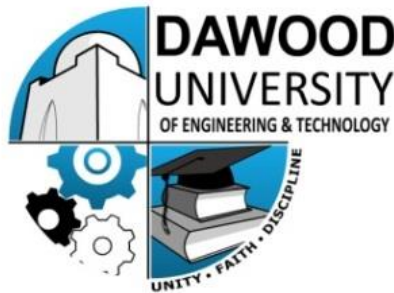


SPPRA STANDARD FORM OF BIDDING DOCUMENT FOR PROCUREMENT OF GOODS



PROCUREMENT OF LABORATORY EQUIPMENT INDUSTRIAL ENGINEERING & MANAGEMENT DEPARTMENT, DUET, KARACHI

Name of Bidder/Company: _____

Complete Details, Contact No & Address : _____

DATE OF REGISTRATION WITH FBR: _____

FBR NTN NO: _____ (ATTACH COPY)

GST: _____ (ATTACH COPY)

SRB: _____ (ATTACH COPY)

NIC NO: _____ (ATTACH COPY)

Signature & Stamp of Bidder

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INVITATION FOR BIDS



DAWOOD UNIVERSITY OF ENGINEERING AND TECHNOLOGY (DUET)

New M.A. Jinnah Road, Karachi-74800 (PAKISTAN)
PHONE: 021-99231195-98, 99230307, 99232381 FAX: 021-99230710

REF: NIT/INE/LAB-EQP/2026/9

NOTICE INVITING TENDERS ON EPADS

EPADS website :<https://portalsindh.eprocure.gov.pk/#/>

Under the relevant provision of SPP rules 2010 (amended till to date), Bids are invited online on SPPRA EPADS Portal from relevant experienced firm in the relevant field for following Procurements:

Sr. No.	Tender Title	Fixed Amount of Bid Security (In Rs.)	Tender Fee (Non-Refundable)	Estimated Cost (In Million)	Date of Issuance & of Bidding Document on EPADS	Last Date & Time for Submission of Bids on EPADS	Date & Time for Opening of Bids on EPADS
1.	PROCUREMENT OF LAB EQUIPMENT FOR INDUSTRIAL ENGINEERING & MANAGEMENT	359,400/-	Rs.3000/-	7.188 Million	08-09-2026	22-09-2026 03:00 PM	22-09-2026 03:30 PM

Eligibility: Income Tax- GST, NTN and SRB registered firms (As per SPPRA Rule 46 1a (iii) is mandatory).

Method of Procurement: Single Stage One Envelope (Technical & Financial both) as per SPP Rules 2010 of Rule 46(1).

Bidding Documents can be obtained / downloaded and will be submitted on SPPRA EPADS Portal/ website EPADS: <https://portalsindh.eprocure.gov.pk/#/> as per above mentioned schedule and also available on DUET own website: www.duet.edu.pk. Bidders are advised to get the registration on EPADS portal at <https://sindh.eprocure.gov.pk/#/supplier/registration>. Bidders are required to submit a hard copy of bidding document and other required documents as per bidders eligibility criteria. The required amount of Bid Security & Tender Fee (Non-Refundable) in the appropriate form as per SPP Rules (Pay Order / Bank Guarantee / Demand Draft) in favour of Dawood University of Engineering & Technology (DUET), Karachi submission will be at Director (ICT), Convener Procurement Committee at the time of submission as specified above: In case of any Govt. Holiday or unforeseen situation or incident, the bids shall be issued, submitted & opened on the next / working day as per schedule. Place of issuance & inquiries will be at Procurement Section. Tenders will be opened at Office of the Director, ICT / Convenor Dawood University of Engineering & Technology, Karachi.

Under the following conditions Bid will be rejected:

- Conditional and telegraphic bids/tenders
- Bids not accompanied by bid security & non-refundable tender fee
- Bids received after a specified date and time
- Bid received without Signature & Stamp
- Bid submitted without required documents as per qualification criteria
- In accordance with the relevant provisions of the SPP rules 2010 (Amended till to date), if the firm is currently blacklisted (an affidavit on legal stamp paper must be attached stating that the firm is not blacklisted at present)

All other terms & conditions are mentioned in the bidding documents. The procuring agency reserves the right to reject all or any bids subject to the relevant provision of Sindh Public Procurements Rules 2010 (Amended till to date).

**Procurement Officer,
DUET**



Signature & Stamp of Bidder

INSTRUCTIONS TO BIDDERS

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Instructions to Bidders

A. Introduction

1. Source of Funds

- 1.1 The Procuring agency has received /applied for loan/grant/federal/provincial/local government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project /schemes specified in the bidding data and it is intended that part of the proceeds of this Loan/grant/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 only at the request of the Procuring agency and upon approval by the Government of Sindh., and in case of a project will be subject in all respect to the terms and conditions of the agreement. The Project Agreement prohibits a withdrawal from the allocated fund account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government/ Sindh Government, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.

2. Eligible Bidders

- 2.1 This Invitation for Bids is open to all suppliers from eligible source as defined in the SPP Rules 2010 (Amended 2017) and its Bidding Documents except as provided hereinafter.
- 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 Procuring agency 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 Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Sindh.
- 2.4 Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the

any government organization in accordance with sub clause 34.1

- | | |
|---------------------------------------|---|
| 3. Eligible Goods and Services | <p>3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, defined in the SPP Rules 2010 (amended up to date) and its Bidding Documents, and all expenditures made under the contract will be limited to such goods and services.</p> <p>3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.</p> <p>3.3 The origin of goods and services is distinct from the nationality of the Bidder.</p> |
| 4. Cost of Bidding | <p>4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as “the Procuring agency,” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.</p> |

B. The Bidding Documents

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| 5. Content of Bidding Documents | <p>5.1 The bidding documents include:</p> <ul style="list-style-type: none"> (a) Instructions to Bidders (ITB) (b) Bid Data Sheet (c) General Conditions of Contract (GCC) (d) Special Conditions of Contract (SCC) (e) Schedule of Requirements (f) Technical Specifications (g) Bid Form and Price Schedules (h) Bid Security Form (i) Contract Form (j) Performance Security Form (k) Manufacturer’s Authorization Form <p>5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder’s risk and may result in the</p> |
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rejection of its bid.

- 6. Clarification of Bidding Documents** 6.1 A interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.

- 7. Amendment of Bidding Documents** 7.1 At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative or in response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.

7.2 All interested bidders that have received the bidding documents will be notified of the amendment in writing, and will be binding on them.

7.3 In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

- 8. Language of Bid** 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the language specified in the Bid Data Sheet. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern.

- 9. Documents Comprising the Bid** 9.1 The bid prepared by the Bidder shall comprise the following components:
- (a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;
 - (b) documentary evidence established in accordance with ITB

Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;

- (c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and
- (d) bid security furnished in accordance with ITB Clause 15.

10. Bid Form 10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.

11. Bid Prices 11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.

11.2 Prices indicated on the Price Schedule shall be delivered duty paid (DDP) prices. The price of other (incidental) services, if any, listed in the Bid Data Sheet will be entered separately.

11.3 The Bidder's separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Procuring agency and will not in any way limit the Procuring agency's right to contract on any of the terms offered.

11.5 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as nonresponsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

12. Bid Currencies 12.1 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.

**13. Documents
Establishing
Bidder's**

13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

Eligibility and Qualification

13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring agency's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.

13.3 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:

- (a) that, 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) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (c) that, 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 Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.

14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of 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.

14.2 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.

14.3 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;

- (b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Procuring agency; and
- (c) 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.

14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, 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. 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 Specifications.

15. Bid Security 15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.

15.2 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.

15.3 The bid security shall be in Pak. Rupees and shall be in one of the following forms:

- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency and valid for thirty (30) days beyond the validity of the bid; or
- (b) irrevocable cashable on-demand Bank call-deposit.

15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Procuring agency as nonresponsive, pursuant to ITB Clause 24.

15.5 Unsuccessful bidders' bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Procuring agency pursuant to ITB Clause 16.

15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 32, and furnishing the performance security, pursuant to ITB Clause 33.

