (c) Design Plans
 - (i) A full description of the proposed Software design against requirements outlined in SRS-01 along with appropriate justification for selection of specific platform configurations.
 - (ii) Include specifications and data for meeting all the technical requirements in SRS-01, along with any other relevant information.
2. A description of the Bidder's design process as well as a basic description of intended pathways to deployment, maintenance, and operator training.

3. Supporting Material

- (a) Supporting material should include proposed system design architecture documents. It may also include product videos as per requirements of the Evaluation Criteria.
- (b) A list of all media/soft items submitted on the USB drive shall be attached in print form with the Technical Proposal.

4. Timeline

- (a) Estimated time required to complete each stage of the project.
- (b) Stages may include design, prototyping, manufacturing, and any other milestones.
- (c) Estimated total time to complete the project from the design to the presentation of a viable product for purchase.

5. Human & Technical Resources

- (a) A description of the relevant experience of key team members in Form A-2.
 - (b) A description of the relevant technical resources in Form 3 of pre-qualification RFP.
 - (c) The purpose of this section is to show that the Bidder has enough expertise to complete the project.
6. **Additional information:** Bidders may include any additional information or documentation they deem necessary.
 7. The Technical Proposal Envelope shall contain the following:

- (a) **Form A-12 Letter of Proposal** dully filled and signed by authorized signatory
- (b) **Form A-1** Bidder's General Data Information Form
- (c) **Form A-2** Professional Profiles for Key Resources
- (d) **Form A-3** Technical Resource Record
- (e) **Annexure D to Annexure G** dully filled & signed by authorized signatory.
- (f) Bid Security in the form described in Bidding Process Instructions.
- (g) Letter of Authorization to sign the contract on behalf of the Bidder.
- (h) All Digital media on a USB drive with list of contents attached in hard copy.

8. The Bidder will submit its Financial Proposal in the form as provided in **Annexure – C**. The Financial Proposal Envelope shall consist of one (1) original copy and two (2) hard copies. The original and two (2) hard copies of the Financial Proposal are required to have the signature of a duly authorized person of the Bidder with the Bidder's seal/ stamp.

9. Any Bid received by the procuring agency after the Deadline for Submission of Bids shall be rejected and returned unopened to the Bidder. Delays in the mail/courier, delays of person in transit, or delivery of a Bid to the wrong office shall not be accepted as an excuse for failure to deliver a Bid at the proper place and time. It shall be the Bidder's responsibility to determine the way timely delivery of its Bid will be accomplished either in person, by messenger or by mail/ courier.

(LETTER OF PROPOSAL)

[On Letterhead paper of the Bidder including full postal address, telephone no., fax no., e-mail address etc.]

Dated _____

Project Director, GreenAI
NASTP Alpha 19.
Old Airport Road, Rawalpindi
Email: pd@greenai.org.pk

Dear Sir,

1. Reference is made to the tender Enquiry No. _____.
2. Attached to this letter are documents listed below defining:
 - (a) The principal place of business.
 - (b) Duly filled-in all Proposal Forms along with required supporting documents and all other documents required to be submitted along with proposal.
3. We agree to abide by this Bid for a period of 90 days after the date fixed for technical proposal opening, or as extended, as per instructions given in RFP and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
4. We have submitted the Bid Security for an amount provided for in the RFP which is part of our Bid, issued in accordance with the provisions of the RFP, along with our technical proposal.
5. If our Bid is accepted, we will submit the Performance Guarantee for the required sum on the form as provided for in the RFP issued in accordance with the provisions of the RFP.
6. The procuring agency reserves the right to annul the procurement process. Further, procuring agency may reject all bids or proposal at any time prior to award of contract without incurring any liability to the affected bidders or any obligation to inform the affected bidders of the justification for procuring agency' action.
7. The procuring agency and its authorized representatives may contact the following persons for further information, if needed: -

Contact 1	Tel:
Contact 2	Tel:

8. This Proposal is made with the full understanding that:
- (a) Bids will be subject to verification of all information submitted for Request for Proposal at the time of bidding.
 - (b) The procuring agency reserves the right to amend the scope and value of any Contract under this project.
9. The undersigned declare that the statements made, and the information provided in the duly completed Proposal are complete, true, and correct in every detail.

