



NO. AD. A&F (DOCC&CF)-P&M-2  
**DIRECTORATE OF CLIMATE CHANGE &  
CARBON FINANCE**  
**ENVIRONMENT, CLIMATE CHANGE &  
COASTAL DEVELOPMENT DEPARTMENT**  
**GOVERNMENT OF SINDH**

Karachi, Dated: 14<sup>th</sup> April ,2026

Name of Procurement	Amount	Tentative Date of Award of Contract
Procurement of Plant & Machinery & Hardware	Rs. 9,365,400	May 20 <sup>th</sup> 2026

Assistant Director (Admin & Finance)  
Directorate of Climate Change & Carbon Financing



**DIRECTORATE OF CLIMATE CHANGE &  
CARBON FINANCE  
ENVIRONMENT, CLIMATE CHANGE &  
COASTAL DEVELOPMENT DEPARTMENT  
GOVERNMENT OF SINDH**

Karachi, Dated: 17<sup>th</sup> April, 2026

**Tender Notice**

**Procurement, Supply & Installation of Plant & Machinery and Hardware**

Sealed bids are invited from interested manufacturers, authorized dealers, and suppliers registered with tax authorities for the **Procurement, Supply & Installation of Plant & Machinery and Hardware** for the Directorate of Climate Change & Carbon Financing under **Single Stage – Single Envelope Procedure** as per SPP Rules.

**1. Scope of Work**

The work includes **supply, delivery, installation, testing, and commissioning of Plant & Machinery and Hardware items** as per specifications mentioned in the bidding documents.

**2. Eligibility Criteria**

*(As per SPP Rules & Standard Bidding Documents)*

Bidders must fulfill the following mandatory criteria:

1. Valid registration with Income Tax (NTN) and must be on Active Taxpayer List (ATL) of FBR.
2. Valid Sales Tax Registration (SRB).
3. Bidder must not be blacklisted by any Government / Semi-Government / Autonomous Body.
4. Minimum **03 years relevant experience** in supply of Plant & Machinery and Hardware in public/private sector.
5. At least **03 similar completed assignments** in the last 03 years.
6. Annual turnover of at least **Rs. 10 million**.
7. Affidavit on stamp paper stating that the firm has not been blacklisted.

*Incomplete documents or failure to meet mandatory requirements shall result in disqualification.*

**3. Bid Security (Earnest Money)**

Bid Security amounting to **Rs. 200,000 (Rupees Two Lac Only)** in the form of Pay Order in favor of **Executive Director, Directorate of Climate Change & Carbon Finance** must accompany the bid as per SPP Rules.

**4. Bidding Procedure**

The tender will be conducted under:

**Single Stage – Single Envelope Procedure**

**5. Tender Schedule**

- **Availability of Bidding Documents:** From 19<sup>th</sup> April 2026 to 5<sup>th</sup> May 2026 (5<sup>th</sup> May)
- **Last Date & Time for Submission:** 5<sup>th</sup> May 2026 at 12:00 p.m. (5<sup>th</sup> May)
- **Opening of Bids:** 4<sup>th</sup> May 2026 at 12:30 p.m. in presence of bidders or their authorized representatives
- **Submission Method:** Submission via ePADS

**6. Bid Validity**

Bids shall remain valid for **90 days** from the date of opening.

**7. Evaluation Criteria**

Bids will be evaluated as per evaluation criteria mentioned in the bidding documents.

Contract will be awarded to the **most advantageous bid**.

**8. Performance Security**

The successful bidder shall submit **10% of the contract price** as Performance Security in the form of Pay Order / Bank Guarantee within **07 days** of issuance of Letter of Acceptance.

**9. Tender Fee**

The Tender Document can be obtained from the office of the undersigned upon submission of a **non-refundable tender fee of Rs. 10,000** in favor of Executive Director, Directorate of Climate Change & Carbon Finance

ABDUL SATTAR SOCMIR  
D.D.O (KQ-3033)  
Directorate of Climate  
Change & Carbon Finance  
Govt. of Sindh

(ABDUL SATTAR)  
Assistant Director A&F

Directorate of Climate Change & Carbon Finance

**TENDER**

# **BID DOCUMENT**

**FOR THE**

**PROCUREMENT OF PLANT & MACHINERY &  
COMPUTER EQUIPMENT FOR DOCC&CF**

**Bid closing Date is 5<sup>th</sup> May 2026 at 12: p.m**

**Bid opening Date 5<sup>th</sup> May 2026 at 12.p.m**

**SINGLE STAGE SINGLE-ENVELOPE**

<b>PART</b>	<b>Contents of Bidding Documents</b>
<b>A.</b>	<b>TENDER INFORMATION</b>
1.	Brief Introduction
2.	Instructions To Bidders (ITB)
3.	The Bid Document (Contents, Amendments & Clarification)
4.	Bid Preparation: Procedure
5.	Bid Submission
6.	Bid Opening And Evaluation
7.	Acceptance Of Bid And Award Criteria
<b>B.</b>	<b>GENERAL CONDITIONS OF CONTRACT (GCC)</b>
<b>C.</b>	<b>SPECIAL CONDITIONS OF CONTRACT (GCC)</b>
	Forms( if applicable)
	Annexures A, B, C, D
<b>E.</b>	<b>INVITATION TO BID</b>
<b>F.</b>	<b>BID DATA SHEET</b>
<b>G.</b>	<b>BIDDER'S QUALIFICATION CRITERIA</b>
<b>H.</b>	<b>BILL OF QUANTITIES (B.O.Q.)</b>

## **BRIEF INSTRUCTIONS**

*Dear Bidder,*

The Directorate of Climate Change & Carbon Finance appreciate your interest in response to this Tender, which is advertised as per SPPRA Rule #17.

The bidder is expected to examine the Bidding Document, including bid data sheet, evaluation criteria, bill of quantities and terms & conditions. Failure to furnish all information required in the Bidding document shall result rejection of the Bid. In case of any conflict, instructions / provisions herein with the Sindh Public Procurement Rules, 2010 (Amended 2019) (“the Rules”), the Rules shall be applicable.

This Bidding Process will be governed under Sindh Public Procurement Rules, 2010, as amended from time to time during the completion of the contract.

### **CONTENTS OF BID DOCUMENT**

The Bidding Document in addition to the Notice Inviting Tender (NIT) include:

- i. Instructions to Bidders (ITB).
- ii. General Conditions of Contract (GCC).
- iii. Bid Data Sheet
- iv. Bidder’s Qualification / Evaluation Criteria
- v. Bill of Quantity.
- vi. Form & Annexures.

Thank you.

**Assistant Director Admin & Finance**

Directorate of Climate Change & Carbon Finance Karachi.

## **INSTRUCTIONS TO BIDDERS. (ITB)**

### **1. SOURCES OF FUNDS**

- 1.1 The Procuring agency has government funds from the source(s) indicated in the bid data sheet in Pak Rupees towards the cost of the procurement of PLANT & MACHINARY & COMPUTER EQUIPMENT specified in the bidding data and it is intended that part of the proceeds of this funds will be applied to eligible payments under the contract for which these bidding documents are issued.
- 1.2 Payment by the Fund will be made by procuring agency from directorate's funds or only at the request of the Procuring agency and upon approval by the Government of Sindh

### **2. ELIGIBLE BIDDERS**

- 2.1 This Invitation for Bids is open to all original Manufacturers, within Pakistan and abroad, and their Authorized Sole Agents / Importers / Distributors.
- 2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Department to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
- 2.3 Bidders shall demonstrate their eligibility.
- 2.4 Bidder should not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government organization.

### **3. ELIGIBLE GOODS**

- 3.1 All goods are eligible without consideration of their origin.
- 3.2 Origin means the place where the goods are manufacture or produce or the place from which the related services are supplied.
- 3.3 All goods mentioned in Bill of Quantity(BoQ) and related services to be supplied under the contract shall have their origin in eligible source from foreign countries and all expenditures made under the contract shall be limited to such goods and services.

### **4. COST OF BIDDING**

- 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid. The Procuring agency will not be responsible or liable for those costs.

## **THE BID DOCUMENT**

### **5. CONTENTS OF BIDDING DOCUMENTS**

- 5.1 The Bidding Documents: In addition to the Invitation for Bids (IFB) / Tender Notice, the bidding documents include:
  - i. Instructions to Bidders (ITB);
  - ii. General Conditions of Contract (GCC);
  - iii. Special Conditions of Contract (SCC);
  - iv. Contract Form;
  - v. Manufacturer's Authorization Form;
  - vi. Price Schedules.
  - vii. Schedule of Requirements;
  - viii. Technical Specifications;

#### **Note:**

- a. In case of discrepancies between the Invitation for Bids (IFB) / Tender Notice and the Bidding Documents, the Bidding Documents shall take precedence.
- b. The bidders are expected to examine and understand all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish complete information required in the bidding documents or to submit a bid not substantially responsive to the bidding documents may result in rejection.

### **6. AMENDMENT / CLARIFICATION OF BID DOCUMENT**

- 6.1 In case Interested Bidders require any clarification regarding bid document, may notify the Procuring Agency in writing as per SPPRA Rule 23(1).
- 6.2 At any time prior to the deadline for submission of bids, the Procuring Agency may, for any reason, whether at its own

initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.

- 6.3 All prospective bidders that have received the bidding documents will be notified the amendment(s) in writing, which will be binding on them.
- 6.4 In order to allow prospective bidders reasonable time to take the amendment(s) into account in preparing their bids, the Procuring Agency may, at its discretion, extend the deadline for submission of the bids.

## **BID PREPARATION**

### **7. *BID PROCEDURE***

- 7.1 Bids will be submitted at EPADS only as per SPPRA Rule 24.2.
- a. The bidder should submit tender fees and bid security, on or before the tender opening date.
  - b. Procuring agency shall evaluate the proposal in a manner prescribed in this bid document.
  - c. No amendments in the proposal shall be permitted during the evaluation process.
  - d. The Financial proposal(s) of non-responsive / disqualified bidders shall be not entertained.

### **8. *LANGUAGE OF BID***

- 8.1 The bid document as well as all correspondence by the bidder and the Procuring Agency shall be in English. Supporting documents and printed literature furnished by the bidder may be in another language provided these are accompanied by an accurate translation of the relevant passages in English.

### **9. *DOCUMENTS COMPRISING THE BID***

- 9.1 The bid prepared by the Bidders shall comprise as per requirement in eligibility criteria and evaluation criteria
- 9.2 The bid prepared by the Bidders shall comprise the following:
- a. Technical Proposal
  - b. Bid Form;
  - c. Price Schedule;
  - d. Documentary evidence to the effect that the Bidder is eligible to participate and qualified to perform the Contract if its bid is accepted;
  - e. Documentary evidence to the effect that the goods to be supplied by the Bidder are eligible goods and related services as defined in Clause- 3 and conform to the bidding documents; and
  - f. Bid Security.

### **10. *BID PRICES***

- 10.1 The prices and discounts quoted by the Bidders in the Bid Form and in the Price Schedules shall conform to the requirements specified below.
- 10.2 All items in the Schedule of Supply must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedule shall be assumed not to be included in the Bid.
- 10.3 The price to be quoted in the Bid Form shall be the total price of the Bid excluding any discounts offered.
- 10.4 The Bidder shall quote any unconditional discounts and the methodology for their application in the Bid Form.
- 10.5 Prices proposed in the Price Schedule Forms for Goods, shall be disaggregated, when appropriate. This disaggregation shall be solely for the purpose of facilitating the comparison of Bids by the Procuring Agency. This shall not in any way limit the Procuring Agency's right to contract on any of the terms offered:
- a. Price Schedule For Goods offered from within the Procuring Agency's country:

Detailed Specification of Stores, Country of Origin	Model / Cat No., Quantity of Stores	Name of Manufacturer. Unit
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- the unit price of the goods quoted on delivered duty paid (DDP) basis, including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of goods, or on the previously imported goods of foreign origin;
  - if there is no mention of taxes, the offered/quoted price will be considered as inclusive of all applicable taxes/duties. The benefit of exemption from or reduction in the GST or other taxes during the contract period shall be passed on to the Procuring Agency; and
  - the total price for the item.
- 10.6 Final Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A Bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected.

### ***BID CURRENCIES***

- 10.7 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.

## **11. DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATION**

- 11.1 The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted shall establish to the Procuring Agency's satisfaction that:
- a. In the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Procuring Agency's country;
  - b. The Bidder has the financial, technical, and production capability necessary to perform the contract;
  - c. In the case of a Bidder not doing business within the Procuring Agency's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Bidder's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
  - d. The Bidder meets the evaluation & qualification criteria of bidding document.

## **12. DOCUMENTS ESTABLISHING GOOD'S ELIGIBILITY AND CONFORMITY TO BID DOCUMENTS**

- 12.1 The Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract, pursuant to ITB Clause 8.
- 12.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 12.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:
- a. A detailed description of the essential technical and performance characteristics of the goods; and
  - b. An item-by-item commentary on the Procuring Agency's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 12.4 The Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procuring Agency in its Technical Specifications, are intended to be descriptive only and not restrictive, for purposes of the commentary to be furnished pursuant to ITB Clause 12.3(b) above.
- 12.5 The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Procuring Agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specification

## **13. BID SECURITY**

- 13.1 The Bidder shall furnish, as part of its proposal, a Bid Security in the amount and currency specified in the Bid Data Sheet and SCC. Unsuccessful bidders' Bid Security will be returned soon after approval of the successful Bidder. The successful Bidder's Bid Security will be discharged upon signing of contract and furnishing the Performance Security bond, duly guaranteed by a scheduled bank.
- 13.2 The Bid Security shall remain valid for a period of 28 days beyond the bid validity period.
- 13.3 The Bid Security is required to protect the Procuring Agency against the risk of Bidder's conduct, which would warrant the Security's forfeiture;
- 13.4 The Bid Security may be forfeited:
- a. if a Bidder withdraws its bid during the period of bid validity; or
  - b. in the case of a successful Bidder, the Bidder fails:
    - to sign the Contract; or
    - to complete the supplies in accordance with the General Conditions of Contract.

## **14. BID VALIDITY**

- 14.1 Bids shall remain valid for 90 days from the date of its opening. A bid valid for a shorter period shall be treated as non-responsive and rejected.
- 14.2 The Procuring Agency shall ordinarily be under an obligation to process and evaluate the bids within the stipulated bid validity period. However, for any reasons to be recorded in writing, if an extension is considered necessary, all those who have submitted their bids shall be asked to extend their respective bid validity period.
- 14.3 Bids shall remain valid for 90 days from the date of its technical opening. A bid valid for a shorter period shall be treated as non-responsive bid and shall be rejected

## **15. ALTERNATIVE BIDS**

- 15.1 Unless otherwise indicated in the BDS, alternative bids shall not be considered.

## **SUBMISSION OF BIDS**

## **16. E-Submission at SPPRA EPADS**

- 16.1 The bidders shall submit their bids at SPPRA EPADS only, however, the bid security and tender fees shall be sent to Procuring agency on or before tender opening date.

## **17. DEADLINE FOR SUBMISSION OF BIDS**

- 17.1 Bid must be submitted by the bidders and received by the Procuring Agency at the specified address not later than the

time and date specified in the Bid Data Sheet.