15.7 The bid security may be forfeited:

(a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or

(b) in the case of a successful Bidder, if the Bidder fails:

(i) to sign the contract in accordance with ITB Clause 32;

Or

(ii) to furnish performance security in accordance with ITB Clause 33.

16. Period of Validity of Bids

16.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Procuring agency as nonresponsive.

16.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

17. Format and Signing of Bid

17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.

17.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a

person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

18. Sealing and Marking of Bids 18.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope.

18.2 The inner and outer envelopes shall:

- (a) be addressed to the Procuring agency at the address given in the Bid Data Sheet; and
- (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 2.2.

18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late”.

18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Procuring agency will assume no responsibility for the bid’s misplacement or premature opening.

19. Deadline for Submission of Bids 19.1 Bids must be received by the Procuring agency at the address specified under ITB Clause 18.2 no later than the time and date specified in the Bid Data Sheet.

19.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and

obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

20.Late Bids 20.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribed by the Procuring agency pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

21. Modification and Withdrawal of Bids 21.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.

21.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. by a signed confirmation copy, postmarked not later than the deadline for submission of bids.

21.3 No bid may be modified after the deadline for submission of bids.

21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

22. Opening of Bids by the Procuring agency 22.1 The Procuring agency will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register evidencing their attendance.

22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.

22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) 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.

22.4 The Procuring agency will prepare minutes of the bid opening.

23. Clarification of Bids

23.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. 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.

24. Preliminary Examination

24.1 The Procuring agency will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.

24.3 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.

24.4 Prior to the detailed evaluation, pursuant to ITB Clause 25 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 (ITB Clause 15), Applicable Law (GCC Clause 30), and Taxes and Duties (GCC Clause 32), will be deemed to be 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.

24.5 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.

25. Evaluation and Comparison of Bids

25.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.

25.2 The Procuring agency's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing duties and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.

25.3 The Procuring agency's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 25.4:

- (a) incidental costs
- (b) delivery schedule offered in the bid;
- (c) deviations in payment schedule from that specified in the Special Conditions of Contract;
- (d) the cost of components, mandatory spare parts, and service;
- (e) the availability Procuring agency of spare parts and after-sales services for the equipment offered in the bid;
- (f) the projected operating and maintenance costs durin*g the life of the equipment;
- (g) the performance and productivity of the equipment offered; and/or
- (h) other specific criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.

25.4 For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

- (a) Incidental costs provided by the bidder will be added by Procuring agency to the delivered duty paid (DDP) price at

the final destination.

(b) *Delivery schedule.*

- (i) The Procuring agency requires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements which will be treated as the base, a delivery “adjustment” will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.

or

- (ii) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.

or

- (iii) The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.

(c) *Deviation in payment schedule.*

- (i) 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.

or

- (ii) The SCC stipulates the payment schedule offered by

the Procuring agency. If a bid deviates from the schedule and if such deviation is considered acceptable to the Procuring agency, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, at the rate per annum specified in the Bid Data Sheet.

(d) *Cost of spare parts.*

- (i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

or

- (ii) The Procuring agency will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.

or

- (iii) The Procuring agency will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Procuring agency or other procuring agencies in similar situations. Such costs shall be added to the bid price for evaluation.

(e) *Spare parts and after sales service facilities in the Procuring agency's country.*

The cost to the Procuring agency of establishing the minimum service facilities and parts inventories, as outlined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

(f) *Operating and maintenance costs.*

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the Bid Data Sheet or in the Technical Specifications.

(g) *Performance and productivity of the equipment.*

(i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below the norm of 100, an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalized cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

or

(ii) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid, and adjustment will be added to the bid price using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

i. *Specific additional criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.*

The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications.

Alternative

25.4 Merit Point System:

The following merit point system for weighing evaluation factors can be applied if none of the evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.

[In the Bid Data Sheet, choose from the range of]

Evaluated price of the goods	60 to 90
Cost of common list spare parts	0 to 20
Technical features, and maintenance and operating costs	0 to 20
Availability of service and spare parts	0 to 20
Standardization	0 to 20
Total	100

The bid scoring the highest number of points will be deemed to be the lowest evaluated bid.

- 26. Contacting the Procuring agency** 26.1 Subject to ITB Clause 23, 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 the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.

- 26.2 Any effort by a Bidder to influence the Procuring agency in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

F. Award of Contract

- 27. Post-qualification** 27.1 In the absence of prequalification, the Procuring agency will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.
- 27.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 13.3, as well as such other information as the Procuring agency deems necessary and appropriate.
- 27.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

- 28. Award Criteria** 28.1 Subject to ITB Clause 30, the Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is

determined to be qualified to perform the contract satisfactorily.

**29. Procuring
agency's Right
to Vary
Quantities at
Time of Award**

29.1 The Procuring agency reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

**30. Procuring
agency's Right
to Accept any
Bid and to
Reject any or
All Bids**

30.1 The Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Procuring agency's action.

**31. Notification of
Award**

31.1 Prior to the expiration of the period of bid validity, the Procuring agency will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.

31.2 The notification of award will constitute the formation of the Contract.

31.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.

**32. Signing of
Contract**

32.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.

32.2 Within 07 days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.

**33 Performance
Security**

33.1 Within 14 days of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.

33.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute 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 or call for new bids.

**34. Corrupt or
Fraudulent
Practices**

34.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made there under:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(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 non-competitive levels and to deprive the Procuring agency of the benefits of free and open competition;

(b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract.

34.2 Furthermore, Bidders shall be aware of the provision stated in sub-clause 5.4 and sub-clause 24.1 of the General Conditions of Contract.

General Conditions of Contract

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General Conditions of Contract

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 Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring agency under the Contract.
- (d) “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any Other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) “GCC” means the General Conditions of Contract contained in this section.
- (f) “SCC” means the Special Conditions of Contract.
- (g) “The Procuring agency” means the organization purchasing the Goods, as named in SCC.
- (h) “The Procuring agency’s country” is the country named in SCC.
- (i) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract.
- (j) “The Project Site,” where applicable, means the place or places named in SCC.
- (k) “Day” means calendar day.

2. Application 2.1 These General Conditions shall apply to the extent that they are

not superseded by provisions of other parts of the Contract.

- 3. Country of Origin** 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and further elaborated in the SCC.

3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.

4. Standards 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.

- 5. Use of Contract Documents and Information; Inspection and Audit by the Government**
- 5.1 The Supplier shall not, without the Procuring agency’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Procuring agency’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier’s performance under the Contract if so required by the Procuring agency.

5.4 The Supplier shall permit the Procuring agency to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the procuring agency, if so required.

6. Patent Rights 6.1 The Supplier shall indemnify the Procuring agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Procuring agency's country.

7 Performance Security 7.1 Within 14 days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency; or

(b) a cashier's or certified check.

7.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (60) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

8. Inspections and Tests 8.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at

the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency.

- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 8.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring agency or its representative prior to the Goods' shipment from the country of origin.
- 8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring agency.

10. Delivery and Documents

- 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.
- 10.2 Documents to be submitted by the Supplier are specified in SCC.

11. Insurance 11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility.

12. Transportation 12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Procuring agency's country, transport to such place of destination in the Procuring agency's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.

13. Incidental Services 13.1 The Supplier may be required to provide any or all of following services, including additional services, if any, specified in SCC:

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; And
- (e) training of the Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.

14. Spare Parts 14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

(a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and

(b) in the event of termination of production of the spare parts:

(i) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and

(ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements.

in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from Design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.

15.5 If the Supplier, having been notified, fails to remedy the defect(s)

within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

16. Payment 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.

16.2 The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Procuring agency, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.

16.4 The currency of payment is Pak. Rupees.

17. Prices

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Procuring agency's request for bid validity extension, as the case may be.

18. Change Orders 18.1 The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring agency;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be

made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring agency's change order.

19. Contract Amendments

19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

20 Assignment

20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.

21 Subcontracts 21.1 The Supplier shall notify the Procuring agency in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

21.2 Subcontracts must comply with the provisions of GCC Clause 3.

22. Delays in the Supplier's Performance

22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.

22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.

22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

23. Liquidated

23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or

Damages

all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

24. Termination for Default 24.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 22; or
- (b) if the Supplier fails to perform any other obligation(s) under the Contract.
- (c) if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“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.

“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 Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

24.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those

undelivered, and the Supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure 25.1

Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

26. Termination for Insolvency

26.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring agency.

27. Termination for Convenience

27.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency’s convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier’s receipt of notice of termination shall be accepted by the Procuring agency at the

Contract terms and prices. For the remaining Goods, the Procuring agency may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

28. Resolution of Disputes 28.1 The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner and/or arbitration.

29. Governing Language 29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

30. Applicable Law 30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country, unless otherwise specified in SCC.

31 Notices 31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.

31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

32 Taxes and Duties 32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

BIDDING DATA

The following specific data for the goods to be tendered shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

Instructions to Bidders

Clause Reference

- 1.1 **Name of Procuring Agency**
Dawood University of Engineering & Technology (DUET), Karachi

Brief Description of Goods
As Per BOQ/ Schedule of Requirements

Source of Financing/Funding Agency:
Own

- 4.1 (a) **Procuring Agency's address:**
Dawood University of Engineering & Technology (DUET)
New M.A. Jinnah Road, Karachi-74800 Phone: 021-99232381

8.1 **Language of Bid:**

The Bid & all other correspondence and documents related to bid shall be prepared in **English** language. Information in any other language shall be accompanied by its translation in English.

- 11.2 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

11.5 **Bid Prices**

- i. Bid is valid till required period as per SPP rules at least 90 days
- ii. Bid prices are firm/fixed during currency of contract.
- iii. The completion period offered is within specified limits.
- iv. The bidder is eligible to Bid and possesses the requisite experience, capability, and qualification.
- v. Bid does not deviate from basic technical requirements.
- vi. Bids are generally in order, etc.

Procuring agency adopts Fixed Price Contract

- (a) **Fixed Price Contract:** In these contracts no escalation will be provided during currency of the contract.

13.3 (d) **Eligibility Criteria:**

Provided on the Last of Page of Bidding Documents.

15.1 **Amount of Bid Security**

Fixed amount of Bid Security amounting as mentioned in the NIT above for this tender in the shape of pay order / Bank Guarantee / Demand Draft or any other appropriate form as prescribed by SPPRA in the name of Dawood University of Engineering & Technology (DUET) Karachi.

16.1 **Period of Bid Validity**

90 days from opening of bids

17.1 **Number of Copies of the Bid to be submitted:**

One original

18.2 (a) **Procuring Agency's Address for the Purpose of Bid Submission**

Bidding Documents can be obtained and shall be submitted online through SPPRA EPADS web portal (EPADS web: <https://portalsindh.eprocure.gov.pk/#/>) as per mentioned schedule in the NIT and will also be available on DUET own website: www.duet.edu.pk. Bidders/Suppliers are advised to get the registration on SPPRA EPADS portal at <https://sindh.eprocure.gov.pk/#/supplier/registration>. Bidder shall submit original Bid Security & Tender Fee (Non-Refundable) in shape of Pay Order/DD/BANK GUARANTEE under the relevant provision of SPP rules 2010(amended to date) in favour of Dawood University of Engineering & Technology (DUET) at Director ICT, Convener Procurement Committee at the time of submission of bid as mentioned in the NIT.

Address: New M.A Jinnah Road, Karachi

19.1 **Deadline for Submission of Bids**

Mentioned in the NIT at Page #03 Above

22.1 **Venue, Time, and Date of Bid Opening:**

Mentioned in NIT at Page #03 Above

Special Conditions of Contract

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3. PERFORMANCE SECURITY (GCC CLAUSE 7)	
4. INSPECTIONS AND TESTS (GCC CLAUSE 8)	
5. PACKING (GCC CLAUSE 9)	
6. DELIVERY AND DOCUMENTS (GCC CLAUSE 10).	
7. INSURANCE (GCC CLAUSE 11)	
8. INCIDENTAL SERVICES (GCC CLAUSE 13)	
9. SPARE PARTS (GCC CLAUSE 14)	
10. WARRANTY (GCC CLAUSE 15)	
11. PAYMENT (GCC CLAUSE 16)	
12. PRICES (GCC CLAUSE 17)	
13. LIQUIDATED DAMAGES (GCC CLAUSE 23)	
14. RESOLUTION OF DISPUTES (GCC CLAUSE 28)	
15. GOVERNING LANGUAGE (GCC CLAUSE 29)	
16. APPLICABLE LAW (GCC CLAUSE 30)	
17. NOTICES (GCC CLAUSE 31)	

Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Procuring agency is: **Dawood University of Engineering & Technology**

GCC 1.1 (h)—The Procuring agency's country is: **Pakistan**

GCC 1.1 (i)—The Supplier is:

2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VI of the bidding documents, "Eligibility for the Provisions of Goods, Works, and Services in Government-Financed Procurement".

3. Performance Security (GCC Clause 7)

GCC 7.1— The amount of performance security, as a percentage of the Contract Price, shall be submitted within seven (14) days from the date of Notification for award of contract. Under the relevant provision of SPP rules 2010 (amended) the bidder shall submit **performance security up to 10% of bid awarded price** in shape of pay order, call deposit or bank guarantee from any scheduled bank in Pakistan which shall be held and returned after maintenance/warranty period of one (01) year or after the expiry of Warranty Period.

4. Inspections and Tests (GCC Clause 8)

GCC 8.6 — All the supplies will be checked and tested prior to supply. All the payments in this connection will be borne by the Supplier.

5. Packing (GCC Clause9)

Same as per GCC 9

6. Delivery and Documents (GCC Clause10)

GCC 10.3— Upon shipment, the Supplier shall notify the Procuring agency the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail the following documents to the Procuring agency:

- i. Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- ii. Original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
- iii. Copies of the packing list identifying contents of each package;
- iv. Insurance Certificate;
- v. Manufacturer's or Supplier's warranty certificate;
- vi. Inspection certificate, issued by the nominated inspection agency, and the supplier's factory inspection report;
- vii. Certificate of origin.

7. Insurance (GCC Clause 11)

GCC 11.1—The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is vendor's responsibility. Since the Insurance is vendor's responsibility, they may arrange appropriate coverage.

8. Incidental Services (GCC Clause 13)

GCC 13.1—Incidental services to be provided are mentioned in GCC clause 13 and the cost of Incidental services are included in the Contract Price.

9. Spare Parts (GCC Clause 14)

GCC 14.1—Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible, but in any case within six (6) months of placing the order and opening the letter of credit.

10. Warranty (GCC Clause 15)

GCC 15.2—The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

- (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4,
or
- (b) pay liquidated damages to the Procuring agency with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be according to SCC Clause 13.

11. Payment (GCC Clause 16)

Payment for Goods supplied:

Payment shall be made in Pak. Rupees as per GCC clause 16

12. Prices (GCC Clause 17)

GCC 17.1— Prices charged by the Vendor/Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted in the approved bid.

13. Liquidated Damages (GCC Clause

23) GCC 23.1—Applicable rate:

If you fail to complete the work within the stipulated time, the day to day liquidated damages at the rate of 2% of the value of contract per day shall be recovered from vendor/supplier subject to the maximum of **10%** (ten percent) of the value of contract.

14. Resolution of Disputes (GCC Clause 28)

GCC 28.3—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

In the case of a dispute between the Procuring agency and the Vendor/Supplier, the dispute shall be referred to Vice Chancellor Dawood University of Engineering & Technology (DUET) for adjudication or arbitration and the decision of the Vice Chancellor shall be binding for the Vendor/Supplier.

15. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language is **English** as specified in Bid Data Sheet.

16. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan which includes the following legislation:

The Employment of Children (ECA) Act 1991

The Bonded Labour System (Abolition) Act of 1992

The Factories Act 1934

17. Notices (GCC Clause 31)

18.

GCC 31.1— Procuring agency's address for notice purposes:

**Deputy Director -Procurement @ Directorate of Finance, DUET main campus,
New M.A Jinnah Road, Karachi**

— Supplier's address for notice purposes (**Pls add details**):

SCHEDULE OF REQUIREMENTS

S. No.	Name of the Equipment	Quantity	B.E-INE., BS-MT, BS-IMT Courses Covered by Equipment	Courses Covered in other Faculties	Unit Price (Incl Govt. Applicable Tax)	Total Amount (Incl. Govt. Applicable Tax)
01	Computer Controlled Advanced Industrial Servosystem Trainer for DC Motors. Annexure-3	1	1. INE-2302 Instrumentation & Control (2+1) 2. INE-4110 Machine Design & CAD/CAM (3+1) 3. INE-4207 Computer Integrated Manufacturing (3+1) 4. IDE-x403 Industrial Automation (2+1) 5. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
02	Mobile Robot Platform for Learning and Development. Annexure-3	2	1. INE-1103 Workshop Practice (0+2) 2. INE-1301 Manufacturing Processes (3+1) 3. INE-2106 Metrology & Statistical Quality Control (3+1) 4. INE-3108 Work-study & Methods Engineering (3+1) 5. INE-3304 Design of Mechanisms (3+1) 6. INE-3305 Design of Experiments (3+1) 7. INE-2302 Instrumentation & Control (2+1) 8. INE-4110 Machine Design & CAD/CAM (3+1) 9. INE-4207 Computer Integrated Manufacturing (3+1) 10. IDE-x403 Industrial Automation (2+1) 11. IDE-x404 Artificial Intelligence and Machine Learning (2+1) 12. MS-x604 Project Management (3+1) 13. INE-4999 FYDP-I (0+3) 14. INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
03	The 6-Axis Robot Designed for Education and Research. Annexure-3	2	1. INE-1103 Workshop Practice (0+2) 2. INE-1301 Manufacturing Processes (3+1) 3. INE-2106 Metrology & Statistical Quality Control (3+1) 4. INE-3108 Work-study & Methods Engineering (3+1) 5. INE-3304 Design of Mechanisms (3+1) 6. INE-3305 Design of Experiments (3+1) 7. INE-2302 Instrumentation & Control (2+1) 8. INE-4110 Machine Design & CAD/CAM (3+1) 9. INE-4207 Computer Integrated Manufacturing (3+1) 10. IDE-x403 Industrial Automation (2+1) 11. IDE-x404 Artificial Intelligence and Machine Learning (2+1) 12. MS-x604 Project Management (3+1) 13. INE-4999 FYDP-I (0+3) 14. INE-4999 FYD-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		

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04	Large-format FDM 3D printer. Annexure-3	2	1. INE-1101 Engineering Drawing & CAD (2+1) 2. INE-1103 Workshop Practice (0+2) 3. INE-1301 Manufacturing Processes (3+1) 4. INE-2106 Metrology & Statistical Quality Control (3+1) 5. INE-3107 Operations Research (3+1) 6. INE-3108 Work-study & Methods Engineering (3+1) 7. INE-3304 Design of Mechanisms (3+1) 8. INE-3305 Design of Experiments (3+1) 9. INE-2302 Instrumentation & Control (2+1) 10. INE-4110 Machine Design & CAD/CAM (3+1) 11. INE-4207 Computer Integrated Manufacturing (3+1) 12. IDE-x403 Industrial Automation (2+1) 13. IDE-x404 Artificial Intelligence and Machine Learning (2+1) 14. MS-x604 Project Management (3+1) 15. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
05	Tachometer Annexure-4	2	1. INE-1103 Workshop Practice (0+2) 2. INE-2106 Metrology & Statistical Quality Control (3+1) 3. INE-3108 Work-study & Methods Engineering (3+1) 4. INE-2302 Instrumentation & Control (2+1) 5. IDE-x403 Industrial Automation (2+1) 6. IDE-x404 Artificial Intelligence and Machine Learning (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
06	High Functionality Type Digital Torque Gauge Annexure-4	2	1. INE-1103 Workshop Practice (0+2) 2. INE-2106 Metrology & Statistical Quality Control (3+1) 3. INE-3108 Work-study & Methods Engineering (3+1) 4. INE-2302 Instrumentation & Control (2+1) 5. IDE-x403 Industrial Automation (2+1) 6. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
07	Wave wireless EMG(Electromyography) Annexure-5	02	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		

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08	Electroencephalogram (EEG) Annexure-5	1	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
09	Force Plate with Base frame and wireless data adapter. Annexure-5	1	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
10	Heart rate monitor (POLAR, Bluetooth) Annexure-5	2	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
11	Blood pressure apparatus (Digital) Annexure-5	1	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
12	Wireless twin Axis Goniometers for dynamic joint movement measurement Annexure-5	4	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
13	GoPro infrared cameras	2	1. INE-2106 Metrology & Statistical Quality Control (3+1)	• Faculty of BAS • Faculty of CARP		

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	Annexure-5		2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
14	Personal Computer with two 22" LED Screen Annexure-5	1	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
15	Lumbar Motion Monitors (LMM) Annexure-5	1	1. INE-2106 Metrology & Statistical Quality Control (3+1) 2. INE-3108 Work-study & Methods Engineering (3+1) 3. INE-3304 Design of Mechanisms (3+1) 4. INE-3305 Design of Experiments (3+1) 5. INE-2302 Instrumentation & Control (2+1) 6. INE-4204 Human Factors Engineering (2+1) 7. INE-4999 FYDP-I (0+3) and INE-4999 FYDP-II (0+3)	• Faculty of BAS • Faculty of CARP • Faculty of CEET • Faculty of Information and Computing Sciences • Faculty of IMEE • Faculty of PMC		
Total Amount (Incl. Govt. applicable tax)						

Total Amount In Words =

Note:

The detailed specifications for each item in the Schedule of Requirements are provided below, as per the relevant Annexures:

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Industrial Electronics (Advanced)

S. No.	Specification
01	COMPUTER CONTROLLED ADVANCED INDUSTRIAL SERVOSYSTEM TRAINER FOR DC MOTORS The 4-quadrant servo amplifier controls the motor operation and the braking operation in both rotation directions clockwise and counterclockwise. Velocity, Position and Torque Control. It allows predefined moves and programming. Control Interface Box: Front panel: Seven digital outputs: They have led's that indicate if the outputs are active or not. Output 1: this output indicates when the system has been referenced already. Output 2: this output indicates when a target position is reached. Output 3: this output indicates when the motor is running. Output 4: this output indicates when a command cannot be executed. Output 5: this output indicates when an error occurs. Output 6: this output is a user definable PWM-output (5 V, 0 – 100% duty cycle, 50 kHz). Output 7: this output is the common cathode of the freewheeling diode of the low side drivers. Thirteen digital inputs: Seven user definable digital inputs for process control. Digital input (trigger signal). Three digital inputs: reference, left limit and right limit: DI reference: digital input for reference switch. DI left limit: digital input for left limit switch of a linear unit. DI right limit: digital input for right limit switch of a linear unit. Two digital inputs power stage and stop: DI power stage: digital input for enabling the power stage. DI stop: digital input for switching the regulation off if the signal is removed. Two analog inputs with voltages in the range of 0 – 5 V. Two potentiometers to select the value of the analog inputs (0 – 5 V DC), these potentiometers are enabled by a commuting switch placed next to them. Ignition Switch. When the unit is on, the red LED is active and lighting. Back panel: Voltage supply. There is a voltage supply that feeds the unit with 220 V of alternating current. Motor power supply. It is a 24 V DC motor power supply (it is a three wires connection motor +, motor -, and one taking to earth). Connection port in series. It is a connection plug to connect the Control Interface with the PC by the RS-232 port, in order to allow the software to manage the motor.

	Connection with the Feedback. It is a connection with the motor Feedback. It allows the encoder to manage the motor. Direct Current Motor and Encoder Module: DC Motor, 90W. Position, speed and current are controlled by the Control Interface. Digital encoder, 500 pulses per revolution, with RS232 communication port. Two power supply wires (one for the motor and other for the Control Interface). Two communication RS232 wires (one from the Control Interface to the computer and other from the Control Interface to the encoder).
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Artificial Intelligence & Robotic Lab

S. No.	Specification
02	MOBILE ROBOT PLATFORM FOR LEARNING AND DEVELOPMENT EXTERNAL DIMENSIONS (LxWxH) 341 x 339 x 351 mm (13.4 x 13.3 x 13.8 in) WEIGHT 3.9 kg (8.6 lbs) WHEELS (Diameter) 72 mm (0.55 in) GROUND CLEARANCE 4.5 mm (0.17 in) SPEED AND PERFORMANCE MAX PAYLOAD 9 Kg - Default 15 kg - Custom Configuration MAX SPEED 0.31 m/s (safe mode), 0.46 m/s (cliff sensors disabled) MAX ROTATIONAL SPEED 1.90 rad/s BATTERY AND POWER SYSTEM CHEMISTRY 26 Wh Lithium Ion (14.4V nominal) Rechargeable CHARGE TIME 2.5 hrs OPERATINGTIME 2.5 - 4.0 hrs (load dependent) USER POWER VBAT @ 300mA, 12V @ TBD mA, 5V @ 500mA 3.3V @ 250mA DOCKING Base station for docked charging SENSORS 2D LIDAR RPLIDAR-A1 0.15-12m range; 8kHz sampling rate; 360 degree angular range; 1 degree angular resolution. CAMERA OAK-D-PRO 4K RGB auto focus camera (IMX378) Mono stereo camera pair (OV9282) IMU, Spatial AI processor IR Laser Dot Projector & Illumination LED OTHER SENSORS 2x front bumper zones, 2x wheel encoders, 4x IR cliff sensors, 6x IR obstacle sensors, 1x downward optical flow sensor for odometry, 1x 3D gyroscope, 1x 3D accelerometer, 1x battery level monitor OTHER ACTUATORS 2x Drive Motors, 6x RGB LED Ring 1x Speaker, 5 Status LEDs 2 User LEDs, 128x64 OLED Display COMPUTERS COMPUTER Raspberry Pi 4B (4 GB) SOFTWARE Ubuntu 20.04, ROS 2 2x Drive Motors, 6x RGB LED Ring 1x Speaker
03	The 6-Axis Robot Designed For Education And Research. Parameters Value Weight (kg) 7 Payload (g) 300 Reach (mm) 440 Degree of freedom 6 rotating joints Joints range (rad) Joints speed limit (rad/s)

	-2,949 = Joint 1 = 2,949 -2,09 = Joint 2 = 0,61 -1,34 = Joint 3 = 1,57 -2,089 = Joint 4 = 2,089 -1,919 = Joint 5 = 1.922 -2,53 = Joint 6 = -2,53 TCP max speed (mm/s) 468 Repeatability (mm) +/- 0,5 Footprint (mm) 200x200 Mounting Table Temperature (°C) 5 - 45 Human-Machine interface Joint 1 = 0.785 Joint 2 = 0.5235 Joint 3 = 0.785 Joint 4 = 1.57 Joint 5 = 1.57 Joint 6 = 1.775 3 control buttons (“FreeMotion” button, button to save a pose and “Custom” button) LED Ring Speakers Microphone Power supply Input: AC100-240V / 50-60Hz, 2,5A Output: DC 12V - 7A ; 5V - 7A I/O power supply 5V Parameters Value Inputs/ Outputs Back panel Inputs/ Outputs Control panel Digital inputs x3 Digital outputs x3 Analog outputs x2 Analog inputs x2 Digital inputs x1 Digital outputs x1 Robot interface 2 x USB2.0 2 x USB3.0 1 x ETHERNET GIGABIT Communication Modbus TCP (master) Materials Aluminum Programming Environment TCP/IP ABS-PC (injection moulding) Niryo Studio C++ PyNiryoRos PyNiryo ROS Collision detection Accelerometer and gyroscope in the control panel Certification CE Conformity
04	Large-format FDM 3D printer Build size L x W x H 255 (*240 dual head) x 205 x 400 mm or 10 x 8 x 15.7 inch Build volume 21 litres (5.5 gallons) Physical dimensions L x W x H 480 x 410 x 760 mm or 18.9 x 16 x 30 inch Total weight approx. 15 kg Extrusion speed 18mm³/s* with a 0.35 mm nozzle Motion speed Up to 200 mm/sec Layer height Minimum 50µm – maximum 250µm Print heads Up to 2

Machine Design CAM / CAD Lab

S. No.	Specification
02	Tachometer Sensor types Optically with mod. light beam Measuring range +1 to +99999 rpm Accuracy ± 1 digit Resolution $\pm 0.02\%$ of m.v. Mechanical Measuring range Accuracy ± 1 digit 0.01 rpm (+1 to +99.99 rpm) 0.1 rpm (+100 to +999.9 rpm) 1 rpm (+1000 to +99999 rpm) +0.1 to +19999 rpm $\pm 0.2\%$ of m.v. Operating temperature 0 to +50 °C Storage temperature -20 to +70 °C Battery type 2 AA batteries Battery life 40 h Display 5-figure LCD display, 1-line Dimensions 175 x 60 x 28 mm Weight 190 g
03	High Functionality Type Digital Torque Gauge - High sampling rate (2000Hz) for accurate results, capturing small changes and accurate peak values by following rapid changes of torque - Saves continuous data to USB flash drive directly without PC - Reduces risk of misreading values with easy-to-read high luminance organic EL display - Handles a wide range of samples with various optional attachments - Enables complex measurement such as material characteristic evaluation with optional software Force Recorder Professional available for real-time graphing of torque vs. time/angle *Angle meter is required for angle data Applications for torque adjustment, for loosening torque Other characteristics digital, electronic Torque Min.: 0.5 Nm (0.37 ft.lb) Max.: 10 Nm (7.38 ft.lb)

LIST OF REQUIRED EQUIPMENT ERGONOMICS LAB

S.No	Name and Description of Equipment
01.	Wave wireless EMG(Electromyography) (Bio monitor ME6000-T16) Wireless EMG Sensors with built-in wireless transmitter with EMG device with minimum 16 channel Also require ➤ Electrodes (2000 units) ➤ Ethanol (3 litres) ➤ Cotton ➤ Erasers (100) ➤ USB extension cables (5 cables) SOFTWARE: Data acquisition and analysis software is also required. (Mega Win.) EMG hardware and software should be completed in all aspects and user training should be provided.
02.	Electroencephalogram (EEG) 32 channels wireless Electroencephalogram (EEG) Monitor with Software for data analysis FEATURES: • Headcap with 32 grommets for Water Based Electrodes • Water Based Electrodes • <i>Acknowledge</i> software EEG hardware and software should be completed in all aspects and user training should be provided.
03.	Force Plate with Base frame and wireless data adapter. • Force plate including data acquisition and analysis software, complete in all aspects and user training should be provided.
04.	Heart rate monitor (POLAR, Bluetooth)
05.	Blood pressure apparatus (Digital)
06.	Wireless twin Axis Goniometers for dynamic joint movement measurement (Wrist, Arm, and Back), with Gyro sensor and data acquisition and analysis software, including mounting tape.
07.	GoPro infrared cameras Including Motion capturing pointers (50 pointers)
08.	Personal Computer with two 22" LED Screen & Nvidia 3D Hardware Acceleration Graphics Card for Human CAD Software (Specs: Core i7, minimum 7 th generation, including 1 TB SSD, and 16 GB ram) HP/DELL OR EQUIVALEN ONLY 03 YEARS MANUFACTURER WARRANTY
09.	Lumbar Motion Monitors (LMM) with associated cables, accessories, data acquisition and analysis software and user training should be provided.

Important Notes for Bidder:

Signature & Stamp of Bidder

1. Delivery within 60 Days
2. Supplier shall provide manufacturer details & Authorization and complete brochure of equipment.
3. All online PDF submissions must be signed and stamped by the Bidder.
4. Under the relevant provision of SPP rules 2010 (amended) where Model No or Brand Name is mentioned the word “**Or Equivalent**” will read in conjunction with.
5. One Year Comprehensive Warranty with technical support services and training to procuring agency’s personnel at DUET premises. (Conditional Warranty shall not be accepted)
6. Supplier shall be responsible for Supply, Installation, Testing and Training of all items subject to satisfactory certificate from Concerned Head Of Department / Section.
7. All Govt. applicable taxes shall be deducted as per rule.
8. All terms and conditions are mentioned in the bidding documents.
9. After the due date liquidated damages upto 10% (2% Per Day) will be imposed as per SPP rules 2010. Once Maximum deduction is reached Procuring Agency shall cancel the contract and will award Contract to the 2nd Lowest bidder to complete the task and the performance security/bid security shall be forfeited which may cause blacklisting of supplier.
10. Repeated or severe delays can damage a supplier's reputation and lead to exclusion from future bidding processes.
11. All Charges must be included in the cost no separate charges will be paid to supplier on account of transport & shipping.
12. Supplier must be capable to supply & install all the items with in completion period.
13. Conditional Bid Shall be rejected.
14. All lab equipment offered must be brand new, latest model from reputed international manufacturers / Local Manufacturers / OEMs with Complete accessories and must fully comply with the required technical specifications. Refurbished, obsolete, or substandard brands/items shall not be accepted. Bidders must submit manufacturer authorization, original catalogue/brochure, and country of origin with the bid. The Procuring Agency reserves the right to reject any item not meeting quality and specification requirements.

1. Bid Form and Price Schedules

Date: _____
FB N^o: _____

To: *[name and address of Procuring Agency]*

Gentlemen and/or Ladies:

Having examined the bidding documents including Addenda Nos. *[insert numbers]* , the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to _____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring agency.

We agree to abide by this Bid for a period of *[number]* days from the date fixed for Bid opening under Clause 22 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state “none”)

We understand that you are not bound to accept the lowest or any bid you may receive.

Signature & Stamp of Bidder

Dated this _____ day of _____ 19____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Signature & Stamp of Bidder

BIDDERS INITIAL QUALIFICATION / ELIGIBILITY (YES / NO BASIS)

S#	Qualification Criteria / Description	Required Supporting Documents	Bidder's Response (Yes/No)	Remarks (For Official Use)
1	Registration & Tax Compliance (Must be Active Tax Payer)	Valid NTN, GST and SRB Registration certificates with active tax payer status to be checked online		
2	Relevant Experience (05 Years)	Proof of 05 years experience after FBR registration. Work Order / Completion Certificate / Satisfactory Report.		
3	Manufacturer Authorization	Original Manufacturer Authorization Letter for this tender as per BOQ		
4	Financial Turnover	Last 05-years Annual Turnover (min. 20.00 Million). Attach Proof (Bank Statement / FBR Returns) duly sign & stamp		
5	Warranty & Support	One Year Comprehensive Warranty with technical support.		
6	Training	Free of Cost		
9	Technical Specification as per Schedule of Requirement	As per Schedule of Requirement Or Equivalen		
10	Tender Fee	Non-Refundable Tender Fee Original Pay Order (at the time of submission of bid)		
11	Bid Security	Must be submitted Original at the time of submission of Bid else bid will be rejected		
12	Non-Blacklisting Affidavit	Undertaking on E-Stamp Paper that currently firm is not a black listed firm and all the information submitted for this tender are true & correct.		

Signature & Stamp of Bidder

12	Technical Compliance	All the documents submitted by bidder are signed & stamped		
13	Delivery of Items / Completion Period	60 Days		
14	Local Karachi Office Presence	Complete Details Required		

Important Note for Bidders:

- If a bidder fails to provide the required proof or documentation as per the qualification criteria outlined in the tender it can lead to their disqualification from the bidding process.
- The Procurement Committee shall examine & evaluate all bids under the relevant provision of SPP rules 2010.
- Complete Bidding Documents along with all relevant and other required documents as per eligibility criteria must be attached with the proposal, else the bid will be rejected.
- Any conditional bid will be rejected.

Signature & Stamp of Bidder

2. Bid Security Form

Whereas *[name of the Bidder]* (hereinafter called “the Bidder”) has submitted its bid dated *[date of submission of bid]* for the supply of *[name and/or description of the goods]* (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called “the Bank”), are bound unto *[name of Procuring agency]* (hereinafter called “the Procuring agency”) in the sum of for which payment well and truly to be made to the said Procuring agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ____ day of _____ 19 ____.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring agency during the period of bid validity:
 - (a) fails or refuses to execute the Contract Form, if required; or
 - (b) fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

we undertake to pay to the Procuring agency up to the above amount upon receipt of its first written demand, without the Procuring agency having to substantiate its demand, provided that in its demand the Procuring agency will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

[signature of the bank]

3. FORM OF CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____ 2026 between *[name of Procuring Agency]* of *[country of Procuring agency]* (hereinafter called “the Procuring agency”) of the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Procuring Agency’s Notification of Award.
3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____ the _____ (for the Procuring agency)

Signed, sealed, delivered by _____ the _____ (for the Supplier)

Signature & Stamp of Bidder

4. Performance Security Form

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated _____ 19____ to supply *[description of goods and services]* (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guar-antee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____ 19_____.

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

Signature & Stamp of Bidder

5. Bank Guarantee for Advance Payment (n/a)

To: *[name of Procuring agency]*

[name of Contract]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called “the Supplier”) shall deposit with the Procuring agency a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring agency on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Procuring agency and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

Signature & Stamp of Bidder

6. Manufacturer's Authorization Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Procuring agency]*

WHEREAS *[name of the Manufacturer]* who are established and reputable manufacturers of *[name and/or description of the goods]* having factories at *[address of factory]*

do hereby authorize *[name and address of Agent]* *[reference of the Invitation to Bid]* to submit a bid, and subsequently negotiate and

sign the Contract with you against IFB No.

for the above goods

manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

Signature & Stamp of Bidder

(INTEGRITY PACT)
DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS

Contract No. _____

Dated: _____

Contract Value: _____

Contract Title: _____

M/s. _____ hereby declares that it has not obtained or induced the 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 GoS through any corrupt business practice.

Without limiting the generality of the foregoing, **M/s.** _____ 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 GoS, except that which has been expressly declared pursuant hereto.

M/s. _____ 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 GoS and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/s. _____ 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 rights and remedies available to GoS under any law, contract or other instrument, be voidable at the option of GoS.

Notwithstanding any rights and remedies exercised by GoS in this regard, **M/s.** _____ agrees to indemnify GoS for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoS in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee, or kickback given by **M/s.** _____ 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 GoS.

Procuring Agency.....

Name of Bidder:

Signature.....

Signature.....

Signature & Stamp of Bidder



DAWOOD UNIVERSITY OF ENGINEERING AND TECHNOLOGY
M. A. JINNAH ROAD, KARACHI-74800 (PAKISTAN)
PHONE: 021-99231195-98, 99232645 FAX: 021-9923071

No DUET/Reg/Procurement-C-Re-Const./2025-780
 28th August 2025

NOTIFICATION

In partial modification of Notification even of number and dated 22nd August 2025, it is notified that Vice Chancellor, Dawood University of Engineering and Technology, Karachi has been pleased to re-constitute the following 'Procurement Committee (PC)' of Dawood University of Engineering and Technology, Karachi for procurement of goods, works & services needs for a period of one year, with effect from 22nd August 2025.

S.#	Name	Designation & Department	Role
1	Dr. Izhar Hussain Zaidi	Director ICT, DUET	Convener
2	Dr. Raja Shahmir Nizam Shaikh	Director (Works & Services), DUET	Member
3.	Engr. Neelam Memon	Director (Works & Services), Faculty of I&CS, DUET	Member
4.	Engr. Ishfaq Khanzada	Communication Network Engineer Department of Main Communication Network, University of Karachi	Member
5.	Engr. Shahzaib Naeem	Procurement Officer, Jinnah Sindh Medical University, Karachi.	Member
6.	Mr. Muhammad Asif Hashim	Procurement Officer, Procurement Section, DUET	Secretary

2. Head of Concerned Department or Nominee shall be adopted as a Co-opted Member/Technical Expert, as and when necessary, as per recommendations of Procurement Committee. Two-third of the members shall form the quorum and presence of at least one outside member shall be mandatory.

3. The Convener shall receive and keep all bidding documents and after opening of bids the security money shall be kept with Finance Department.

Functions of Procurement Committee (As per SPPRA Rule 8):

- o Prepare and/ or Reviewing bidding documents;
- o Carrying out technical as well as financial evaluation of the bids;
- o Preparing evaluation report as provided in Rule 45
- o Making recommendations for the award of contract Award to the Competent Authority
- o Perform any other function ancillary and incidental to above.

4. This issues with the approval of the Vice Chancellor.

Prof. Dr. Syed Asif Ali Shah
 Registrar

C.c to:

- Procurement Committee members
- P.S to Vice Chancellor, DUET, Karachi.
- Director Finance, DUET, Karachi.
- Office record file.



DAWOOD UNIVERSITY OF ENGINEERING & TECNOLOGY
M.A.JINNAH ROAD, KARACHI-74800 (PAKISTAN)

No. DUET/REG/2022
Dated: 22-07-2022

COMPLAINT REDRESSAL COMMITTEE (CRC)

In Pursuance of Rule-31 of the Sindh Public Procurement Rules 2010 (amended in 2013), the Competent Authority is pleased to re-constitute a Complaint Redressal Committee (CRC) comprising of the following officers as under to resolve the complaints of aggrieved bidders:

- | | |
|---|----------|
| 1. Prof. Dr. Syed Asif Ali Shah
Registrar
Dawood University of Engineering & Technology (DUET) | Chairman |
| 2. Representative of Accountant General
Government of Sindh | Member |
| 3. Independent Professional Expert
(To be nominated from relevant field) | Member |

ToRs

- To perform according to Rule 31 of SPPRA rules 2010 (amended 2013)
- To perform any other functions ancillary and incidental to above.

This is issued with the approval of the Competent Authority

Registrar



DAWOOD UNIVERSITY OF ENGINEERING AND TECHNOLOGY (DUET)
New M.A. Jinnah Road, Karachi-748000(PAKISTAN)
 PHONE: 021-99231195-98, 99230307, 99232381 FAX: 021-99230710

Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
Repair & Maintenance Building (Civil Works)	Repair & Maintenance Building (Civil Works)	74.50	Non ADP / Own	Open Competitive Bidding Process (OCB)	1st - 4th
Electrification Plumbing & Other Infrastructure	Electrification Plumbing & Other Infrastructure	5.50	Non ADP / Own	OCB	1st - 4th
Stationary (Including controller examination dept stationary)	Stationary	4.5484	Non ADP / Own	OCB	1st Quarter
Printing of Annual Reports 2023-24	Printing & Publication	8.4215	Non ADP / Own	OCB	1st Quarter
Printing & Designing of DUET Graduate Profile Directory (as per DUET specs): Printing + Designing of Graduate Profile Directory Pages 400 Pages Size: 8.4" x 11" 4+4 Color Printing 128 Gram art/mat paper Cover 4+4 Color Printing on 350 Gram Art Card with Mat Lamination & Spot UV on Front Side.	Printing & Publication	1.6905	Non ADP / Own	OCB	1st Quarter

Signature & Stamp of Bidder



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Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
Procurement of Prospectus Kit (Laptop Bag, Stationary included Pen printed DUET, pencil HB, Eraser, Sanitizer bottle 30 ML. Printed DUET Logo & vision mission, Water Bottles 600 ML (Temperature Bottles) Printing & Designing of DUET Prospectus, DUET Newsletters, DUET Handbooks and DUET Writing Pad	Printing & Publication	5.9400	Non ADP / Own	OCB	1st Quarter
Procurement of Examination Material Printing for Controller of Examination Department	Printing & Publication	1.5647	Non ADP / Own	OCB	4th Quarter
Procurement Of Gowns	Generic Consumable	3.7070	Non ADP / Own	OCB	3rd Quarter
Procurement of Designing & Printing Material for Upcoming DUET Convocation 2025			Non ADP / Own	OCB	1st Quarter
1. Invitation Cards 1200 Qty,	Convocation Expense	0.8980	Non ADP / Own	OCB	1st Quarter
2. Degree Folders 400 qty,	Convocation Expense		Non ADP / Own	OCB	1st Quarter
3. Award Shields Fancy Imported Wooden Material approved good quality 05 Qty,	Convocation Expense		Non ADP / Own	OCB	1st Quarter
4. Certificates 50 Qty	Convocation Expense		Non ADP / Own	OCB	1st Quarter
Procurement of Gold Medals & Silver Medals for DUET Convocation 2025	Convocation Expense	0.5745	Non ADP / Own	OCB	1st Quarter
Procurement of Various Services (Decoration, Catering/Food etc on DUET Convocation 2025	Convocation Expense	7.2290	Non ADP / Own	OCB	1st Quarter

Signature & Stamp of Bidder



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Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
AUDITORIUM SMD, SOUND SYSTEM, MULTIMEDIA, ELECTRIC WORK, FIRE ALARM SYSTEM		8.7015	Non ADP / Own	OCB	
Wiring & Wiring Accessories	Electrification, Plumbing and Other Infrastructure	1.1746	Non ADP / Own	OCB	3rd Quarter
Cable Containment	Electrification, Plumbing and Other Infrastructure	0.5587	Non ADP / Own	OCB	3rd Quarter
Switches & Sockets	Electrification, Plumbing and Other Infrastructure	0.0923	Non ADP / Own	OCB	3rd Quarter
		1.8256	Non ADP / Own	OCB	
Lighting & Fixtures	Repair & Maintenance Building	0.4949	Non ADP / Own	OCB	3rd Quarter
Main Sub-Main Cables for Sub Station Main Panel to Auditorium	Repair & Maintenance Building	11.3497	Non ADP / Own	OCB	3rd Quarter
Voice & Data Communication System	Repair & Maintenance Building	0.3792	Non ADP / Own	OCB	3rd Quarter
Supply & Installation of Earthing System	Repair & Maintenance Building	0.0683	Non ADP / Own	OCB	3rd Quarter
		12.2921	Non ADP / Own	OCB	
Multimedia Projector 4000 Lumens with Projector Screee 20x15 ft including installation, cabling, mounting kit	IT Equipment	3.37	Non ADP / Own	OCB	3rd Quarter
SMD Screen 6 x 12 ft, with cabling installation Uni Lumen	IT Equipment	11.638	Non ADP / Own	OCB	3rd Quarter
CCTV System (complete System)	IT Equipment	2.2735	Non ADP / Own	OCB	3rd Quarter

Signature & Stamp of Bidder



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Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
		17,2815	Non ADP / Own	OCB	
Fire Alarm System	Office & Electric Equipment	2,6982	Non ADP / Own	OCB	3rd Quarter
Sound System	Office & Electric Equipment	10,4419	Non ADP / Own	OCB	3rd Quarter
Supply & Installation of UPS 6 KVA & 10 KVA	Office & Electric Equipment	2,9407	Non ADP / Own	OCB	3rd Quarter
		16,0808	Non ADP / Own	OCB	
Pre-qualification of Auto Workshops from interested firms owned workshop for repair & maintenance of DUET vehicles (LTV & HTV)	Repair & Maintenance Transport	3,5000	Non ADP / Own	OCB	1st Quarter
Procurement of Repair & Maintenance Services Annual Basis for Regular Service & Maintenance of all DUET ACs/HVAC units	Repair & Maintenance (Machinery & Equipment)	1,7500	Non ADP / Own	OCB	1st Quarter
Renewal of Contract Agreement of Existing Contractor for providing Janitorial Services for the year 2024-25	Service Charges	17,3053	Non ADP / Own	OCB	1st Quarter
Renewal of Contract Agreement of Existing Security Services for the year 2024-2025	Service Charges	14,2070	Non ADP / Own	OCB	1st Quarter
		31,5123	Non ADP / Own	OCB	

Signature & Stamp of Bidder



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Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
CMS SOFTWARE - 2nd Year License Renewal Cost with complete technical support	Software	8.1400	Non ADP / Own	OCB	4th Quarter
Orientation Day Expenses			Non ADP / Own	OCB	3rd - 4th Qtr
Roman banner MS Pipe Frame with Size 12 ft * 8 Ft Rental Basis	Generic Consumbales	0.1272	Non ADP / Own	OCB	
Media wall MS pipe Frame with Pana flex Size 12ft * 8 Ft Rental Basis	Generic Consumbales	0.0225	Non ADP / Own	OCB	
		0.1497	Non ADP / Own	OCB	
DECORATION SETUP ON ORIENTATION Group Photo Pavilion Setup for 80 Students in Flag Hoisting Lawn area with 6 VIP Chairs 6 Dispensers for Auditorium along with water bottle students & Parents Disposal glasses for students & Parents Mini Mineral Water Bottles Standing Fan Stage Seating Setup with white cloth and Flower setup for 8 persons SMD 10*20 Sound System 50 Chairs, Kanat, Tent, 6, 2.5 * 4 Table with Cover For waiting Area Tent, kanat, Table and Chairs with Cover For Auditorium lawn	Entertainment	0.2852	Non ADP / Own	OCB	3rd - 4th Qtr

Signature & Stamp of Bidder



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Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
Orientation Day Expenses - Lunch Boxes	Entertainment	0.5980	Non ADP / Own	OCB	3rd - 4th Qtr
		0.8832	Non ADP / Own	OCB	
Students Week (Decoration Rs. 426,000, Printing of Panaflex Rs. 25800/- & Sports items 37,107/-)	Students Activity	0.5000	Non ADP / Own	OCB	3rd - 4th Qtr
Gala Dinner (1000 Guests)		3.0385	Non ADP / Own	OCB	3rd - 4th Qtr
			Non ADP / Own		
			Non ADP / Own	OCB	3rd - 4th Qtr
LABORATORY EQUIPMENT					
Procurement of Lab Equipment Telecommunication Engineering Dept	Lab Equipment	29.0103	Non ADP / Own	OCB	3rd - 4th Qtr
Procurement of Lab Equipment Calibration & Services for Telecommunication Engineering Department	Lab Equipment	3.0000	Non ADP / Own	OCB	3rd - 4th Qtr
Procurement of Lab Equipment for Energy & Environmental Engineering Dept 1. SOLID WASTE AND BIO ENERGY 2. WATER AND WASTEWATER ENGINEERING 3. SOLAR ENERGY ENGINEERING 4. MICROBIOLOGY 5. AIR AND NOISE POLLUTION 6. WIND ENERGY ENGINEERING	Lab Equipment	26.2215	Non ADP / Own	OCB	3rd - 4th Qtr

Signature & Stamp of Bidder



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Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
Procurement of Lab Equipment for Metallurgy & Material Engineering (06 Labs) 1. Mechanical Testing LabGround Floor2. Metallography LabNew Building 2ND Floor3. Materials Synthesis LabGround Floor4. Advanced Materials Characterization LabGround Floor5. Corrosion Protection LabNew Building 2nd Floor 6. Foundry LabGround Floor	Lab Equipment	73.0000	Non ADP / Own	OCB	3rd - 4th Qtr
Procurement of Lab Equipment for DAP	Lab Equipment	6.17136	Non ADP / Own	OCB	3rd - 4th Qtr
Procurement of Lab Equipment for Chemical Engineering Department	Lab Equipment	25.0150	Non ADP / Own	OCB	3rd - 4th Qtr
Procurement of Lab Equipment for BSH	Lab Equipment	-	Non ADP / Own	OCB	3rd - 4th Qtr
		162.4182	Non ADP / Own	OCB	
Library Books	Library Books	12.8730	Non ADP / Own	-	3rd - 4th Qtr
Insurance for DUET New Fixed Assets , Computer Labs, Auditorium, Gulbeto Site Complete Infrastructure including Goods/Furniture	Others- Depreciation sinking fund	2.00	Non ADP / Own	OCB	3rd - 4th Qtr

Signature & Stamp of Bidder



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Procurement Plan 2024-25

Procurement Description	Head of Account	Proposed Estimate for Proc Plan 2024-25	Source of funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement
Vehicle Insurance 10 hino, 2 hiace, 4 bolan, 04 swift, 01 cultus, 02 corolla	Insurance	3.00	Non ADP / Own	OCB	3rd - 4th Qtr
Workshop Expenses for DAP by DEAN CARP	Conference Seminar /Workshop / Symposia	1.0606	Non ADP / Own	OCB	3rd - 4th Qtr

Director Finance, DUET

DIRECTOR FINANCE
Dawood University of
Engineering & Technology
Karachi

ANALYSES & COMMENTS / BRIEF RECORDINGS

BR

The looming winter energy crisis

RNG imports continue to remain in the limelight. When Pakistan has access to full supplies, the challenge is creating sufficient demand. Now that supplies have been disrupted by the war, however, RNG is falling short of demand, resulting in acute shortage leading to shortages in the Strait of Hormuz. Pakistan has made an appeal to secure 15 cargoes between March and August, only around one-quarter of its usual supply. Since the war, the power crisis has been intensifying.

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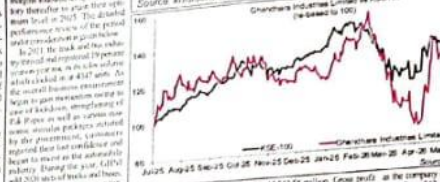
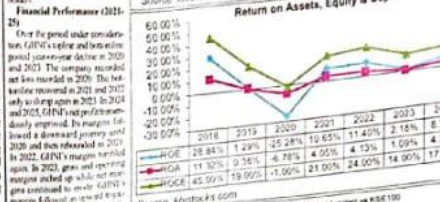
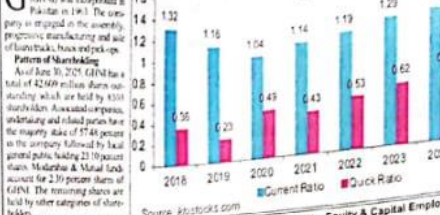
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Ghandhara Industries Limited



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REF: NIT/ENCLAB/EP/2025/59

NOTICE INVITING TENDERS ON EPADS

EPADS website: <https://epads.besund.com.pk>

Under the relevant provisions of SPP rules 2015 (Amended till date), Bids are invited online on SPPRA EPADS Portal from relevant experienced firms in the relevant field for following Procurements:

1. Tender Title: PROVISION OF LAB EQUIPMENT FOR INDUSTRIAL ENGINEERING & MANAGEMENT

2. Estimated Cost: Rs. 300,000/-

3. Estimated Cost: Rs. 300,000/-

4. Estimated Cost: Rs. 300,000/-

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26. Estimated Cost: Rs. 300,000/-

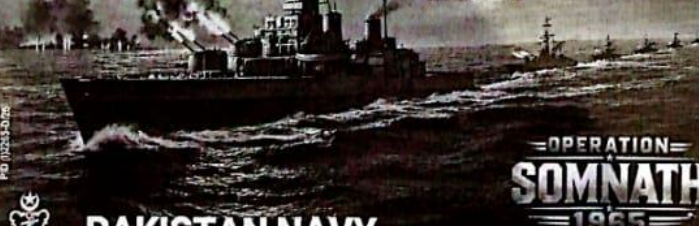
27. Estimated Cost: Rs. 300,000/-

28. Estimated Cost: Rs. 300,000/-

8 SEPTEMBER 1965

THE LEGACY OF 1965 STILL COMMANDS THE SEA

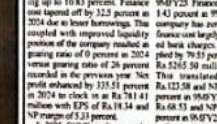
On 8th September 1965, Pakistan Navy carried out Operation SOMNATH: a daring surprise strike that destroyed the enemy's critical radar installations and infrastructure at Dwarka, shattered the myth of Indian naval supremacy and became an enduring symbol of courage, professional excellence and unwavering resolve.



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Pakistan Navy
A Multi-Dimensional Force



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