Stamp & Signatures

(In capacity of)

Duly authorized to sign bid for and on behalf of

WITNESS:

Signature

Address _____

BIDDER INFORMATION

Company Name	
Company Owner	
Company Registration	
Company Registration Date	
Company Address	
Workshop Address (if applicable)	
Phone Number	
Email Address	
Company Website (URL)	

Focal Person Details:

Full Name	
Position/Title	
City	
Phone Number	
Email Address	
Other Contact Info	

 (Name)

(Designation)

PROFESSIONAL PROFILES FOR KEY RESOURCES

a) Resource Person Information

Name of Firm	
Name of Resource Person	
Proposed Position	
Highest Qualification	
Years of Experience	
Area(s) of Expertise	
PEC no: (applicable to engineers)	

2. Education:

[Summarize college/university and other specialized education of staff member, giving names of institutions, dates attended, and degrees obtained.]

Name of Institution	Degree Title	Year of passing

3. Key Skills:

[Give an outline of staff member's technical, soft, and hard skills that are pertinent to tasks assigned on this project. Use up to one page].

4. Professional Experience:

[Summarize professional experience in reverse chronological order]

Organization	Year	Position	Project / Assignment	Description of tasks performed by resource person

5. Certifications / Workshops and Short courses

[Enlist the certifications obtained, workshops and short courses attended that are pertinent to tasks assigned on this project]

6. Details of Tasks Assigned on this Project

7. Certificate

I, the undersigned, certify that to the best of my knowledge and belief, these biodatas correctly describe myself, my qualifications, and my experience.

Signature of Staff Member

Authorized official of firm

***Note:** Provide the details of all currently hired work force involve in this project including engineers, technicians as well.

Form 'A-3'

TECHNICAL RESOURCES RECORD

Name of Bidder: _____

S. No.	Equipment / Resource	Role / Use	Owned / Outsourced

(Name)

(Designation)

EVALUATION CRITERIA

The evaluation committee appointed by the Project Director GreenAI project shall carry out its evaluation, applying the evaluation criteria and point system specified hereunder:

1. Mandatory Requirements

All mandatory requirements / documents have already been received and accepted by the procuring agency during pre-qualification phase. However, the bidder is to fill all the forms and meet other proposal preparation requirements as given in **Annexure 'A'**. Procuring Agency reserves the right to disqualify a bidder in case if desired documents / forms or data is found incomplete / missing.

2. Detailed Requirements

(a) Only the pre-qualified firms will be considered for detailed evaluation of technical bids. The detailed evaluation shall be carried out based on the criteria for the different categories and minimum passing marks prescribed hereunder:

S No	Category	Maximum Marks	Passing Marks
1.	Relevant Technical Experience	25	70%
2.	Software Architecture & System Design	25	
3.	System Integration Capability with UAV Platforms and Communication Systems	20	
4.	Proposed Solution Capability (Multi-UAS Control, Mission Planning, Telemetry Management)	20	
5.	Solution Presentation	10	
Total		100	

***Minimum passing criteria in each category is 70%.**

(b) Technical bid of firms scoring less than seventy percent (70%) overall marks or failing to obtain minimum passing marks against any of the above-mentioned category shall be rejected and their financial bids will be returned unopened. Each responsive technical bid shall be attributed a technical score (**S_t**).

(c) The evaluation committee shall determine whether the financial bids are complete and without computational errors. The lowest financial bid (F_m) shall be given a financial score (**S_f**) of 100 points. The financial scores of the bids shall be computed as follows:

$$S_f = 100 * \frac{F_m}{F} \quad (F = \text{amount of specific financial bid})$$

(d) Bids, in the quality cum cost-based selection (QCBS) shall finally be ranked according to their combined technical (S_t) and financial (S_f) scores using the weights (T= **60%** is the weight given to the technical bid, P=**40%** is the weight

given to the financial bid, T+P=100):

$$S = St * T\% + Sf * P\%$$

(e) Work will be awarded to the firm offering most advantageous bid evaluated as the highest ranked bid based on cost and quality.