- 17.2 The Procuring Agency may, at its convenience, extend this deadline for submission of bids by amending the bidding documents in which case all rights and obligations of the Procuring Agency and the Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

**18. LATE SUBMISSION OF BID**

- 18.1 A bid received by the Procuring Agency after the deadline for submission of bids shall not be entertained and returned unopened to the bidder.

**19. MODIFICATION AND WITHDRAWAL OF BIDS**

- 19.1 The Bidder may modify or withdraw his submitted bid, by written notice received by Procuring agency prior to the deadline prescribed for submission of bids.  
19.2 No bid may be modified and withdrawn after the deadline for submission of bids.  
19.3 The Bidder may after its submission withdraw prior to the expiry of the deadline prescribed for submission of bids.

## **OPENING AND EVALUATION OF BIDS**

**20. OPENING OF BIDS BY THE PROCURING AGENCY**

- 20.1 The Procuring Agency will open all bids in the presence of bidders / representatives, at the time, date, and at the place specified in the Bid Data Sheet. The bidders / representatives shall sign attendance sheet.  
20.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, bid security and such other details as the Procuring Agency, at its discretion, will be announced at the opening of bid. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder.  
20.3 Bids that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.  
20.4 The Procuring agency will prepare minutes of the bid opening meeting.

**21. CLARIFICATION OF BIDS**

- 21.1 During evaluation process of the bids, the Procuring Agency may, at its discretion, ask the Bidder(s) for clarification of their bids. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

**22. PRELIMINARY EXAMINATION**

- 22.1 The Procuring Agency will examine the bids to determine whether complete, computational errors, required sureties have been furnished, the documents have been properly signed, and the bids are generally in order.  
22.2 Arithmetical errors will be rectified on the following basis:  
a. If there is any **discrepancy** in the product between unit price and total price, **the unit price shall prevail**, and the total price shall be corrected accordingly.  
b. If the Supplier does not accept the correction of the errors, its bid will be rejected, and bid security shall be forfeited.  
c. If there is any discrepancy found between words and figures, the **amount in words will prevail**.  
22.3 The Procuring Agency may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.  
22.4 Prior to the detailed evaluation, the Procuring Agency will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security, Applicable Law, and Taxes and Duties, will be deemed to be a material deviation. The Procuring Agency's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.  
22.5 If a bid is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

**23. EVALUATION AND COMPARISON OF BIDS**

- 23.1 The Procuring Agency will evaluate and compare the bids which have been determined to be substantially responsive.  
23.2 The Procuring Agency's evaluation of a bid will be on delivered duty paid (DDP) basis inclusive of prevailing duties/taxes/levies and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.  
23.3 The Procuring Agency's evaluation of a bid will take into account, in addition to the bid price quoted, one or more of the following factors, and quantified:  
a. **Incidental costs:** Incidental costs provided by the bidder will be added by Procuring Agency to the bid price at the final destination.  
b. **Delivery schedule offered in the bid:** The goods covered under this invitation are required to be delivered / shipped within an acceptable range of weeks specified in the Schedule of Requirement.  
c. **Deviations in payment schedule from that specified in the Special Conditions of Contract:** Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring Agency may consider the

alternative payment schedule offered by the selected Bidder.

- 23.4 For the purpose of comparison of bids quoted in different currencies, price shall be converted into Pakistani Rupees. The rate of exchange shall be the selling rate prevailing seven working days before the date of opening of the bids, as notified by the National Bank of Pakistan (NBP) / State Bank of Pakistan (SBP).

## **24. EVALUATION CRITERIA**

### **TECHNICAL EVALUATION OF BIDS**

- 24.1 The bids disqualified / not responsive to the Mandatory Qualification Criteria provided in this document shall not be eligible for further Technical or Financial Evaluation.
- 24.2 Joint Venture / Consortium Bids, are allowed.
- 24.3 Evaluation shall be based on the record / documentary evidence submitted by the bidder.
- 24.4 Bids should be fully responsive to the technical specifications of the goods.
- 24.5 Goods shall be evaluated as per the sample furnished or demo provided by the bidder for physical verification / technical evaluation.
- 24.6 The bids shall be evaluated as per evaluation criteria mentioned in these bidding documents.

### **FINANCIAL EVALUATION OF BIDS:**

- 24.7 Bids not accompanied by the Bid Security of required amount and form shall be rejected.
- 24.8 Procuring Agency shall not be responsible for any erroneous calculation of taxes and all differences arising out shall be fully borne by the Successful Bidder.
- 24.9 The bidder whose offered rate is found lowest amongst other technically qualified bidders shall be considered for acceptance of the offer provided that it fulfills the laid down terms and conditions of the tender.

## **25. CONTACTING THE PROCURING AGENCY**

- 25.1 No bidder shall contact the Procuring Agency on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If any bidder wishes to bring additional information to the notice of the Procuring Agency, it may do so in writing.
- 25.2 Any direct or indirect effort by a bidding firm to influence the Procuring Agency during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in the Procuring Agency's future bids.

## **26. REJECTION OF BIDS**

- 26.1 Notwithstanding anything stated here-before after the Procuring Agency may reject any or all bids at any time prior to the award of contract.
- 26.2 The Procuring Agency may communicate in written to a bidder for its rejection.
- 26.3 If any erasing and/or alterations in the submitted bid shall be authenticated by the authorized person by his full signature. Use of hand written writing and white fluid markers shall lead to rejection of bid.
- 26.4 Ambiguous and incorrect information in the submitted bid will result rejection of bid.

## **27. RE-BIDDING**

- 27.1 If the Procuring Agency has rejected all bids, it may move for a re-bidding or may seek any alternative method of procurement under the provisions of the prevailing Rules.

## **28. ANNOUNCEMENT OF EVALUATION REPORT**

- 28.1 The Procuring Agency will announce the Evaluation Report prior to the award of contract as per SPPRA Rule 45.

## **AWARD OF CONTRACT**

### **29. ACCEPTANCE OF BID AND AWARD CRITERIA**

- 29.1 The Procuring Agency will award the contract to the qualified bidder as per criteria mentioned in the bid data sheet.
- 29.2 The bids will be awarded, if not in conflict with any other law, rules, regulations or policy of the Government. The contract will be awarded within the original or extended period of bid validity.

### **30. PROCURING AGENCY'S RIGHT TO CHANGE QUANTITIES AT TIME OF AWARD**

- 30.1 The Procuring Agency reserves the right to change the quantity of item(s) mentioned in bill of quantity without any change in unit price or other terms and conditions.

### **31. LIMITATIONS ON NEGOTIATIONS**

- 31.1 The Procuring Agency reserves the right to hold negotiation of delivery schedule or completion schedule for all the items or any item.
- 31.2 Negotiations will not be used to change substantially:
1. the technical quality or details of the requirement, including the tasks or responsibilities of the bidder or the performance of the goods;
  2. the terms and conditions of the Contract and;
  3. anything affecting the crucial or deciding factors in the evaluation of the proposals / bid and / or selection of

successful bidder.

**32. NOTIFICATION OF AWARD OF CONTRACT**

- 32.1 Pursuant to Rule 45 of SPP Rules 2010 (Amended 2013), Procuring agency shall hoist the evaluation report on Authority's web site, and intimate to all the bidders seven days prior to notify the award of contract.
- 32.2 Prior to the expiry of the original or extended period of bid validity, the successful bidder will be informed in writing of acceptance of its bid by the Procuring Agency.

**33. SIGNING OF CONTRACT**

- 33.1 While conveying acceptance of bid to the successful bidder, the Procuring Agency will send the bidder Contract Form, incorporating all points of agreement between the Parties.
- 33.2 Within thirty (30) days of receipt of the Contract Form, the successful Bidder and the Procuring Agency will sign and date the Contract on legal stamp paper valuing 0.35% of the value of contract, (cost shall be borne by the bidder). In case the successful Bidder, after completion of all codal formalities, shows inability to sign the Contract, its Bid Security shall be forfeited. The firm may also be blacklisted from taking part in any future bidding of Procuring Agency for a period upto five Years. In such a situation, the Procuring Agency may make the award to the next lowest evaluated responsive bidder or move for re-bid.

**34. PERFORMANCE SECURITY**

- 34.1 The successful Bidder shall furnish Performance Security. Upon submission of Performance Security the Bid Security will be returned to the Bidder. The amount of Performance Security is specified at Bid Data Sheet.
- 34.2 Failure of the successful Bidder to comply with any of the requirements specified in this document shall be considered as sufficient grounds for the annulment of the award and forfeiture of the Bid Security, in which event the Procuring Agency may make the award to the next lowest evaluated Bidder at the risk and cost of the former.

**35. CORRUPT OR FRAUDULENT PRACTICES**

- 35.1 The Procuring Agency and the Bidders / Manufacturers / Contractors are expected to observe the highest standard of ethics during the procurement and execution of the Contract. In pursuance of this policy, the relevant terms / phrases as may apply are defined below:
  - (i) "**corrupt practice**" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution; and
  - (ii) "**Fraudulent Practice**" means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract to the detriment of the Procuring Agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial noncompetitive levels and to deprive the Procuring Agency of the benefits of free and open competition;
  - (iii) "**Coercive Practice**" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
  - (iv) "**Collusive Practice**" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- 35.2 The Procuring Agency will take all possible administrative / legal measures if it is found that the Bidder recommended for award was / is engaged in corrupt or fraudulent practice(s) before or after signing of the contract resulting into the conviction of the proprietor under criminal case besides blacklisting of the firm either indefinitely or for such period of time as may be determined by the Procuring Agency.
- 35.3 will declare a firm ineligible, either indefinitely or for a stated period of time, for the award of a Contract if it, at any time, determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing a Contract.

## B. GENERAL CONDITIONS OF CONTRACT (GCC)

*(For Procurement of Plant Machinery & Computer Equipment)*

### Scope of Contract

The Scope of the Contract shall include the procurement, supply, installation, testing, commissioning, and handing over of Plant Machinery and Computer Equipment, as specified in the Notice Inviting Tender (NIT), Technical Specifications, and Bill of Quantities (BOQ), for the Directorate of Climate Change & Carbon Finance.

### 1. DEFINITIONS

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Procuring Agency and the Bidder, including all annexures, appendices, and documents incorporated by reference.
- (b) "The Contract Price" means the total price payable for complete supply, installation, commissioning, and fulfillment of contractual obligations.
- (c) "Goods" means all plant machinery, computer systems, IT equipment, peripherals, components, and related materials required under the Contract.
- (d) "Services" means all related services including transportation, installation, configuration, integration, testing, commissioning, training, and maintenance support.
- (e) "GCC" means the General Conditions of Contract.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Procuring Agency" means the Directorate of Climate Change & Carbon Finance.
- (h) "Executive Director" means the Executive Director of the Directorate of Climate Change & Carbon Finance.
- (i) "Bidder / Supplier / Vendor" means the firm or individual supplying Goods and Services under this Contract.
- (j) "Specifications" means the technical specifications, drawings, BOQ details, and approved samples (if any).
- (k) "Day" means a working day excluding public holidays.
- (l) "Month" means a calendar month.
- (m) "Writing" includes all written or printed communication in visible form.

### 2. APPLICATION

2.1 These General Conditions shall apply unless superseded by provisions in other parts of the Contract.

### 3. SPECIFICATIONS / STANDARDS

3.1 All Goods supplied shall conform strictly to the Technical Specifications provided in the BOQ.

3.2 Plant machinery and computer equipment shall comply with international standards (ISO, IEC, IEEE, CE, or equivalent) where applicable.

3.3 Equipment shall be latest models, brand new, and unused, incorporating current industry technology.

### 4. USE OF CONTRACT DOCUMENTS AND INFORMATION

4.1 The Supplier shall not disclose Contract details without prior written consent.

4.2 Documents shall only be used for Contract execution.

4.3 All documents remain the property of the Procuring Agency.

4.4 The Procuring Agency may inspect Supplier records related to performance.

### 5. PATENT RIGHTS

5.1 The Supplier shall indemnify the Procuring Agency against all claims of infringement of intellectual property rights arising from supplied equipment.

### 6. STORAGE & SITE PREPARATION

6.1 The Supplier shall notify at least two (2) weeks prior to delivery.

6.2 For plant machinery, the Supplier shall coordinate with the Procuring Agency for site readiness, power availability, and installation conditions.

### 7. INSPECTIONS AND TESTS

7.1 Goods shall be subject to inspection and testing at:

- Manufacturer's premises
- Delivery point
- Final installation site

7.2 Supplier shall provide all facilities free of cost.

7.3 Non-compliant goods shall be replaced without cost.

7.4 Inspection does not waive warranty obligations.

### 8. DELIVERY, INSTALLATION & DOCUMENTATION

8.1 Delivery shall be as per Schedule of Requirements.

8.2 Supplier shall provide:

- User manuals
- Technical documentation
- Warranty certificates
- Installation and configuration reports

8.3 Installation, testing, and commissioning are mandatory for all plant machinery and IT equipment.

### 9. TRAINING (MANDATORY)

9.1 The Supplier shall provide operational and basic maintenance training to designated staff for:

- Plant machinery operation
  - Computer systems and network usage
10. TRANSPORTATION
- 10.1 Supplier shall ensure safe transport to destination.
- 10.2 Delivery shall be at consignee site (Central Store / designated installation site) at Supplier's risk and cost.
- 10.3 Includes loading, unloading, insurance, and handling.
11. INCIDENTAL SERVICES
- 11.1 Includes:
- Installation & commissioning
  - System integration
  - Testing and calibration
  - On-site support
- All costs shall be included in the bid price.
12. WARRANTY / GUARANTEE
- 12.1 Minimum 12 months warranty or extended as specified.
- 12.2 Covers:
- Parts replacement
  - Labor and service
  - On-site support
- 12.3 For machinery and IT equipment, warranty starts after successful commissioning.
13. PAYMENT
- 13.1 Payment terms shall be as per SCC, typically linked with:
- Delivery
  - Installation
  - Successful commissioning
14. ASSIGNMENT
- 14.1 No assignment without written approval.
15. DELAYS IN PERFORMANCE
- 15.1 Supplier must adhere to delivery schedule.
- 15.2 Delays must be notified in writing.
- 15.3 Extensions may be granted with/without penalties.
16. LIQUIDATED DAMAGES
- 16.1 Penalties shall apply for delays as per SCC.
- 16.2 Persistent delay may result in contract termination.
17. TERMINATION FOR DEFAULT
- 17.1 Contract may be terminated if Supplier:
- Fails delivery
  - Fails performance
  - Engages in corrupt practices
18. FORCE MAJEURE
- 18.1 Includes events beyond control such as:
- Natural disasters
  - War
  - Government restrictions
- 18.2 Supplier must notify immediately.
19. TERMINATION FOR INSOLVENCY
- 19.1 Contract may be terminated if Supplier becomes insolvent.
20. TERMINATION FOR CONVENIENCE
- 20.1 Procuring Agency may terminate without cause.
- 20.2 Compensation shall be mutually agreed.
21. DISPUTE RESOLUTION
- 21.1 Amicable settlement first.
- 21.2 Arbitration/legal process as per SCC if unresolved.
22. GOVERNING LANGUAGE
- 22.1 English shall be the governing language.
23. APPLICABLE LAW
- 23.1 Laws of the Islamic Republic of Pakistan shall apply.
24. NOTICES
- 24.1 All notices must be in writing.
25. TAXES AND DUTIES
- 25.1 Supplier responsible for all applicable taxes, duties, and levies until final delivery and commissioning.
26. SPECIAL REQUIREMENT FOR PLANT MACHINERY & IT EQUIPMENT

- Mandatory installation, testing, and commissioning certificate
- Equipment must be fully operational at handover
- Compatibility with existing infrastructure must be ensured
- Proper grounding, electrical safety, and system integration required

## Special Conditions of Contract

### 1. Definitions and Agency Context

The **Procuring Agency** is the Directorate of Climate Change & Carbon Finance, Government of Sindh. The **Bidder** refers to the successful firm or company awarded the contract for the supply of hardware or machinery.

### 2. Bid and Performance Security

The Bidder must furnish a refundable **Bid Security** in the form of a Pay Order in favor of the Directorate. Upon contract award, a **Performance Security** must be submitted.

- **Warranty Phase:** After successful delivery and acceptance, the performance security shall be reduced to **5%** of the contract price to cover warranty obligations.
- **Machinery Provision:** For Plant and Machinery, the full security will only be considered for reduction after the completion of successful commissioning and mandatory staff training.

### 3. Technical Standards and Climate Resilience

All goods must be brand new and meet the highest international standards (ISO/CE).

- **Hardware:** Laptops and desktops must be latest-generation (e.g., 14th Gen Intel or equivalent) to support carbon data modeling.
- **Climate Adaptation:** Any machinery intended for coastal or field use must feature **anti-corrosive treatments** and high-salinity resistance to ensure durability within the Sindh coastal belt.
- **Energy Efficiency:** Preference is given to equipment with Energy Star or EPEAT certification to align with the Directorate's green procurement goals.

### 4. Inspections, Tests, and Commissioning

All goods delivered to the Karachi store will be inspected by a duly constituted **Inspection Committee**.

- **Standard Hardware:** Inspection involves verification of specifications (RAM, SSD, Processor) and physical condition.
- **Plant & Machinery:** Acceptance is contingent upon a **Performance Acceptance Test (PAT)**, where the machinery must operate without failure for a minimum of 24–48 hours under standard load.

### 5. Delivery and Documentation

At the time of delivery, the bidder must provide:

- Original Delivery Notes and Invoices (in duplicate).
- **Manufacturer's Authorization Form (MAF)** and Warranty Certificates.
- **Calibration Certificates** (where applicable) for environmental monitoring sensors.
- Technical, Operating, and Service Manuals in English.

### 6. Enhanced Warranty and Maintenance

- **Standard Hardware:** Minimum one (1) year comprehensive on-site warranty.
- **Plant & Machinery:** Minimum **two (2) years** comprehensive warranty, including bi-annual preventive maintenance visits by the vendor's technical team.
- **Response Time:** For critical climate data infrastructure, the vendor must provide a "Next Business Day" response. If hardware remains non-functional for over 72 hours, a temporary backup unit of equal or higher specification must be provided.

### 7. Payment Terms

Payment shall be made in Pakistani Rupees within 60 days of the submission of a physical inspection report signed by the Chairman of the Inspection Committee. For machinery, payment is further linked to the successful completion of operator training for Directorate staff.

### 8. Data Security and Retention

In alignment with the sensitive nature of **Carbon Finance and Emissions data**, if a storage drive (SSD/HDD) fails during the warranty period, the **defective drive shall remain the property of the Directorate** to prevent data leakage. The vendor must provide a brand-new replacement drive at no additional cost without requiring the return of the faulty one.

### 9. Penalties and Liquidated Damages

Failure to deliver within the agreed timeframe will result in liquidated damages of **0.5% per week**, up to a maximum of 10% of the contract value. If delays exceed the 10% threshold, the Directorate reserves the right to cancel the contract, forfeit the Performance Security, and initiate blacklisting procedures under SPPRA rules.

### 10. Resolution of Disputes and Governing Law

Disputes shall be resolved through the grievance redressal mechanism provided under **Rules 31, 32, and 34 of the Sindh Public Procurement (SPP) Rules, 2010**. The contract is governed by the Laws of Pakistan, with exclusive jurisdiction in the courts of Karachi or Hyderabad.

**INTEGRITY PACT**  
**(AFFIDAVIT) On Stamp Paper Worth Rs.500**  
**SHOULD BE SUBMITTED AFTER RECEIPT OF AWARD LETTER**

**DECLARATION OF FEES, COMMISSION AND BROKERAGE PAYABLE BY THE  
SUPPLIERS/CONTRACTORS/CONSULTANTS.**

Contract Number: \_\_\_\_\_ Dated: \_\_\_\_\_  
Contract Value: \_\_\_\_\_  
Contract Title: \_\_\_\_\_

**[Name of Supplier/Contractor/Consultant]** hereby declares that it has not obtained or induced procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by Government of Sindh (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, **[Name of Supplier/ Contractor/ Consultant]** represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

**[Name of Supplier/Contractor/Consultant]** certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

**[Name of Supplier/Contractor/Consultant]** accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, **[Name of Supplier/Contractor/Consultant]** agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by **[Name of Supplier/Contractor/Consultant]** as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.

\_\_\_\_\_  
**[Procuring Agency]**

\_\_\_\_\_  
**[Supplier /Contractor/Consultant]**



**UNDERTAKING**  
ON STAMP PAPER (PKR 500/-)

Date:

**Tender Invitation to Bid Number** \_\_\_\_\_

**Procurement of** \_\_\_\_\_

**A-UNDERTAKING**

1. During the tender process, if the procuring agency found that the bidder is blacklisted by any procuring agency in Pakistan or found in-active / invalid at FBR website, the submitted bid shall be disqualified.
2. Bidder has submitted the correct and complete information along with the bid/offer. If any document / information is found forged / engineered / fake / bogus at any stage, the bidder may be declared as Blacklisted in accordance with law and the performance guarantee and payment (if any) shall be forfeited.
3. DoCC&CF reserves the right to reject any or all bids if any of Mandatory Requirement Criteria is not fulfilled or if required documents are not submitted.

**B-REQUIRED EXPERIENCE & TURN OVER**

1. The Bidder must have the requisite experience in the relevant field as required in Mandatory Requirements.
2. The Bidder has maintained the required annual turnover as required in Mandatory Requirements.

**C-SUPPLY OF ITEMS:**

1. The Bidder has quoted the items as per required specification.
2. The Bidder shall supply the items as per required make, model and quality.
3. The items shall be delivered as per specs, quality and within due time as mentioned in Purchase / Work Order.

**D-SPECIAL CONDITION:**

1. The Bid Validity Period is 90 Days and can be extendable as per SPPRA Rule # 38- 06 & 07.
2. The bidder has submitted the complete tender proposal with accurate data and material. If the Procuring Agency found at any stage a document or piece of information is forged, faked, or bogus, the Procuring Agency has the right to take necessary action as per SPPRA Rules.
3. Our firm carefully gone through the Terms & Conditions as mentioned in the bid document. The bidder has agreed all the terms & condition given in the bid document.

**E-BANK DETAILS**

1. The Bank Details for verification of Bid Security in the light of Sindh Public Procurement Rule 37-3 are as follows:
  - a. Bid Security Pay Order # \_\_\_\_\_, Date \_\_\_\_\_, Amount in PKR \_\_\_\_\_
  - b. Bank Manager Name: \_\_\_\_\_
  - c. Bank Manager Contact Details # \_\_\_\_\_,
  - d. Bank Manager email ID # \_\_\_\_\_.

*Authorized Signature*

*Name of the signatory* \_\_\_\_\_

*Bidder* \_\_\_\_\_

*Company Stamp / Seal:*

**PAST EXPERIENCE**  
**VALID LIST OF CLIENT’S DETAILS**  
**(ON BIDDER / COMPANY / FIRM'S LETTERHEAD)**

*[Location, Date]*

To: *[Name and address of Employer]*

Dear Sir,

I/we hereby mention following list of valid Clients details where our firm had provided services, supported by copies of Purchase Order / Work Orders & Performance Certificate / Satisfactory Performance Letters for your reference:

S. #	Name of Procuring Agency	Details of Procurement Department		Attach Copy of Purchase Order (Mandatory)	Attach Copy of Performance Certificate (Mandatory)
		Contact Person / Number	Official Email ID		
01					
02					
03					
04					
05					

Note: Must fill **Annexure-B** and attach documentary evidence in the shape of Purchase Order along with Satisfactory Performance Certificate, showing the relevant details.

*Authorized Signature*

*Name of the signatory* \_\_\_\_\_

*Bidder* \_\_\_\_\_

*Company Stamp / Seal:*

## DECLARATION OF ANNUAL TURNOVER AND INCOME TAX RETURN

(ON BIDDER'S / COMPANY / FIRM'S LETTERHEAD)*To: Chairman, Central Purchase Committee*NIT Ref: DoCC&CF /PC/  
for Tender “\_\_\_\_\_”.

Dated,

*Dear Sir,* Our firm hereby declares that the annual turnover for the specified period is as follows:

<b>Year</b>	<b>Annual Turnover</b> (Attach Income Tax Returns, required as Mandatory Documents)
Year 22-2023	
Year 23-2024	
Year 24-2025	
<b>TOTAL</b>	
<b>Total</b>	

<b>Supporting Document</b>	<b>YEAR</b>	<b>Yes / No</b>
Income Tax Returns		

**NOTE : ROWS / COLUMN MAY BE ADDED AS REQUIRED.***Authorized Signature**Name of the signatory* \_\_\_\_\_*Bidder* \_\_\_\_\_*Company Stamp / Seal:*

**ANNEXURE – D**

**PRICE SCHEDULE  
DELIVERED DUTY PAID (DDP BASIS)  
(On Bidder's Official Letterhead)**

**FOR GOODS OFFERED WITHIN THE PROCURING AGENCY'S COUNTRY**

*Tender:* \_\_\_\_\_

*ITB to Bidder* \_\_\_\_\_

<b>Sr.</b>	<b>Item Description</b>	<b>Make</b>	<b>Model / Cat No.</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Total Price (PKR)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Total Amount in Pak Rs. on DDP Basis</b>							

**NOTE : ROWS / COLUMN MAY BE ADDED AS REQUIRED.**

*Authorized Signature*

*Name of the signatory* \_\_\_\_\_

*Bidder* \_\_\_\_\_

*Company Stamp / Seal:*

**ANNEXURE – E**  
**BIDDER PROFILE / DETAILS**  
*(On Bidder / Company / firm's Letterhead)*

1.	Registered Company Name	
2.	Registration License Number issued by Ministry of Interior / Home Department (Attach documentary evidence)	
3.	National Tax Number (Attach documentary evidence)	
4.	General Sales Tax Number (Attach documentary evidence)	
5.	Sindh Sales Tax Number (Attach documentary evidence)	
6.	Other information	
7.	Years of Operation of Company after its Registration (Attach documentary evidence)	
8.	Managerial Capability i. Total no. of Permanent Staff ii. Total No. of Contract / Project Staff (Attach as separate Annexure)	
9.	Assignment in hand (Presently) (Attach as separate Annexure)	
10.	Bank Name and Branch	
11.	Bank Account Number	
12.	Additional Professional Registration Details (if any):	
13.	Postal address	
14.	PTCL Number	
15.	Mobile Number	
16.	E-mail ID	
17.	Blacklisting / Complaint / Litigation against the firm (By any govt. or other org. if any)	
18.	Name & Address of the companies / subsidiaries and associated companies, if any, with whom there is collaboration or joint venture	
19.	Whether pay order, for the requisite Bid Security enclosed? (Yes / No)	
20.	Anyother relevant detail	

***Authorized Signature [In full and initials]:***  
***Name and Title of Authorized Signatory:***  
***Name of Bidder:***  
***Stamp / Seal:***



**BID FORM**

To:

The Executive Directorate  
Directorate of Climate Change &  
Carbon Finance  
**Karachi.**

Dear Sir,

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the goods specified in the said Bidding Documents for the sum of **[Total Bid Amount Rs. \_\_\_\_\_]**, **[Bid Amount in words \_\_\_\_\_ only ]** or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this bid.

2. The free of cost / donation / discounts offered and the methodology for their application are: \_\_\_\_\_  
\_\_\_\_\_
3. We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.
4. If our bid is accepted, we shall submit the Performance Security \_\_\_\_\_ of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.
5. We agree to the validity of this bid for 90 days from the date fixed for financial bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Until a formal Contract is prepared and executed, this bid, together with the written acceptance thereof and notification of award, by the Procuring Agency, shall constitute a binding Contract between us.
7. We understand that you are not bound to accept the lowest or any bid you may receive.

Name \_\_\_\_\_

In the capacity of \_\_\_\_\_

Signed \_\_\_\_\_

Duly authorized to sign the Bid for and on behalf of \_\_\_\_\_

Date \_\_\_\_\_

Bidding Data sheet

Sr. No.	Description	Bid Data / Requirement
1	Procuring Agency	Directorate of Climate Change & Carbon Finance Karachi.
2	Tender Reference No.	
3	Project / Procurement Title	Procurement of PLANT & MACHINARY & COMPUTER EQUIPMENT
4	Method of Procurement	(Open Competitive Bidding Single Stage Single Envelope
5	Applicable Rules	SPPRA Rules, 2010 (Amended up to date)
6	Type of Contract	Goods
7	Bid Submission Deadline	Tuesday 5 <sup>th</sup> May 2026 at 12 p.m
8	Bid Opening Date & Time	Tuesday 5 <sup>th</sup> May 2026 at 12: 30 p.m
9	Bid Opening Place	Office of Secretary ECC&CDD Karachi.
10	Bid Validity Period	90 Days
11	Earnest Money (Bid Security)	Rs. 200,000 in the form of Pay order in favour of Executive Director Directorate of Climate Change & carbon Finance Karachi.
12	Bid Security Validity	28 days beyond bid validity period
13	Performance Security	10% of Contract Price
14	Completion Period	30 days
15	Pre-Bid Meeting	Not applicable
16	Eligibility Criteria	Given below.
17	Required Experience	3 years
18	Annual Turnover Requirement	10 million average annual Turn Over in last 3 years.
19	Joint Venture (JV)	Allowed with JV agreement required
20	Submission Format	Properly sealed, signed & stamped (Eligibility document & Financial in one document)
21	Number of Copies	Only uploading on epads.
22	Financial Proposal Requirement	BOQ duly filled, signed & stamped
23	Conditional Bids	Incomplete bids shall not be considered
24	Evaluation Criteria	Most Advantageous Bid
25	Clarification Period	Up to five days before submission deadline
26	Taxes & Duties	Inclusive of all applicable Federal & Provincial Taxes
27	Blacklisting	Bidder must not be blacklisted by any Government organization
28	Award of Contract	Subject to approval of Competent Authority
29	Payment Terms	As per contract agreement
30	Dispute Resolution	As per SPPRA Rules & relevant laws of Sindh

**Eligibility / Evaluation Criteria (Yes/No Basis)**

Sr. No.	Eligibility / Evaluation Criteria	Yes/No
1	The bidder must be a legally registered firm/company/authorized dealer under relevant laws of Pakistan.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	Registration with SRB	<input type="checkbox"/> Yes <input type="checkbox"/> No
3	Valid NTN and Active Taxpayer status with FBR.	<input type="checkbox"/> Yes <input type="checkbox"/> No
4	Valid Sales Tax Registration with FBR	<input type="checkbox"/> Yes <input type="checkbox"/> No
5	Minimum 03 years of relevant experience in supply of similar goods.	<input type="checkbox"/> Yes <input type="checkbox"/> No
6	Proven track record of at least 03 similar contracts at least having price of 10 million each with Government/Semi-Government/Autonomous/Private organizations.	<input type="checkbox"/> Yes <input type="checkbox"/> No
7	Copies of work orders/completion certificates provided.	<input type="checkbox"/> Yes <input type="checkbox"/> No
8	Minimum average annual turnover of PKR 10 million during last three (03) years.	<input type="checkbox"/> Yes <input type="checkbox"/> No
9	Bank statements of last three (03) years provided.	<input type="checkbox"/> Yes <input type="checkbox"/> No
10	Detailed technical specifications of the offered goods provided.	<input type="checkbox"/> Yes <input type="checkbox"/> No
11	Goods strictly conform to specifications in bidding documents.	<input type="checkbox"/> Yes <input type="checkbox"/> No
12	Manufacturer's authorization certificate provided (if bidder is not manufacturer).	<input type="checkbox"/> Yes <input type="checkbox"/> No
13	Compliance certificate confirming goods are brand new, unused, and latest model.	<input type="checkbox"/> Yes <input type="checkbox"/> No
14	Bidder is on Active Taxpayers List (ATL) of SRB.	<input type="checkbox"/> Yes <input type="checkbox"/> No
15	Not blacklisted by any Government/Semi-Government organization.	<input type="checkbox"/> Yes <input type="checkbox"/> No
16	Affidavit on stamp paper confirming blacklisting history.	<input type="checkbox"/> Yes <input type="checkbox"/> No
17	Written undertaking to supply goods within stipulated delivery period.	<input type="checkbox"/> Yes <input type="checkbox"/> No
18	<p><b>The Bidder shall provide the complete address of the manufacturing site and/or authorized display unit, where applicable, for verification of technical specifications of the offered sample.</b></p> <p>The Procuring Agency reserves the right to inspect the manufacturing facility or display</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Sr. No.	Eligibility / Evaluation Criteria	Yes/No
	unit to verify compliance with the required technical specifications before award of contract or during evaluation, if deemed necessary. Failure to provide accurate and verifiable information may result in rejection of the bid.	
19	Bid Security of Rs. 2,00,000 in the form of Pay Order in favour of Executive Director, Directorate of Climate Change & Carbon Finance.	<input type="checkbox"/> Yes <input type="checkbox"/> No
20	Tender Fees amounting to Rs. 10,000	<input type="checkbox"/> Yes <input type="checkbox"/> No

#### 4. Final Award

#### Specifications

Item		
Total Computer Equipments	Quantity	Amount
<p style="text-align: center;"><b>1. Printers</b></p> <p><b>Technical Specifications – Multifunction Printer (MFP)</b></p> <ul style="list-style-type: none"> <li>• <b>Functions:</b> Print, Scan, Copy, and Fax (Multifunction capability).</li> <li>• <b>Printing Technology:</b> Laser technology (monochrome or color).</li> <li>• <b>Print Speed:</b> Minimum 35–40 pages per minute (ppm).</li> <li>• <b>Print Resolution:</b> Minimum 1200 × 1200 dpi.</li> <li>• <b>Connectivity Options:</b> Wi-Fi, Ethernet, USB, wireless direct printing, and support for mobile printing protocols (e.g., AirPrint or equivalent).</li> <li>• <b>Duplex Printing:</b> Automatic double-sided (duplex) printing.</li> <li>• <b>Document Handling:</b> Equipped with an Automatic Document Feeder (ADF) for multi-page scanning/copying.</li> <li>• <b>Processor &amp; Memory:</b> Minimum processor speed of 800 MHz and memory capacity between 256 MB and 512 MB or higher.</li> </ul>	10	
<p>2.Laptops</p> <p><b>Technical Specifications – High-Performance Laptop</b></p> <p><b>1. Core Performance</b></p> <ul style="list-style-type: none"> <li>• <b>Processor (CPU):</b> Latest generation high-performance processor, minimum <b>Intel Core i7 (13th/14th Gen HX Series) or equivalent, or AMD Ryzen 7 (8000/9000 Series) or equivalent.</b> <i>(Processors with advanced AI capabilities are preferred.)</i></li> </ul>	07	

Item		
<ul style="list-style-type: none"> <li>• <b>Memory (RAM):</b> Minimum <b>16GB DDR5 (5600 MHz or higher)</b>. <i>(32GB DDR5 preferred for high-end/professional workloads.)</i></li> <li>• <b>Storage:</b> Minimum <b>1TB NVMe PCIe Gen4 SSD</b>. <i>(Mechanical hard drives (HDD) are not acceptable.)</i></li> <li>• <b>Graphics (GPU):</b> Dedicated graphics card with minimum <b>8GB GDDR6 VRAM</b>, performance equivalent to <b>RTX 4060 / RTX 4070 or higher</b>.</li> </ul> <p><b>2. Display and Visuals</b></p> <ul style="list-style-type: none"> <li>• <b>Screen Size:</b> 15.6-inch or 16-inch display.</li> <li>• <b>Resolution &amp; Refresh Rate:</b> Minimum <b>WQXGA (2560×1600)</b> or higher, with <b>144Hz or above refresh rate</b>.</li> <li>• <b>Panel Type:</b> IPS panel with <b>minimum 300 nits brightness</b> or OLED display for enhanced color accuracy.</li> </ul> <p><b>3. Build and Connectivity</b></p> <ul style="list-style-type: none"> <li>• <b>Build Quality:</b> Premium aluminum chassis or durable professional-grade material.</li> <li>• <b>Ports:</b> Must include <b>USB-C (with Thunderbolt 4 or equivalent support), HDMI (latest standard), USB 3.2 ports, and SD card reader</b>.</li> <li>• <b>Wireless Connectivity:</b> <b>Wi-Fi 6E or Wi-Fi 7 and Bluetooth 5.3 or higher</b>.</li> <li>• <b>Keyboard:</b> Backlit keyboard (RGB or white backlight).</li> </ul> <p><b>4. Additional Requirements</b></p> <ul style="list-style-type: none"> <li>• <b>Operating System:</b> pre-installed genuine licensed operating system.</li> <li>• <b>Warranty:</b> Minimum <b>1-year manufacturer warranty</b> (local support preferred).</li> <li>• <b>Brand Requirement:</b> Only <b>internationally recognized branded laptops</b> are acceptable. No assembled, refurbished, or unbranded systems will be considered.</li> </ul>		
<p>3.One Color Printer <b>Technical Specifications – Color Laser Multifunction Printer (MFP)</b></p>	1	

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<p><b>1. General Requirements</b></p> <ul style="list-style-type: none"> <li>• <b>Type: Color Laser Multifunction Printer</b></li> <li>• <b>Functions: Print, Scan, Copy</b></li> </ul> <p><b>2. Printing Specifications</b></p> <ul style="list-style-type: none"> <li>• <b>Printing Technology: Laser (Color)</b></li> <li>• <b>Print Speed (A4): Minimum 25 pages per minute (ppm) for both color and monochrome</b></li> <li>• <b>Print Resolution: Minimum 600 × 600 dpi (up to 1200 × 1200 dpi enhanced or equivalent)</b></li> <li>• <b>Duplex Printing: Built-in automatic duplex (two-sided) printing</b></li> </ul> <p><b>3. Scanning &amp; Copying</b></p> <ul style="list-style-type: none"> <li>• <b>Scanner Type: Flatbed with Automatic Document Feeder (ADF)</b></li> <li>• <b>ADF Capacity: Minimum 50 sheets</b></li> <li>• <b>Scan Resolution: Minimum 600 × 600 dpi or higher</b></li> <li>• <b>Copy Speed: Comparable to print speed</b></li> <li>• <b>Additional Features: Multi-page scanning and copying via ADF</b></li> </ul> <p><b>4. Paper Handling</b></p> <ul style="list-style-type: none"> <li>• <b>Input Tray Capacity: Minimum 250 sheets</b></li> <li>• <b>Output Tray Capacity: Standard (manufacturer default)</b></li> <li>• <b>Supported Media Sizes: A4, A5, Letter, Legal, and custom sizes</b></li> </ul> <p><b>5. Connectivity</b></p> <ul style="list-style-type: none"> <li>• <b>Interfaces: High-Speed USB 2.0/3.0, Ethernet (RJ-45)</b></li> <li>• <b>Wireless: Dual-band Wi-Fi</b></li> <li>• <b>Mobile Printing: Support for standard mobile printing protocols (e.g., AirPrint, Mopria or equivalent)</b></li> </ul> <p><b>6. Performance &amp; Usability</b></p> <ul style="list-style-type: none"> <li>• <b>Monthly Duty Cycle: Suitable for small to medium workgroups (high duty cycle required)</b></li> <li>• <b>Display: Minimum 4-inch touchscreen or equivalent for user-friendly operation</b></li> <li>• <b>Processor &amp; Memory: Adequate to support smooth multitasking (as per latest industry standards)</b></li> </ul> <p><b>7. Compatibility</b></p>		

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<ul style="list-style-type: none"> <li>• <b>Operating Systems: Compatible with Windows (latest versions), macOS (latest versions), and Linux</b></li> </ul> <p><b>8. Additional Requirements</b></p> <ul style="list-style-type: none"> <li>• <b>Consumables: Readily available in the local market</b></li> <li>• <b>Warranty: Minimum 1-year manufacturer warranty</b></li> <li>• <b>Condition: Brand new, unused equipment</b></li> <li>• <b>Brand Requirement: Only reputable, internationally recognized brands are acceptable. No refurbished or unbranded units.</b></li> </ul>		
<p>4.Computer with all Accessories</p> <p><b>Technical Specifications – High-Performance Desktop Computer System (Complete Set)</b></p> <p><b>1. Core System Unit</b></p> <p><b>1.1 Processor (CPU)</b></p> <ul style="list-style-type: none"> <li>• Latest generation Intel Core i7 (14th Generation or newer) or AMD Ryzen 7 (7000/8000 Series or newer)</li> <li>• Minimum 16 threads required</li> <li>• Base and boost clock as per latest industry standards</li> <li>• Processor must support advanced multitasking and high-performance workloads</li> </ul> <p><b>1.2 Graphics Processing Unit (GPU)</b></p> <ul style="list-style-type: none"> <li>• Dedicated graphics card</li> <li>• Minimum 8GB GDDR6 VRAM</li> <li>• Performance equivalent to latest mid-to-high tier GPUs (e.g., RTX 40/50 series or RX 7000 series or higher)</li> <li>• Must support modern graphics APIs and hardware acceleration</li> </ul> <p><b>1.3 Motherboard</b></p> <ul style="list-style-type: none"> <li>• Compatible chipset (Intel B760 or higher / AMD B650 or higher)</li> <li>• Full DDR5 memory support</li> <li>• Integrated Gigabit LAN, audio, and expansion slots</li> <li>• Minimum 2 × M.2 slots</li> <li>• Built-in Wi-Fi and Bluetooth preferred</li> </ul> <p><b>1.4 Memory (RAM)</b></p> <ul style="list-style-type: none"> <li>• Minimum 32GB DDR5 RAM</li> </ul>	04	

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<ul style="list-style-type: none"> <li>• Minimum speed 5600–6000 MHz</li> <li>• Dual-channel configuration (2 × 16GB or better)</li> <li>• Expandable to at least 64GB</li> </ul> <p><b>1.5 Storage</b></p> <ul style="list-style-type: none"> <li>• Minimum 1TB NVMe PCIe Gen4 SSD</li> <li>• High read/write performance</li> <li>• Provision for additional storage expansion</li> </ul> <p><b>1.6 Power Supply (PSU)</b></p> <ul style="list-style-type: none"> <li>• Minimum 750W capacity</li> <li>• 80+ Gold certified or higher</li> <li>• Protection features (OVP, UVP, SCP, etc.)</li> </ul> <p><b>1.7 Casing &amp; Cooling</b></p> <ul style="list-style-type: none"> <li>• Mid-tower casing with high airflow design</li> <li>• Minimum 3–4 pre-installed fans</li> <li>• CPU cooling via high-performance air cooler or 240mm liquid cooling system</li> <li>• Proper cable management and thermal design required</li> </ul> <p><b>2. Display (Monitor)</b></p> <ul style="list-style-type: none"> <li>• Size: 24-inch to 27-inch</li> <li>• Resolution: Minimum 1920 × 1080 (Full HD); QHD (2560 × 1440) preferred</li> <li>• Panel Type: IPS</li> <li>• Refresh Rate: Minimum 144Hz</li> <li>• Connectivity: HDMI and/or DisplayPort</li> </ul> <p><b>3. Peripherals &amp; Accessories</b></p> <p><b>3.1 Keyboard</b></p> <ul style="list-style-type: none"> <li>• Mechanical keyboard</li> <li>• Backlit (RGB or single color)</li> </ul> <p><b>3.2 Mouse</b></p> <ul style="list-style-type: none"> <li>• High-precision optical mouse</li> <li>• Adjustable DPI settings</li> </ul> <p><b>3.3 Headset</b></p> <ul style="list-style-type: none"> <li>• Over-ear design</li> </ul>		

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<ul style="list-style-type: none"> <li>• Integrated microphone</li> <li>• Suitable for communication and multimedia</li> </ul> <p><b>3.4 Mouse Pad</b></p> <ul style="list-style-type: none"> <li>• Large extended surface</li> <li>• Durable and non-slip base</li> </ul> <p><b>4. Connectivity Requirements</b></p> <ul style="list-style-type: none"> <li>• Multiple USB 3.x ports</li> <li>• USB-C port (preferred)</li> <li>• HDMI / DisplayPort outputs</li> <li>• Gigabit Ethernet (RJ-45)</li> <li>• Wi-Fi 6/6E or higher (preferred)</li> <li>• Bluetooth 5.0 or higher</li> </ul> <p><b>5. Software &amp; Licensing</b></p> <ul style="list-style-type: none"> <li>• Pre-installed genuine licensed operating system (latest version)</li> <li>• All required drivers and utilities must be provided</li> </ul> <p><b>6. General &amp; Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be brand new and unused</li> <li>• No refurbished, used, or grey-market components allowed</li> <li>• All major components (CPU, GPU, motherboard, RAM, SSD, PSU, monitor) must be from internationally recognized brands</li> <li>• System must be professionally assembled / OEM quality with proper testing</li> <li>• Complete compatibility between all components is mandatory</li> </ul> <p><b>7. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum 1-year manufacturer warranty (local support preferred)</li> <li>• Vendor must provide after-sales support and service</li> </ul>		

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<p><a href="#"><u>5. Water Dispenser</u></a></p> <p><b>Technical Specifications – Inverter Water Dispenser (Bottom Loading, 19L Compatible)</b></p> <p><b>1. General Requirements</b></p> <ul style="list-style-type: none"> <li>• <b>Type:</b> Bottom-loading water dispenser</li> </ul>	1	

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<ul style="list-style-type: none"> <li>• <b>Bottle Capacity:</b> Compatible with <b>standard 19-liter water bottles</b></li> <li>• <b>Technology:</b> Energy-efficient <b>inverter compressor technology</b> for reduced power consumption</li> </ul> <p><b>2. Functional Features</b></p> <ul style="list-style-type: none"> <li>• <b>Loading Style:</b> Bottom loading for easy bottle replacement</li> <li>• <b>Taps:</b> Minimum <b>three taps</b> – Hot, Cold, and Normal (room temperature)</li> <li>• <b>Water Tank Material:</b> <b>Food-grade stainless steel (SUS-304 or equivalent)</b></li> </ul> <p><b>3. Cooling &amp; Heating System</b></p> <ul style="list-style-type: none"> <li>• <b>Cooling System:</b> High-efficiency compressor-based cooling</li> <li>• <b>Refrigerant:</b> Environment-friendly refrigerant (e.g., <b>R134a or equivalent</b>)</li> <li>• <b>Heating System:</b> Rapid heating mechanism for hot water dispensing</li> </ul> <p><b>4. Safety Features</b></p> <ul style="list-style-type: none"> <li>• <b>Child Safety Lock:</b> Mandatory for hot water tap</li> <li>• <b>Protection Mechanisms:</b> Overheat protection and automatic temperature control</li> </ul> <p><b>5. Display &amp; Controls</b></p> <ul style="list-style-type: none"> <li>• <b>Display:</b> LED indicators or digital display for operational status (heating, cooling, power)</li> <li>• <b>Controls:</b> User-friendly interface for temperature and function control</li> </ul> <p><b>6. Additional Features</b></p> <ul style="list-style-type: none"> <li>• <b>Storage Compartment:</b> Built-in <b>refrigerated cabinet or storage compartment</b> with enhanced capacity</li> <li>• <b>Noise Level:</b> Low-noise operation preferred</li> <li>• <b>Energy Efficiency:</b> Designed for low power consumption</li> </ul> <p><b>7. Build Quality</b></p> <ul style="list-style-type: none"> <li>• Durable outer body (ABS plastic and/or metal finish)</li> <li>• Corrosion-resistant internal components</li> <li>• Stable base design</li> </ul> <p><b>8. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year complete unit warranty</b></li> <li>• Minimum <b>2–3 years compressor warranty</b></li> <li>• Availability of <b>after-sales service and spare parts</b></li> </ul> <p><b>9. Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> </ul>		

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<ul style="list-style-type: none"> <li>• Only <b>reputable, internationally recognized brands</b> are acceptable</li> <li>• No refurbished or substandard units will be accepted</li> </ul>		
<p>6.Conditions 1.5 Ton</p> <p><b>Technical Specifications – T3 Inverter Air Conditioner (High Ambient Performance Series)</b></p> <p><b>1. General Requirements</b></p> <ul style="list-style-type: none"> <li>• Type: Split Air Conditioner</li> <li>• Technology: <b>DC Inverter with T3 Tropical Compressor</b></li> <li>• Application: Designed for <b>extreme ambient temperature operation (up to 52°C or higher)</b></li> <li>• Energy Efficiency: High EER inverter system (minimum <b>EER ~4.0 or equivalent efficiency class</b>)</li> </ul> <p><b>2. Compressor &amp; Cooling System</b></p> <ul style="list-style-type: none"> <li>• Compressor Type: <b>T3 Inverter Rotary Compressor</b></li> <li>• Features: High ambient cooling performance with stable operation under extreme heat</li> <li>• Cooling Technology: <b>Fast cooling / flash cooling capability (rapid temperature reduction within short time)</b></li> <li>• Refrigerant: Environment-friendly refrigerant (e.g., R410A / R32 or equivalent)</li> <li>• Cooling Performance: Stable operation under high ambient conditions without performance degradation</li> </ul> <p><b>3. Electrical &amp; Operating Range</b></p> <ul style="list-style-type: none"> <li>• Voltage Range: <b>Wide voltage operation (minimum 120V–270V or equivalent)</b></li> <li>• Power Stability: Built-in voltage fluctuation protection</li> <li>• Ampere Lock / Power Control: Integrated energy consumption control system for optimized usage</li> </ul> <p><b>4. Air Distribution &amp; Performance</b></p> <ul style="list-style-type: none"> <li>• High airflow delivery system for uniform cooling</li> <li>• Multiple fan speed settings (minimum 3–7 levels or equivalent)</li> <li>• 3D airflow or equivalent directional cooling technology</li> <li>• Enhanced cooling coverage for large rooms</li> </ul> <p><b>5. Energy Efficiency Features</b></p> <ul style="list-style-type: none"> <li>• Inverter-based power saving operation</li> </ul>	7	

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<ul style="list-style-type: none"> <li>• <b>High energy efficiency ratio (EER ~4.0 or equivalent class)</b></li> <li>• Intelligent load adjustment based on room temperature</li> <li>• Low power consumption during maintenance mode</li> </ul> <p><b>6. Air Quality &amp; Comfort Features</b></p> <ul style="list-style-type: none"> <li>• <b>i-Clean / self-cleaning evaporator function</b> (or equivalent automatic cleaning system)</li> <li>• Dust and allergen filtration system</li> <li>• Anti-bacterial / anti-fungal treatment on air filters</li> <li>• Quiet operation (low indoor noise level design)</li> </ul> <p><b>7. Indoor &amp; Outdoor Unit Design</b></p> <ul style="list-style-type: none"> <li>• Larger indoor and outdoor unit design for high efficiency heat exchange</li> <li>• Anti-corrosion coated fins (gold fin or equivalent protective coating)</li> <li>• Durable compressor housing for long operational life</li> <li>• Weather-resistant outdoor unit suitable for harsh environments</li> </ul> <p><b>8. Safety Features</b></p> <ul style="list-style-type: none"> <li>• Overload protection system</li> <li>• Overheat protection</li> <li>• Auto-restart function after power failure</li> <li>• Stabilized compressor start protection</li> </ul> <p><b>9. Display &amp; Controls</b></p> <ul style="list-style-type: none"> <li>• LED or digital display panel</li> <li>• Remote control operation</li> <li>• Optional smart control / Wi-Fi compatibility (preferred but not mandatory)</li> </ul> <p><b>10. Installation &amp; Maintenance</b></p> <ul style="list-style-type: none"> <li>• Easy installation design with standard piping compatibility</li> <li>• Low maintenance evaporator and condenser design</li> <li>• Accessible service points for routine maintenance</li> </ul> <p><b>11. Warranty &amp; Durability</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year complete unit warranty</b></li> <li>• Minimum <b>10–12 years compressor warranty (preferred)</b></li> <li>• Long-life operation designed for continuous heavy-duty use</li> </ul> <p><b>12. General Compliance Requirements</b></p>		

<p><b>Item</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized branded systems</b> are acceptable</li> <li>• No refurbished, altered, or non-original components allowed</li> <li>• Unit must be certified for <b>tropical/high ambient climate operation (T3 standard)</b></li> </ul> <p>7.CCTV Cameras &amp; DVR System</p> <p><b>Technical Specifications – CCTV Surveillance System</b></p> <p><b>1. System Overview</b></p> <ul style="list-style-type: none"> <li>• Type: IP-based CCTV Surveillance System</li> <li>• Total Cameras: <b>08 Units</b></li> <li>• System Architecture: Network-based with centralized recording (NVR)</li> <li>• Purpose: 24/7 surveillance with remote monitoring capability</li> </ul> <p><b>2. Cameras</b></p> <p><b>2.1 Camera Quantity</b></p> <ul style="list-style-type: none"> <li>• 8 × IP Cameras (Bullet/Dome mix as required)</li> </ul> <p><b>2.2 Resolution</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>5 Megapixel (2592 × 1944)</b></li> <li>• <b>4K Ultra HD (3840 × 2160)</b> preferred where applicable</li> </ul> <p><b>2.3 Camera Features</b></p> <ul style="list-style-type: none"> <li>• High-definition imaging with digital zoom capability</li> <li>• Wide dynamic range (WDR) for balanced exposure</li> <li>• Motion detection support</li> <li>• Built-in microphone (audio recording enabled)</li> </ul> <p><b>2.4 Night Vision</b></p> <ul style="list-style-type: none"> <li>• Smart IR night vision up to <b>30–40 meters</b></li> <li>• Optional <b>full-color (ColorVu / Starlight or equivalent)</b> technology for 24/7 color imaging</li> </ul> <p><b>2.5 Weather Protection</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>IP67-rated housing</b></li> <li>• Dustproof and waterproof for outdoor installation</li> </ul> <p><b>3. Recording System (NVR)</b></p> <ul style="list-style-type: none"> <li>• Type: Network Video Recorder (NVR)</li> <li>• Channel Capacity: <b>8-Channel minimum (expandable preferred)</b></li> </ul>	1	
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<ul style="list-style-type: none"> <li>• Video Compression: <b>H.265 / H.265+ advanced compression</b></li> <li>• Recording Mode: Continuous, scheduled, and motion-based recording</li> <li>• Output: HDMI/VGA support for live monitoring display</li> </ul> <p><b>4. Storage System</b></p> <ul style="list-style-type: none"> <li>• Hard Disk: <b>Surveillance-grade HDD (WD Purple / Seagate SkyHawk or equivalent)</b></li> <li>• Capacity: <b>2TB to 4TB minimum</b></li> <li>• Recording Retention: <b>Minimum 15–30 days (depending on settings and resolution)</b></li> <li>• Optimized for 24/7 continuous recording</li> </ul> <p><b>5. Network &amp; Connectivity</b></p> <ul style="list-style-type: none"> <li>• Technology: <b>PoE (Power over Ethernet)</b> for simplified installation</li> <li>• Network Switch: PoE switch (sufficient ports for 8 cameras)</li> <li>• Cabling: <b>Cat6 copper Ethernet cables</b> (high-speed data transmission)</li> <li>• Remote Access: Mobile and web-based monitoring</li> </ul> <p><b>6. Remote Monitoring &amp; Software</b></p> <ul style="list-style-type: none"> <li>• Mobile Application Support (e.g., Hik-Connect, DMSS or equivalent)</li> <li>• Real-time live view and playback</li> <li>• Multi-device access (mobile, tablet, PC)</li> <li>• Motion alerts and push notifications</li> <li>• Secure login authentication</li> </ul> <p><b>7. Display System (Optional / Recommended)</b></p> <ul style="list-style-type: none"> <li>• LED Monitor: <b>18.5” to 22” Full HD display</b></li> <li>• Direct NVR connection for live monitoring</li> <li>• HDMI/VGA input support</li> </ul> <p><b>8. Power Supply System</b></p> <ul style="list-style-type: none"> <li>• Individual or centralized <b>12V DC power system or PoE-based power delivery</b></li> <li>• Surge protection recommended</li> <li>• Backup support (UPS optional for uninterrupted monitoring)</li> </ul> <p><b>9. Installation &amp; Cabling</b></p> <ul style="list-style-type: none"> <li>• Professional installation required</li> <li>• Indoor and outdoor mounting support</li> </ul>		

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<ul style="list-style-type: none"> <li>• Concealed and structured cabling preferred</li> <li>• Proper labeling and system configuration included</li> </ul> <p><b>10. Environmental &amp; Build Requirements</b></p> <ul style="list-style-type: none"> <li>• Cameras must operate in <b>extreme weather conditions (heat, rain, dust)</b></li> <li>• Anti-corrosion housing and durable mounting brackets</li> <li>• Stable long-term operation under continuous 24/7 use</li> </ul> <p><b>11. System Performance Requirements</b></p> <ul style="list-style-type: none"> <li>• Real-time recording with no frame loss</li> <li>• Smooth playback with time-based search functionality</li> <li>• Efficient storage management using H.265 compression</li> <li>• High network stability for remote access</li> </ul> <p><b>12. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year complete system warranty</b></li> <li>• Warranty coverage for cameras, NVR, and storage devices</li> <li>• Technical support and maintenance service required</li> </ul> <p><b>13. General Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized and reliable surveillance brands</b> are acceptable</li> <li>• No refurbished, used, or grey-market equipment allowed</li> <li>• System must be fully tested before handover</li> </ul>		
<p>8.Refrigerator</p> <p><b>Technical Specifications – Double Door Refrigerator</b></p> <p><b>1. General Requirements</b></p> <ul style="list-style-type: none"> <li>• Type: Double Door Refrigerator (Top freezer or bottom freezer configuration acceptable)</li> <li>• Installation: Free-standing unit</li> <li>• Usage: Office / residential / institutional grade</li> </ul> <p><b>2. Capacity</b></p> <ul style="list-style-type: none"> <li>• Total Gross Capacity: <b>250 – 400 Liters (minimum range acceptable depending on design)</b></li> <li>• Separate freezer and refrigeration compartments required</li> </ul>	1	

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<p><b>3. Dimensions &amp; Size Requirements (Mandatory)</b></p> <p><b>3.1 Height Requirement</b></p> <ul style="list-style-type: none"> <li>• Minimum Height: <b>165 cm (65 inches)</b></li> <li>• Maximum Height: <b>190 cm (75 inches)</b></li> <li>• Preferred Standard Operating Height: <b>170 – 180 cm</b></li> </ul> <p><b>4. Cooling System</b></p> <ul style="list-style-type: none"> <li>• Technology: Frost-free (No Frost) or Direct Cool (frost-free preferred)</li> <li>• Compressor: High-efficiency inverter compressor preferred</li> <li>• Refrigerant: Eco-friendly gas (R600a / R134a or equivalent)</li> <li>• Uniform cooling distribution system required</li> </ul> <p><b>5. Energy Efficiency</b></p> <ul style="list-style-type: none"> <li>• Minimum energy rating equivalent to <b>3–5 Star efficiency or higher</b></li> <li>• Low power consumption inverter operation preferred</li> <li>• Voltage fluctuation tolerance required</li> </ul> <p><b>6. Internal Features</b></p> <ul style="list-style-type: none"> <li>• Adjustable toughened glass shelves</li> <li>• Separate vegetable crisper with humidity control</li> <li>• LED internal lighting</li> <li>• Egg tray and ice tray included</li> <li>• Odor control system preferred</li> </ul> <p><b>7. Freezer Section</b></p> <ul style="list-style-type: none"> <li>• Fast freezing capability</li> <li>• Ice making compartment included</li> <li>• Independent or optimized cooling distribution</li> </ul> <p><b>8. Build Quality</b></p> <ul style="list-style-type: none"> <li>• Anti-rust coated body</li> <li>• Food-grade interior material</li> <li>• Durable door hinges and ergonomic handles</li> <li>• Stable base with adjustable leveling feet</li> </ul> <p><b>9. Noise &amp; Performance</b></p> <ul style="list-style-type: none"> <li>• Low noise operation required</li> <li>• Stable compressor performance under voltage fluctuation</li> </ul>		

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<p><b>10. Safety Features</b></p> <ul style="list-style-type: none"> <li>• Overload and overheat protection</li> <li>• Door seal leakage prevention system</li> <li>• Child-safe design</li> </ul> <p><b>11. Electrical &amp; Control</b></p> <ul style="list-style-type: none"> <li>• Adjustable thermostat or digital control panel</li> <li>• Stable operation under standard domestic voltage</li> </ul> <p><b>12. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year comprehensive warranty</b></li> <li>• Minimum <b>3–10 years compressor warranty (preferred depending on brand policy)</b></li> <li>• Local after-sales service availability mandatory</li> </ul> <p><b>13. General Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized brands acceptable</b></li> <li>• No refurbished, used, or altered units allowed</li> <li>• Must comply with standard energy efficiency and safety regulations</li> </ul>		
<p>9. One Multimedia Projector  <b>Technical Specifications – High-Performance Laser Projector</b></p> <p><b>1. Imaging &amp; Display Technology</b></p> <ul style="list-style-type: none"> <li>• <b>Projection Technology:</b> 3LCD or DLP</li> <li>• <b>Light Source:</b> Laser (Laser diode preferred for high-end performance)</li> <li>• <b>Native Resolution:</b> Minimum WUXGA (1920 × 1200) or 4K UHD (3840 × 2160) preferred</li> <li>• <b>Brightness:</b> Minimum 5,000 – 7,000 ANSI Lumens or higher</li> <li>• <b>Contrast Ratio:</b> Minimum 3,000,000:1 (or equivalent dynamic contrast enhancement system)</li> <li>• <b>Light Source Life:</b> Minimum 20,000 – 30,000 hours (laser-based system)</li> <li>• <b>Aspect Ratio:</b> Native 16:9, support for 16:10 compatibility</li> </ul> <p><b>2. Projection &amp; Optical System</b></p> <ul style="list-style-type: none"> <li>• <b>Throw Ratio:</b></li> </ul>	1	

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<ul style="list-style-type: none"> <li>○ Standard: <b>1.3 – 1.8:1</b></li> <li>○ Short Throw option acceptable: <b>0.5:1 or equivalent</b> (based on site requirement)</li> <li>• <b>Lens System:</b> <ul style="list-style-type: none"> <li>○ Optical zoom <b>1.2x – 1.6x or higher</b></li> <li>○ Powered zoom and focus preferred</li> </ul> </li> <li>• <b>Lens Shift:</b> <ul style="list-style-type: none"> <li>○ Vertical: <b>±50% to ±60%</b></li> <li>○ Horizontal: <b>±20% to ±25%</b></li> </ul> </li> <li>• <b>Keystone Correction:</b> <ul style="list-style-type: none"> <li>○ Automatic and manual correction</li> <li>○ Vertical/Horizontal adjustment up to <b>±30°</b></li> <li>○ 4-corner correction required</li> </ul> </li> <li>• <b>Maximum Image Size:</b> Up to <b>300 inches or larger (diagonal)</b></li> </ul> <p><b>3. Connectivity &amp; Interfaces</b></p> <ul style="list-style-type: none"> <li>• <b>HDMI Ports:</b> Minimum <b>2–3 × HDMI 2.0 (HDCP 2.2 compliant)</b></li> <li>• <b>VGA Input:</b> 1 × RGB (VGA) port</li> <li>• <b>HDBaseT:</b> Supported for long-distance transmission via LAN</li> <li>• <b>USB Ports:</b> USB Type-A (for firmware updates and power output 5V/1.5A)</li> <li>• <b>LAN Port:</b> RJ45 for network control and monitoring</li> <li>• <b>Control Interfaces:</b> RS-232 and 12V trigger support</li> <li>• <b>Audio:</b> 3.5mm audio input/output</li> </ul> <p><b>4. Audio System</b></p> <ul style="list-style-type: none"> <li>• Built-in speaker: <b>Minimum 10W – 20W (optional feature acceptable)</b></li> <li>• External professional audio system support required</li> </ul> <p><b>5. Wireless &amp; Smart Features</b></p> <ul style="list-style-type: none"> <li>• Wireless Screen Mirroring support (Miracast / Wi-Fi Display or equivalent)</li> <li>• Network-based control and remote management capability</li> <li>• Multi-device connectivity support</li> </ul> <p><b>6. Advanced Features</b></p> <ul style="list-style-type: none"> <li>• <b>3D Support:</b> Full 3D projection capability (DLP-Link or equivalent)</li> </ul>		

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<ul style="list-style-type: none"> <li>• <b>24/7 Operation:</b> Suitable for continuous professional usage (digital signage / control rooms / institutions)</li> <li>• <b>Low Maintenance Design:</b> Dust-resistant optical engine required</li> </ul> <p><b>7. Noise &amp; Performance</b></p> <ul style="list-style-type: none"> <li>• Operating Noise Level: <b>28 dB – 35 dB (Eco/Normal mode range)</b></li> <li>• Stable brightness performance under continuous operation</li> </ul> <p><b>8. Durability &amp; Protection</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>IP5X dust resistance rating or higher (laser models preferred)</b></li> <li>• Heat-resistant optical system suitable for long-hour operation</li> <li>• Sealed optical engine preferred for reduced maintenance</li> </ul> <p><b>9. Installation &amp; Flexibility</b></p> <ul style="list-style-type: none"> <li>• Ceiling or wall mounting support</li> <li>• Flexible installation with lens shift and keystone correction</li> <li>• Suitable for classrooms, auditoriums, conference rooms, and control centers</li> </ul> <p><b>10. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year comprehensive warranty</b></li> <li>• Laser light source warranty preferred up to <b>3–5 years or equivalent usage hours</b></li> <li>• Local technical support and spare parts availability required</li> </ul> <p><b>11. General Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized projector manufacturers acceptable</b></li> <li>• No refurbished, used, or modified units allowed</li> <li>• Must comply with professional AV installation standards</li> </ul>		
<p>10.2 LED TV 40"  <b>Technical Specifications – AI-Powered High-End Smart Television</b></p> <p><b>1. Display Technology</b></p> <ul style="list-style-type: none"> <li>• <b>Panel Type:</b> OLED or Mini LED (Quantum Dot technology preferred)</li> <li>• <b>Display Quality:</b> High-contrast display with deep blacks and enhanced brightness control</li> <li>• <b>Size:</b> Compact high-end category (not less than 40)</li> </ul> <p><b>2. Resolution &amp; Performance</b></p> <ul style="list-style-type: none"> <li>• <b>Resolution:</b> Minimum <b>4K UHD (3840 × 2160)</b></li> </ul>	2	

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<ul style="list-style-type: none"> <li>• <b>Refresh Rate:</b> Minimum <b>120Hz</b>, preferably <b>144Hz or 165Hz</b> for smooth motion handling</li> <li>• <b>Motion Processing:</b> AI-enhanced motion smoothing and frame interpolation</li> </ul> <p><b>3. AI Processing System (Mandatory Requirement)</b></p> <ul style="list-style-type: none"> <li>• <b>AI Processor:</b> Built-in <b>AI-powered image and sound processing engine</b></li> <li>• <b>AI Features Must Include:</b> <ul style="list-style-type: none"> <li>○ Real-time image upscaling (AI 4K enhancement)</li> <li>○ AI-based noise reduction and clarity enhancement</li> <li>○ Adaptive brightness and contrast optimization</li> <li>○ AI sound tuning based on content type and environment</li> </ul> </li> <li>• <b>Performance Requirement:</b> Intelligent scene recognition and automatic picture adjustment</li> </ul> <p><b>4. HDR &amp; Picture Enhancement</b></p> <ul style="list-style-type: none"> <li>• <b>HDR Support:</b> Must support all major HDR formats including: <ul style="list-style-type: none"> <li>○ Dolby Vision</li> <li>○ HDR10+</li> <li>○ HLG (Hybrid Log Gamma)</li> </ul> </li> <li>• <b>Contrast Technology:</b> Local dimming (Mini LED/OLED level) for superior dynamic range</li> </ul> <p><b>5. Gaming &amp; Motion Features</b></p> <ul style="list-style-type: none"> <li>• <b>HDMI Ports:</b> Minimum HDMI 2.1 (48Gbps bandwidth required)</li> <li>• <b>Gaming Features:</b> <ul style="list-style-type: none"> <li>○ Variable Refresh Rate (VRR)</li> <li>○ Auto Low Latency Mode (ALLM)</li> <li>○ Low input lag optimization</li> </ul> </li> <li>• <b>Performance:</b> Smooth gameplay support up to 4K @ 120Hz or higher</li> </ul> <p><b>6. Smart Operating System</b></p> <ul style="list-style-type: none"> <li>• <b>Operating System:</b> Google TV, webOS 25, or equivalent advanced smart OS</li> <li>• <b>AI Integration:</b> AI-based content recommendation system</li> <li>• <b>Voice Control:</b> Built-in AI voice assistant support</li> <li>• <b>App Support:</b> Full access to major streaming and productivity applications</li> </ul> <p><b>7. Audio System</b></p> <ul style="list-style-type: none"> <li>• AI-powered adaptive sound optimization</li> </ul>		

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<ul style="list-style-type: none"> <li>• Dolby Atmos or equivalent immersive audio support</li> <li>• Multi-directional speaker system preferred</li> <li>• Clear voice enhancement technology</li> </ul> <p><b>8. Connectivity</b></p> <ul style="list-style-type: none"> <li>• HDMI 2.1 ports (minimum 2 required)</li> <li>• USB 3.x ports</li> <li>• Wi-Fi 6 / Wi-Fi 6E support</li> <li>• Bluetooth 5.2 or higher</li> <li>• Ethernet (LAN) port</li> <li>• Screen mirroring (Miracast / Chromecast or equivalent)</li> </ul> <p><b>9. Design &amp; Build Quality</b></p> <ul style="list-style-type: none"> <li>• Ultra-slim bezel design</li> <li>• Premium metal or high-quality composite body</li> <li>• Wall-mount and stand support</li> <li>• Cable management system preferred</li> </ul> <p><b>10. Energy Efficiency &amp; Operation</b></p> <ul style="list-style-type: none"> <li>• Energy-efficient AI power management system</li> <li>• Automatic brightness adjustment based on ambient lighting</li> <li>• Low standby power consumption</li> </ul> <p><b>11. Durability &amp; Compliance</b></p> <ul style="list-style-type: none"> <li>• Designed for continuous long-term usage</li> <li>• Heat management system for stable performance</li> <li>• Must comply with international safety and quality standards</li> </ul> <p><b>12. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year comprehensive warranty</b></li> <li>• Extended panel warranty preferred (2–5 years optional)</li> <li>• Local after-sales service and firmware updates required</li> </ul> <p><b>13. General Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized brands with AI-integrated smart TV platforms</b> acceptable</li> <li>• No refurbished, modified, or grey-market units allowed</li> </ul>		

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<ul style="list-style-type: none"> <li>Must be fully <b>AI-powered with intelligent processing engine (mandatory requirement)</b></li> </ul>		
<p><b><u>11. ONE DIGITAL CAMERA</u></b>          canon 80d ( or equivalent) along with Kit complete  <b>Technical Specifications – Digital DSLR Camera Kit (Canon 80D or Equivalent)</b></p> <p><b>1. General Requirements</b></p> <ul style="list-style-type: none"> <li>Type: Digital DSLR Camera Kit</li> <li>Requirement: <b>Canon 80D or equivalent (equal or higher specifications acceptable)</b></li> <li>Kit: Complete ready-to-use package</li> </ul> <p><b>2. Camera Body Specifications</b></p> <ul style="list-style-type: none"> <li>Sensor Type: APS-C CMOS or equivalent</li> <li>Effective Resolution: Minimum <b>24 Megapixels or higher</b></li> <li>Image Processor: Advanced image processing engine (latest generation equivalent)</li> <li>ISO Range: Wide ISO range suitable for low-light photography</li> <li>Autofocus System: High-speed multi-point autofocus system (minimum 45-point or equivalent)</li> <li>Continuous Shooting: Minimum <b>6 frames per second or higher</b></li> </ul> <p><b>3. Video Recording</b></p> <ul style="list-style-type: none"> <li>Video Resolution: Minimum <b>Full HD (1080p); 4K recording preferred where available</b></li> <li>Frame Rate: Up to 60 fps (or higher where supported)</li> <li>Built-in microphone support with external microphone input</li> </ul> <p><b>4. Lens Kit</b></p> <ul style="list-style-type: none"> <li>Included Lens: Standard <b>18–55mm or equivalent zoom lens</b></li> <li>Lens Type: Interchangeable lens system support</li> <li>Optical Image Stabilization (OIS) preferred</li> </ul> <p><b>5. Display &amp; Viewfinder</b></p> <ul style="list-style-type: none"> <li>LCD Screen: Vari-angle or tilting LCD display</li> <li>Screen Size: Minimum <b>3.0 inches or higher</b></li> <li>Touchscreen functionality preferred</li> <li>Optical viewfinder required</li> </ul> <p><b>6. Connectivity</b></p>	1	

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<ul style="list-style-type: none"> <li>• Wi-Fi connectivity for image transfer</li> <li>• Bluetooth support preferred</li> <li>• USB interface for data transfer and charging</li> <li>• HDMI output for external display</li> </ul> <p><b>7. Storage</b></p> <ul style="list-style-type: none"> <li>• Compatible with SD/SDHC/SDXC memory cards</li> <li>• High-speed card support required (UHS-I or higher preferred)</li> </ul> <p><b>8. Power System</b></p> <ul style="list-style-type: none"> <li>• Rechargeable lithium-ion battery included</li> <li>• Battery charger included in kit</li> <li>• Battery backup sufficient for standard professional usage</li> </ul> <p><b>9. Build Quality</b></p> <ul style="list-style-type: none"> <li>• Durable DSLR body suitable for field and studio use</li> <li>• Ergonomic grip design</li> <li>• Dust and moisture resistance preferred</li> </ul> <p><b>10. Accessories (Complete Kit Requirement)</b></p> <ul style="list-style-type: none"> <li>• Camera body</li> <li>• Standard zoom lens (18–55mm or equivalent)</li> <li>• Rechargeable battery</li> <li>• Battery charger</li> <li>• Neck strap</li> <li>• Lens cap and body cap</li> <li>• User manuals and software drivers</li> </ul> <p><b>11. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year manufacturer warranty</b></li> <li>• Local after-sales service and repair support required</li> </ul> <p><b>12. General Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized camera brands acceptable</b></li> <li>• No refurbished or grey-market equipment allowed</li> <li>• Must be supplied as a <b>complete working kit</b></li> </ul>		

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<p><b><u>12. PHOTOCOPIER</u></b>  <b>Technical Specifications – High-Speed Digital Photocopier</b></p> <p><b>1. General Requirements</b></p> <ul style="list-style-type: none"> <li>• Type: Digital Production Class Photocopier</li> <li>• Functionality: Print, Copy, Scan (Multifunction)</li> <li>• Technology: Laser-based monochrome high-volume system</li> <li>• Category: Heavy-duty enterprise / production printing system</li> </ul> <p><b>2. Printing Performance</b></p> <ul style="list-style-type: none"> <li>• <b>Print Speed:</b> Minimum <b>100 pages per minute (A4)</b> or higher</li> <li>• <b>Print Technology:</b> High-speed digital laser imaging system</li> <li>• <b>Print Resolution:</b> Minimum <b>1200 × 1200 dpi</b></li> <li>• <b>First Copy Output Time:</b> Optimized for high-speed production environments</li> </ul> <p><b>3. Duty Cycle &amp; Workload</b></p> <ul style="list-style-type: none"> <li>• <b>Monthly Duty Cycle:</b> Minimum <b>150,000 pages or higher</b></li> <li>• Designed for <b>continuous high-volume operation (industrial-grade usage)</b></li> <li>• Suitable for centralized printing environments (offices, institutions, print shops)</li> </ul> <p><b>4. Paper Handling System</b></p> <ul style="list-style-type: none"> <li>• <b>Standard Paper Input Capacity:</b> Minimum <b>3,000 sheets</b></li> <li>• <b>Maximum Expandable Capacity:</b> Up to <b>9,000 sheets or higher (with optional trays)</b></li> <li>• <b>Paper Weight Support:</b> <b>40 gsm to 350 gsm</b></li> <li>• Supports: <ul style="list-style-type: none"> <li>○ Plain paper</li> <li>○ Thick paper / cardstock</li> <li>○ Covers and specialty media</li> </ul> </li> </ul> <p><b>5. Finishing &amp; Output Features</b></p> <ul style="list-style-type: none"> <li>• Automatic <b>duplex (double-sided) printing</b></li> <li>• Built-in finishing options: <ul style="list-style-type: none"> <li>○ Stapling</li> <li>○ Booklet making</li> <li>○ Z-folding / advanced folding options</li> </ul> </li> <li>• High-speed collating and sorting system</li> </ul>	1	

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<ul style="list-style-type: none"> <li>• Professional document finishing capability</li> </ul> <p><b>6. Memory &amp; Storage</b></p> <ul style="list-style-type: none"> <li>• System Memory (RAM): Minimum <b>4 GB or higher (expandable preferred)</b></li> <li>• Storage: Minimum <b>1 TB internal hard disk drive (HDD)</b></li> <li>• High-speed job processing and document storage capability</li> </ul> <p><b>7. Scanning System</b></p> <ul style="list-style-type: none"> <li>• High-speed duplex scanning capability</li> <li>• Network scanning support</li> <li>• Scan-to-email / folder / USB functionality</li> <li>• High-resolution color scanning capability (despite monochrome print engine)</li> </ul> <p><b>8. User Interface</b></p> <ul style="list-style-type: none"> <li>• Large <b>touchscreen control panel (digital interface)</b></li> <li>• Intuitive job management system</li> <li>• Customizable workflow settings</li> <li>• Multi-user access control support</li> </ul> <p><b>9. Connectivity</b></p> <ul style="list-style-type: none"> <li>• Gigabit Ethernet (LAN) connectivity</li> <li>• USB interface support</li> <li>• Network printing protocols (TCP/IP, SMB, etc.)</li> <li>• Optional cloud printing and document management integration</li> </ul> <p><b>10. Build Quality &amp; Design</b></p> <ul style="list-style-type: none"> <li>• Industrial-grade metal frame construction</li> <li>• Designed for continuous 24/7 operation</li> <li>• Heavy-duty paper feeding system for minimal jams</li> <li>• Advanced dust and heat management system</li> </ul> <p><b>11. Energy Efficiency &amp; Safety</b></p> <ul style="list-style-type: none"> <li>• Energy-saving standby modes</li> <li>• Automatic shutdown and wake-up system</li> <li>• Overheat and overload protection mechanisms</li> <li>• Compliance with international energy efficiency standards</li> </ul> <p><b>12. Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• Minimum <b>1-year comprehensive warranty</b></li> </ul>		

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<ul style="list-style-type: none"> <li>• Local technical support and maintenance service required</li> <li>• Availability of spare parts and consumables locally mandatory</li> </ul> <p><b>13. General Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized production copier brands acceptable</b></li> <li>• No refurbished, used, or reconditioned machines allowed</li> <li>• Must be fully digital, network-ready production system</li> </ul>		
<p>13. Four Ceiling Fan</p> <p><b>Technical Specifications – BLDC Inverter Ceiling Fan (AC/DC Hybrid System)</b></p> <p><b>1. Electrical Specifications</b></p> <ul style="list-style-type: none"> <li>• <b>Motor Type:</b> High-efficiency <b>Brushless DC (BLDC) motor</b></li> <li>• <b>Power Input Compatibility:</b> Dual mode operation <ul style="list-style-type: none"> <li>○ <b>AC Input:</b> 220–240V, 50Hz</li> <li>○ <b>DC Input:</b> 12V / 24V (solar or battery compatible system)</li> </ul> </li> <li>• <b>Power Consumption:</b> <ul style="list-style-type: none"> <li>○ Low Speed: <b>5 – 10 Watts</b></li> <li>○ High Speed: <b>25 – 35 Watts</b></li> <li>○ Must ensure energy efficiency of <b>≥70% savings compared to conventional fans (70–100W range)</b></li> </ul> </li> <li>• <b>Winding &amp; Core Material:</b> <ul style="list-style-type: none"> <li>○ 99.99% pure copper winding</li> <li>○ High-grade electrical steel lamination core</li> </ul> </li> <li>• <b>DC Current Consumption:</b> Approx. <b>3 Amperes at 12V operation</b></li> <li>• <b>Input Frequency:</b> 50 Hz (AC mode operation)</li> </ul> <p><b>2. Performance Specifications</b></p> <ul style="list-style-type: none"> <li>• <b>Rotational Speed (RPM):</b> 300 – 380 RPM</li> <li>• <b>Air Delivery:</b> Minimum <b>11,000 – 12,000 CFM</b></li> <li>• <b>Energy Efficiency (Service Value):</b> Greater than <b>170 CFM/Watt or equivalent efficiency ratio</b></li> <li>• <b>Speed Control:</b> Minimum <b>5 to 7 speed levels</b></li> <li>• <b>Operation:</b> Ultra-silent performance with noise reduction technology</li> </ul> <p><b>3. Features &amp; Functional Requirements</b></p>	4	

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<ul style="list-style-type: none"> <li>• <b>Inverter Technology:</b> Automatic switching between AC and DC power during load shedding (UPS/Solar compatible operation)</li> <li>• <b>Remote Control:</b> RF (Radio Frequency) remote control system (non-line-of-sight operation required)</li> <li>• <b>Timer Function:</b> Programmable timer settings (minimum 1, 2, 4, and 8 hours)</li> <li>• <b>Protection Systems:</b> <ul style="list-style-type: none"> <li>○ Over-voltage and under-voltage protection</li> <li>○ Reverse polarity protection for DC input</li> <li>○ Stable voltage fluctuation handling system</li> </ul> </li> <li>• <b>Optional Feature:</b> Reversible blade rotation for seasonal airflow optimization</li> </ul>		
<p><b>4. Physical &amp; Material Specifications</b></p>		
<ul style="list-style-type: none"> <li>• <b>Sweep Size:</b> Standard <b>56 inches</b>, with optional <b>36-inch and 48-inch variants</b></li> <li>• <b>Blade Material:</b> Aerodynamic <b>aluminum alloy blades</b> for high air delivery and durability</li> <li>• <b>Number of Blades:</b> 3 to 4 blades (balanced aerodynamic design required)</li> <li>• <b>Insulation:</b> High-grade “E” class <b>varnish insulation</b> for voltage fluctuation protection</li> <li>• <b>Design Requirement:</b> Anti-corrosion coating with balanced rotor design for vibration-free operation</li> </ul>		
<p><b>5. Energy Efficiency Requirement</b></p>		
<ul style="list-style-type: none"> <li>• Must comply with <b>high energy efficiency BLDC standards</b></li> <li>• Low power consumption with maximum airflow output</li> <li>• Suitable for <b>solar, UPS, and grid-based hybrid systems</b></li> </ul>		
<p><b>6. Safety &amp; Protection</b></p>		
<ul style="list-style-type: none"> <li>• Overload protection system</li> <li>• Surge protection for electrical fluctuations</li> <li>• Safe operation under low and high voltage conditions</li> <li>• Thermal protection for motor longevity</li> </ul>		
<p><b>7. Warranty &amp; Support</b></p>		
<ul style="list-style-type: none"> <li>• Minimum <b>1-year comprehensive warranty</b></li> </ul>		

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<ul style="list-style-type: none"> <li>• Motor warranty preferred <b>3–5 years or higher</b></li> <li>• Local spare parts and after-sales support required</li> </ul> <p><b>8. General Compliance Requirements</b></p> <ul style="list-style-type: none"> <li>• Equipment must be <b>brand new and unused</b></li> <li>• Only <b>internationally recognized BLDC fan manufacturers acceptable</b></li> <li>• No refurbished, repaired, or altered units allowed</li> <li>• Must be suitable for <b>continuous domestic and commercial use</b></li> </ul>		
<p><b>14. One 75–80 Inch LED Display Specifications</b></p> <p><b>Display &amp; Picture</b></p> <ul style="list-style-type: none"> <li>• Screen Size: <b>75" to 80"</b></li> <li>• Resolution: <b>4K UHD (3840 × 2160 pixels)</b></li> <li>• Display Technology: <b>LED / QLED</b></li> <li>• HDR Support: <b>HDR10+ / HDR10</b></li> <li>• Backlighting: <b>Direct LED / Edge LED</b></li> </ul> <p><b>Refresh Rate</b></p> <ul style="list-style-type: none"> <li>• Standard Models: <b>60Hz minimum</b></li> <li>• Preferred (Optional): <b>Up to 120Hz</b></li> </ul> <p><b>Smart Features</b></p> <ul style="list-style-type: none"> <li>• Operating System: <b>Android TV / Google TV / Tizen OS</b></li> <li>• Built-in Applications: <b>YouTube, Netflix, Web Browser</b></li> <li>• Wireless Screen Mirroring / Casting: <b>Supported</b></li> </ul> <p><b>Audio</b></p> <ul style="list-style-type: none"> <li>• Output Power: <b>Minimum 20W (Preferred 30W or higher)</b></li> <li>• Audio Technology: <b>Dolby Audio / Dolby Atmos support</b></li> </ul> <p><b>Connectivity</b></p> <ul style="list-style-type: none"> <li>• HDMI Ports: <b>Minimum 3 (at least 1 with ARC/eARC)</b></li> <li>• USB Ports: <b>Minimum 2</b></li> <li>• Network: <b>Ethernet (LAN), Dual-band Wi-Fi</b></li> <li>• Wireless: <b>Bluetooth enabled</b></li> </ul>	1	

Item		
<p><b>Physical Specifications</b></p> <ul style="list-style-type: none"> <li>• Width: <b>Approx. 167–180 cm</b></li> <li>• Height: <b>Approx. 96–105 cm (without stand)</b></li> <li>• Design: <b>Slim, narrow bezel / bezel-less</b></li> </ul> <p><b>Common Features</b></p> <ul style="list-style-type: none"> <li>• <b>ALLM (Auto Low Latency Mode)</b> – Optional</li> <li>• <b>VRR (Variable Refresh Rate)</b> – Optional</li> <li>• <b>Voice Control: Built-in Google Assistant / Bixby</b></li> </ul> <p><b>Viewing Distance</b></p> <ul style="list-style-type: none"> <li>• Recommended Viewing Distance: <b>10 to 13 feet (3 to 4 meters)</b></li> </ul> <p><b>Usage Requirement (Office Purpose)</b></p> <ul style="list-style-type: none"> <li>• Suitable for: <ul style="list-style-type: none"> <li>○ <b>Conference rooms &amp; boardrooms</b></li> <li>○ <b>Presentations and training sessions</b></li> <li>○ <b>Video conferencing &amp; digital display</b></li> </ul> </li> <li>• Must support <b>continuous operation (–12 hours/day)</b></li> <li>• Should include <b>wall-mount compatibility (VESA standard)</b></li> </ul>		
<p><b>15. One 2.5 Ton Tower Type Inverter Air Conditioner Specifications</b></p> <p><b>General</b></p> <ul style="list-style-type: none"> <li>• Type: <b>Floor Standing / Tower Type Air Conditioner</b></li> <li>• Capacity: <b>2.5 Ton (Approx. 28,000 – 30,000 BTU/h   8.2 – 8.8 kW)</b></li> <li>• Application: <b>Large halls, conference rooms, commercial office spaces</b></li> </ul> <p><b>Cooling Performance</b></p> <ul style="list-style-type: none"> <li>• Cooling Capacity: <b>28,000 – 30,000 BTU/h</b></li> <li>• Coverage Area: <b>Up to 900 – 1200 sq. ft. (depending on insulation and environment)</b></li> <li>• Air Throw Distance: <b>Minimum 15–20 meters</b></li> <li>• Airflow: <b>≥ 1500 m³/h with multi-speed fan</b></li> </ul> <p><b>Compressor</b></p> <ul style="list-style-type: none"> <li>• Type: <b>Inverter Technology (Dual Inverter / Twin Rotary Compressor)</b></li> </ul>	1	

Item		
<ul style="list-style-type: none"> <li>• Energy Efficiency: <b>High SEER / EER rating (energy saving)</b></li> </ul> <p><b>Power Requirements</b></p> <ul style="list-style-type: none"> <li>• Power Supply: <b>Single Phase, 220–240V, 50 Hz</b></li> <li>• Voltage Range: <b>Wide voltage operation (stabilizer-free preferred)</b></li> </ul> <p><b>Refrigerant</b></p> <ul style="list-style-type: none"> <li>• Type: <b>R32 (Eco-friendly, low GWP)</b></li> </ul> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• <b>4D Airflow (Vertical &amp; Horizontal Swing)</b></li> <li>• <b>Wi-Fi Enabled Smart Control (Optional but preferred)</b></li> <li>• <b>Self-Diagnosis &amp; Auto Restart</b></li> <li>• <b>Sleep Mode / Timer Function</b></li> <li>• <b>Turbo Cooling Mode</b></li> <li>• <b>Washable Air Filters</b></li> <li>• <b>Long-distance uniform cooling</b></li> </ul> <p><b>Noise Level</b></p> <ul style="list-style-type: none"> <li>• Indoor Unit: <b>≤ 45–50 dB</b></li> <li>• Outdoor Unit: <b>Low noise operation</b></li> </ul> <p><b>Physical Specifications (Approximate)</b></p> <ul style="list-style-type: none"> <li>• <b>Indoor Unit (Tower):</b> Height: <b>1800 – 1900 mm</b> Width: <b>500 – 600 mm</b> Depth: <b>300 – 400 mm</b></li> <li>• <b>Outdoor Unit:</b> Approx.: <b>950 × 830 × 330 mm</b></li> </ul> <p><b>Installation &amp; Design</b></p> <ul style="list-style-type: none"> <li>• Floor-standing cabinet type (<b>Tower design mandatory</b>)</li> <li>• Heavy-duty body suitable for <b>continuous commercial use (10–12 hours/day)</b></li> <li>• Easy maintenance access</li> </ul> <p><b>Warranty</b></p> <ul style="list-style-type: none"> <li>• Compressor: <b>Minimum 10 years</b></li> <li>• Parts: <b>1 year (or as per manufacturer policy)</b></li> </ul> <p><b>Brand Compliance (Optional)</b></p> <ul style="list-style-type: none"> <li>• Acceptable brands include: LG Electronics, Gree Electric Appliances, Haier, or</li> </ul>		

<b>Item</b>		
equivalent.		
<b>Total</b>		

**C. BIDDER DECLARATION**

1. The quoted rates are inclusive of supply, fabrication, hardware, polishing/lamination, transportation, loading/unloading, installation, labor, overheads, profit, and all incidental charges.
2. The bidder confirms that all works shall comply with the approved specifications and finish codes.
3. No escalation shall be claimed during the contract period.
4. The bidder has verified site measurements before submission of this financial proposal.

**Bidder Information**

<b>Description</b>	<b>Details</b>
Company Name	
NTN / Registration No.	
Authorized Signatory	
Contact No.	
Signature & Stamp	
Date	

**TERMS & CONDITIONS**

1. The bidder should submit all the relevant and required documents, else the bid will be considered incomplete and will be disqualified. The submitted documents will be assumed as final and last.
2. TheDoCCC&CF reserves the right to accept or reject any or all the bids or Increase/ Decrease the Quantities of items or as per SPPRA Rules.

3. The rates should be inclusive of FOB and GST, Income Tax & any other government duty.
4. The Bidder has to supply original items of good quality at Store of DoCC&CF. The refurbish, less quality or refurbish items will be un-accepted.
5. The substandard or below the mark manufactured material or components shall not be used for the Manufacturing otherwise on the day of inspection or afterward Procuring Agency may cancel the Purchase Order and cease the performance security.
6. Rejected consignment shall be returned back to dealers / suppliers at their own cost.
7. There shall be inspection in presence of representative(s) of the Bidder and Purchaser on arrival of items at Main Store.
8. Payment will be made on availability of funds, if delayed due to any reason; no extra interest / mark-up will be accepted / paid.
9. The Purchase / Supply orders submitted by the bidder of schools (public and private) will not be applicable and will not be assumed as standard required by the Procuring Agency.
10. In case of breach of contract, the damages suffered by the Procuring Agency shall be recovered to the full extent from the Contractor's Performance Security.
11. If the Bidder fails to deliver items within the time specified in the Purchase Order, the penalty will be imposed as approved by the Competent Authority (as per Rules).

**Bidder**  
Signature with stamp

**Chairman,**  
Procurement Committee.

## **Special Terms and Conditions (STCs) for Computer Equipment**

### **1. Product Authenticity and Newness**

- **Brand New Guarantee:** All items (Laptops, Printers, Desktops, and Peripherals) must be brand new, unused, and the latest current model. Refurbished, "gray market," or reconditioned items are strictly prohibited.
- **Verification:** The Procuring Agency reserves the right to verify the serial numbers of all supplied equipment directly with the Original Equipment Manufacturer (OEM).
- **Proof of Import:** For imported hardware, the bidder may be required to provide copies of Bill of Entry or Import Documents to prove the equipment was channeled through authorized legal routes.

## 2. Technical Compliance and Inspection

- **Manufacturer's Authorization:** Bidders must provide a valid **Manufacturer's Authorization Form (MAF)** specifically for this tender. This ensures the bidder is an authorized partner and the warranty will be honored by the OEM.
- **Pre-Delivery Inspection (PDI):** The department reserves the right to inspect a sample unit or the entire lot at the bidder's premises before delivery to ensure all technical specifications (e.g., DDR5 RAM, 14th Gen processors) are met.
- **Software Licensing:** All operating systems must be **factory-preinstalled and genuine**. Volume Licensing or OEM keys must be verifiable via the official activation servers.

## 3. Warranty and After-Sales Support

- **Comprehensive Warranty:** A minimum of **one (1) year** comprehensive "parts and labor" on-site warranty is required.
- **Response Time:** The successful bidder must provide a "Next Business Day" response for any hardware failure. If a component (e.g., Laptop motherboard or Printer fuser) cannot be repaired within 72 hours, a backup unit of equal or higher specification must be provided temporarily.
- **Local Support:** The bidder must have a functional service center or authorized representative in the local region (Sindh/Karachi) to ensure prompt maintenance.

## 4. Delivery and Installation

- **Turnkey Setup:** The price must include delivery, unboxing, and full installation. For desktops and printers, this includes driver installation, network configuration (Wi-Fi/Ethernet), and testing of all MFP functions (Scan-to-Email/Cloud).
- **Delivery Timeline:** Equipment must be delivered within **2 weeks** from the issuance of the Purchase Order.
- **Risk of Loss:** The risk of loss or damage to the goods remains with the bidder until formal acceptance and sign-off by the Department's IT representative.

## 5. Documentation and Training

- **Manuals:** Each unit must be delivered with its original user manuals, driver media (if applicable), and warranty cards.
- **Operational Training:** For the **Multifunction Printers (MFPs)**, the vendor must provide a brief orientation session for departmental staff covering toner replacement, clearing paper jams, and using the scanning software.

## 6. Payment and Penalties

- **Payment Terms:** 100% payment will be processed only after successful delivery, installation, and issuance of a **Final Acceptance Certificate (FAC)** by the technical committee.

- **Liquidation Damages:** In case of delayed delivery, a penalty of **0.5% per week** (or part thereof) of the total contract value will be deducted, up to a maximum of 10%.
- **Performance Security:** The successful bidder may be required to submit a Performance Bank Guarantee (typically 5–10%) valid for the duration of the warranty period.

## 7. Consumables and Future Compatibility

- **Toner Availability:** For items 1 and 3 (Printers), the bidder must certify that replacement toner cartridges and drums are readily available in the local market for at least the next 3 years.
- **Driver Support:** The hardware must remain compatible with future OS updates (e.g., Windows 11/12) within the warranty period.

## 8. Data Security and Privacy

- **Solid State Drive (SSD) Retention:** In the event of a storage drive failure during the warranty period, the department shall retain the faulty SSD to prevent data leakage. The vendor must provide a replacement drive without requiring the return of the defective unit.
- **Firmware Integrity:** All hardware must be delivered with the latest stable firmware/BIOS updates to patch known security vulnerabilities (e.g., TPM 2.0 must be enabled and active).
- **No Pre-installed Bloatware:** Laptops and Desktops must be free from "trial-ware" or third-party promotional software that may compromise system performance or network security.

## 9. Environmental and Power Resilience

- **Power Protection:** Given local power fluctuations, all desktop power supply units (PSUs) must be tested for stability under variable voltage. The vendor should recommend or bundle compatible surge protectors if requested.
- **Energy Efficiency:** Preference will be given to equipment with **Energy Star** or **EPEAT** certification to align with the department's climate-conscious objectives.
- **Heat Dissipation:** Laptops and Desktops must pass a thermal stress test during the inspection to ensure the cooling systems (Liquid or Air) are functioning at peak capacity under load.

## 10. Packaging and Labeling

- **Standardized Labeling:** Each box must be clearly labeled with the **Contract Number, Item Name, and Serial Number**.
- **Asset Tagging:** The vendor shall assist in applying the department's asset tags to the hardware at the time of installation and provide an electronic list (Excel) matching serial numbers to asset IDs.
- **Eco-friendly Disposal:** The vendor is responsible for removing all packaging waste (cartons, thermocol, plastic wrap) from the department's premises immediately after installation.

## 11. Technical Support Escalation Matrix

- **Dedicated Account Manager:** The vendor must assign a dedicated focal person for the duration of the warranty period to handle technical queries and service requests.
- **Escalation Path:** A formal escalation matrix (Level 1 to Level 3 support) with contact details must be provided as part of the bid to ensure issues are resolved if the initial response is delayed.

## 12. Component Matching and Uniformity

- **Uniformity of Supply:** All 7 Laptops must be of the same brand and model to ensure ease of maintenance and driver management. Mixed models for the same line item will not be accepted.

- **Genuine Accessories:** All peripherals (Headsets, Mice, Mousepads) provided with the desktops must be original, high-quality items as per the specified tech-standards, not generic substitutes.

### 13. Rights to Rejection

- **Dead on Arrival (DOA):** Any unit found to be defective within the first 15 days of installation shall be treated as "Dead on Arrival." The vendor must replace the DOA unit with a brand-new factory-sealed unit within 48 hours.
- **Substandard Components:** If any internal component (e.g., RAM or SSD brand) is found to be of lower quality than the industry standard or the submitted bid, the entire lot may be rejected at the bidder's expense.

### 14. Performance Monitoring

- **Quarterly Health Check:** During the 1-year warranty, the vendor shall perform a mandatory quarterly "Health Check and Cleaning" (especially for the High-Performance Desktops and Color Printers) to ensure optimal airflow and print quality.

## Special Terms and Conditions for Plant and Machinery

### 1. Installation, Commissioning, and Testing

- **Site Readiness:** The vendor must conduct a site visit prior to delivery to certify that the installation site meets all electrical, structural, and environmental requirements.
- **Turnkey Commissioning:** The "Total Price" must include unboxing, assembly, placement, and successful commissioning. The machinery must be demonstrated to be fully operational as per the Technical Specifications.
- **Performance Acceptance Test (PAT):** Final acceptance is contingent upon the machinery passing a continuous 24-to-48-hour performance test under standard operating loads without failure or deviation.

### 2. Specialized Training and Capacity Building

- **Technical Training:** The vendor must provide comprehensive on-site training for at least 3 departmental operators. This must cover:
  - Standard Operating Procedures (SOPs).
  - Daily maintenance and calibration.
  - Troubleshooting and safety protocols.
- **Certification:** The vendor shall issue "Competency Certificates" to the staff successfully trained on the machinery.

### 3. Quality Standards and Compliance

- **International Certifications:** All machinery must comply with relevant international standards (e.g., ISO, CE, or UL). Bidders must provide valid certificates for the specific models offered.
- **Calibration:** If the machinery includes measuring or monitoring equipment (like air quality sensors), it must be delivered with a **Valid Calibration Certificate** from an accredited third-party laboratory.

### 4. Extended Warranty and Maintenance (LTSA)

- **Comprehensive Warranty:** A minimum of **2 years** comprehensive warranty is required for Plant and Machinery, covering all mechanical and electronic components.

- **Post-Warranty Support:** Bidders must provide a commitment to supply spare parts and consumables for at least **5 to 10 years** after the machinery's end-of-life or discontinuation.
- **Preventive Maintenance (PM):** The vendor shall perform scheduled preventive maintenance (e.g., oil changes, filter replacements, or sensor cleaning) every [3/6] months during the warranty period at no additional cost.

## 5. Spare Parts and Consumables

- **Initial Spare Parts Kit:** The vendor must include a "Critical Spare Parts Kit" (containing items prone to high wear and tear) to ensure the machinery remains operational during the first year of use.
- **Local Availability:** The bidder must maintain a local inventory of essential consumables to ensure a lead time of no more than 7 days for replacement parts.

## 6. Safety and Environmental Protection

- **Safety Features:** Machinery must include emergency stop buttons, protective guards, and clear warning labels in both English and Urdu (where applicable).
- **Noise and Vibration:** The equipment must operate within the permissible noise levels as defined by the **Sindh Environmental Quality Standards (SEQS)**.
- **Protection against Power Surges:** Since this is high-value machinery, the vendor must include/recommend suitable voltage stabilizers or industrial-grade UPS systems to protect sensitive electronic controllers.

## 7. Documentation and Manuals

- **Comprehensive Manuals:** Each machine must be accompanied by:
  - Original Operator's Manual.
  - Technical Service/Repair Manual.
  - Circuit Diagrams and Part Lists.
- **Log Books:** The vendor shall provide a "Service Log Book" to record all maintenance, repairs, and hours of operation.

## 8. Liquidated Damages for Downtime

- **Downtime Penalty:** If the machinery remains non-functional for more than [5] consecutive days due to a lack of response from the vendor, a penalty of 0.1 % of the contract value per day of downtime will be applied.

Schedule of Requirements/BOQs

Item No.	Description of Items	Quantity	Unit Price (PKR)	Total Price (PKR)
1	Printers (MFP)	10		
2	Laptops	07		
3	Color Printer	01		
4	Desktop Computer System	04		
5	Inverter Water Dispenser	01		
6	Inverter Air Conditioner	07		
7	CCTV Surveillance System	01		
8	Double Door Refrigerator	01		
9	High-Performance Laser Projector	01		
10	AI-Powered Smart LED TV	02		
11	Digital DSLR Camera Kit	01		
12	High-Speed Digital Photocopier	01		
13	BLDC Inverter Ceiling Fan	04		
14	LED/LCD 75-80 inches	1		
15	Tower AC 2.5 tons	1		
	Total			



NO. SO(ECC&CDD)D-1/2026  
GOVERNMENT OF SINDH  
ENVIRONMENT, CLIMATE CHANGE &  
COASTAL DEVELOPMENT DEPARTMENT

Karachi, Dated: 8<sup>th</sup> February, 2026

**NOTIFICATION**

SO.Admin.(ECC&CDD)- / : In pursuance of Rule 31 of the Sindh Public Procurement Rules, 2019 (as amended up to date), Complaint redressal Committee (CRC) is hereby constituted for redressal of grievances of bidders during the procurement in the Directorate of Climate Change and Carbon Financing

**Composition of the Procurement Committee (PC):**

S. No.	Name / Designation	Position
01	Special Secretary, ECC&CDD	Chairman
02	Independent Professional to be nominated by the Secretary ECC&CDD	Member
03	Representative of Accountant General	Member

**Terms of Reference (TORs)**

As per Rule 31 of the SPP Rules.

(ZUBAIR AHMED CHANNA)  
Secretary Environment Climate Change  
& Coastal Development Department  
Dated the 6<sup>th</sup> February, 2026

SO(ECC&CDD) V- /2025: Karachi,

A copy is forwarded for information & necessary action to:

1. The Accountant General Sindh, Karachi
2. The Executive Director, Directorate of Climate Change & Carbon Financing Karachi
3. The Chairman/Members (All) of the Committee
4. The P.S to Secretary, Environment, Climate Change & Coastal Development Department
5. Office File.

Section Officer Admin.



NO. SO(ECC&CDD)D-1/2026  
GOVERNMENT OF SINDH  
ENVIRONMENT, CLIMATE CHANGE &  
COASTAL DEVELOPMENT DEPARTMENT

Karachi, Dated: 8<sup>th</sup> February, 2026

**NOTIFICATION**

NO. SO(ECC&CDD)D-1/2026: In pursuance of Rule 7 of the Sindh Public Procurement Rules, 2010 (as amended up to date), a Procurement Committee (PC) is hereby constituted for the procurement in the Directorate of Climate Change and Carbon Financing.

**Composition of the Procurement Committee (PC):**

S. No.	Name / Designation	Position
01	Executive Director, Directorate of Climate Change and Carbon Financing	Chairman
02	Assistant Director, Adm & Finance, Directorate of Climate Change and Carbon Financing	Member
03	Section Officer (Budget) ECC&CDD	Member

**Terms of Reference (TORs)**

As per Rule 8 of the SPP Rules.

(ZUBAIR AHMED CHANNA)  
Secretary Environment Climate Change  
& Coastal Development Department

NO. SO(ECC&CDD)D-1/2026/2025: Karachi.

Dated the 8<sup>th</sup> February, 2026.

A copy is forwarded for information & necessary action to:

1. The Accountant General Sindh, Karachi.
2. The Executive Director, Directorate of Climate Change & Carbon Financing Karachi.
3. The Chairman/Members (All) of the Committee.
4. The P.S to Secretary, Environment, Climate Change & Coastal Development Department.
5. Office File.

Section Officer Admin