FINANCIAL PROPOSAL FORM

1. TENDER INQUIRY No: **NASTP-GREENAI-SW-ACAST/04/2026**
2. Time and Date of opening: **06 April, 2026 at 1130hrs**

i. PRODUCTION READY SOFTWARE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S No	Proposed Service	Item / Component	Description / Specifications	Cost in Fig	Sales Tax in Fig	Total Price in Fig	Total Price in Words
1	Customized GCS Software	GCS Software					
2	Documentation Manuals	Documentation Manuals					
2	System Documentation	Complete Documentation Manuals					

ii. TRAININGS / TRIALS / SERVICES FOR PRODUCTION READY PLATFORMS

S No	Proposed Platform (Multirotor)	Services Category	Description	Frequency / Duration / No of Trainees etc.	Charges / Cost in Fig	Applicable Tax in Fig	Total Cost in Fig	Total Cost in words
1								
2								
3								
4								

***Note:** All sub-modules and services are to be quoted separately. Taxes on Services like Flight trials, trainings etc. are to be quoted as per GoP rules. Financial quotes for Modules to separately include at least following sub-categories: Baseline UAV, Production Ready UAV, Sensors (separate for Baseline and Production Ready), Datalink, GCS, and Accessories (carrying case, spares, etc.). Quote for trainings, trials, etc. to be quoted separately.

Grand Total _____Rs.

In Words _____

(Name)

(Designation)

UNDERTAKING

(Fill in and Return)

To

**Project Director (Green AI)
Project Management Unit
NASTP A-19, Rawalpindi**

Dear Sir,

I/We hereby submit our bid to supply "**DESIGN & DEVELOPMENT OF UAS-ASMS SOFTWARE PHASE II**" detailed in the SRS as you may specify in the contract at the prices given in Annex "C" and further agree that this bid will remain valid up to 90 days from the date of bid opening and will not be withdrawn or altered in terms of rates quoted and the condition stated therein on or before this date.

I/We understood the instructions to Tenders and condition of contract as laid down in tender document and thoroughly examine specification / drawing and / or patterns quoted in the Schedule to Tender and am/are fully aware to the nature of the goods required and my/our offer is to supply goods strictly in accordance with the requirements.

Witness's Signature:

Name:
N.I.C No.
Address:
Date:

Signature of Bidder:

Name:
N.I.C No.
Capacity in which Signing:
Address:
Date:
Tel: Telex/Fax

**FORMAT OF AFFIDAVIT /
UNDERTAKING**

**Bidder must submit following undertaking (on stamp paper of Rs.100),
failing which the bid may be rejected at the discretion of procuring agency:**

(a) I, Mr. S/o..... holding CNIC#
..... from M/s Having Its business office at
....., do hereby solemnly affirm and declare as under;

(b) That M/s is not engaged, under investigation or
offences or no proceedings are pending before FBR, Customs, NAB, any
Judicial form, FIA or any other Govt. authority with respect to fraud, terror
financing, money laundering etc.

(c) We also confirm that our firm has not been blacklisted by any
National/International organization or forum and is entitled to carry out its
business activities to the standard business ethics.

(d) That the Partner(s) / Officers of M/s..... have not
been subject to financial crime. Nor they every compounded with their creditors
in any capacity.

(e) The above statement is true to the best of my knowledge and belief
and nothing has been concealed or is false.

Note: In case any bidder is found in the list of “Blacklisted Firms-Pakistan” or
related links at <https://www.ppra.org.pk/> then its bid shall be rejected

Name: _____

Signature: _____

Stamp: _____

**NON-DISCLOSURE AGREEMENT (NDA) OF CONFIDENTIAL
INFORMATION**

Except as required to further the relationship between the procuring agency and M/s _____ or as expressly authorized in writing on behalf of procuring agency, M/s _____, its shareholders/partners, directors, advisors, officers, and employees shall not disclose, provide or share directly or indirectly by any mean (verbal, writing, social media), any Confidential Information (partial or complete) during the period of his/her relationship with the procuring agency or any time after the termination of such relationship.

Signed

Signed

Bidder

Bidder

Dated:

Dated:

Annexure “G”

**CERTIFICATE FOR CORRECTNESS OF
DATA / DOCUMENTS / INFORMATION**

(Date.....)

It is certified that the data/ documents/ information submitted in our Proposal is absolutely correct to best of our knowledge and we accept full responsibility for its accuracy.

We understand that any false or incorrect data/ documents/ information may result in disqualification of our bid at any stage of procurement process.

Signature of Authorized Representative: _____

Name/Designation of Authorized Representative: _____

Designation of Authorized Representative: