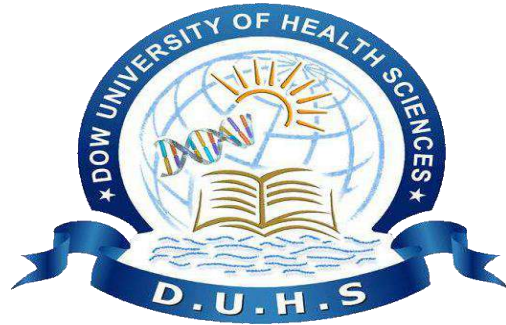


DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI



BIDDING DOCUMENTS

Single Stage – Single Envelope Procedure
As per Rule 46 (1) of SPPR, 2010 (Amended up to date)

IFB / NIT No. DUHS/W&S/2025/1450, Dated: 13th March, 2025

**CONSTRUCTION OF DOW APPNA
(CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.
(REF NO: DUHS/W&S-NIT/179)**

Estimated Cost: Rs. 160 Million

Bid Security: 5% of Offered Bid

Tender Cost: Rs. 7000/-

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NOTICE INVITING TENDER



Office Of The Director Works & Services DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Karachi-74200 Pakistan.

Tel: 9215754-57 Ext: 5814 Website: www.duhs.edu.pk

No. DUHS/W&S/2025/1450

Dated: March 13, 2025

TENDER NOTICE

Dow University of Health Sciences (DUHS), Karachi is a Public Sector University invites e-bids through E-Pak Acquisition & Disposable System (EPADS) from well-reputed Companies / Bidders / firms having registration with Federal Board of Revenue (FBR), Income Tax Department, Sindh Revenue Service Board, Sales Tax and Pakistan Engineering Council (PEC).

	NAME OF WORK	METHOD OF PROCUREMENT
1.	"CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES) AT OJHA CAMPUS, DUHS, KARACHI." (REF NO: DUHS/W&S-NIT/179)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)

Tender Fee	Rs. 7,000/- (Rupees Seven Thousand Only) Non-Refundable in shape of Pay Order / Demand Draft in favor of Dow University of Health Sciences, Karachi.
Security	Bid Security and Performance Security as mentioned in the bidding document.

E-Bidding documents as per detailed terms and conditions, specifications and requirements are available for the registered bidders on Sindh Public Procurement Regulatory Authority's EPADS at <https://portalsindh.eprocure.gov.pk/#/> and University website <https://duhs.edu.pk> on the payment noted above (non-refundable) on any working day except the day of opening of tenders.

The electronics bids must be submitted using EPADS before closing time **07-04-2025** at 10:00 Hrs. Manual bids, shall not be accepted. Electronic Bids will be opened on **07-04-2025** at 11:30 Hrs., The tender fee (non-refundable) and earnest money of total bid (refundable) in the form of a Pay Order or Demand Draft issued by a Scheduled Bank of Pakistan in favor of Dow University of Health Sciences, Karachi should be submitted at the 5th Floor of Administration Block DMC Campus near Civil Hospital before the deadline for submission of Electronic Bids through EPADS.

In case of any unforeseen situation resulting in the closure of the office on the date of opening or if Government declares Holiday the tenders shall be submitted/opened on the next working day at the same time & venue. The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended upto date) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under "Rule-25" of said Rules.

For any query for e-bidding, contact the office of the undersigned (DMC Campus), 5th Floor Administration Block, Baba-e-Urdu Road near Civil Hospital Karachi.

DIRECTOR

**Works & Services
Dow University of Health Sciences, Karachi**

INSTRUCTIONS TO BIDDERS

INSTRUCTION TO BIDDERS

A. GENERAL

IB.1 Scope of Bid

- 1.1 The Procuring agency as defined below hereinafter called “the Procuring agency” wishes to receive bids for the construction and completion works as described below and summarized referred to as the “Works”.

Name and Address of the Procuring agency:

The Procuring agency is “DOW UNIVERSITY OF HEALTH SCIENCES,

Name of the Project & Summary of the Works:

**“CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.”**

(REF NO: DUHS/W&S-NIT/179)

- 1.2 The successful bidder will be expected to complete the works within the time specified in Appendix-A to Bid.
- 1.3 Joint Venture not allowed

IB.2 Source of Funds

- 2.1 The Procuring agency has arranged funds from University Development Working Party (UDWP) and it is intended that part of the proceeds of this will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

IB.3 Eligible Bidders

- 3.1 This invitation for Bids is open to all Bidders meeting the following requirements:
- Duly licensed by the Pakistan Engineering Council (PEC) in appropriate category / code and their license should be valid for the current calendar year.
 - Technically and Financially capable firm having adequate managerial capacity.
 - Valid Registration with FBR, SRB and NTN.
 - All Mandatory requirements must be compliance for the qualification

IB.4 One Bid per Bidder

- 4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture **(JOINT VENTURE NOT ALLOWED)**. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

IB.5 Cost of Bidding

- 5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Procuring agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Date & Time of Bid opening:

As Per NIT (Online through EPADs at <https://eprocure.gov.pk/>)

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

- 7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.
1. Instructions to Bidders.
 2. Bidding Data.
 3. General Conditions of Contract, Part-I (GCC).
 4. Particular Conditions of Contract, Part-II (PCC).
 5. Specifications – Special Provisions.
 6. Specifications - Technical Provisions.
 7. Form of Bid & Appendices to Bid.
 8. Bill of Quantities (Appendix-B to Bid).
 9. Form of Bid Security.
 10. Form of Contract Agreement.
- 7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

- 8.1 Any prospective bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Procuring agency in writing at the Procuring agency's address indicated in the Invitation for Bids. The Procuring agency will respond to any request for clarification which he receives earlier than (05) five days prior to the deadline for submission of bids.

Copies of the Procuring agency's response will be forwarded to all purchasers of the Bidding Documents, including a description of the enquiry but without identifying its source.

IB.9 Amendment of Bidding Documents

- 9.1 At any time prior to the deadline for submission of bids, the Procuring agency may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.
- 9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring agency.
- 9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring agency may extend the deadline for submission of bids in accordance with Clause IB.20

C. PREPARATION OF BIDS

IB.10 Language of Bid

- 10.1 The bid and all correspondence and documents related to the bid and the Procuring agency shall be in the bid language stipulated in the Bidding Data (English) and Particular Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Accompanying the Bid

- 11.1 Each bidder shall:

- (a) update the information indicated and listed in the Bidding Data and previously submitted with the application for prequalification, and continue to meet the minimum criteria set out in the prequalification documents which as a minimum, would include the following:
 - (i) Evidence of access to financial resources along with average annual construction turnover;
 - (ii) Financial predictions for the current year and the two following years including the effect of known commitments;
 - (iii) Work commitments since prequalification;
 - (iv) Current litigation information; and
 - (v) Availability of critical equipment.
- (b) Furnish a proposal considering the various details as following:
 - Proposed Construction Schedule
 - Method of Performing the Work
 - List of Major Equipment
 - Organization Chart for Supervisory Staff and other pertinent information. (if applicable)

IB.12 Bid Prices

- 121 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in Sub-Clause 1.1 hereof, based on the unit rates and / or prices submitted by the bidder.
- 122 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a Bidder will not be paid for by the Procuring agency when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities.
- 123 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a bidder.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

- 124 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 70 of the Conditions of Contract. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause. (not applicable)

IB.13 Currencies of Bid and Payment

- 13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. The Procuring agency shall make payment only in Pak Rupees and no foreign currency payments are admissible. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Procuring agency's country shall bear all the costs and risks for arranging the requirements of such currencies through his own resources.

IB.14 Bid Validity

- 14.1 Bids shall remain valid for the **90 Days** after the Date of Bid Opening specified in Clause IB.23.
- 14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Procuring agency may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

IB.15 Bid Security

- 15.1 Each bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data in Pak Rupees (5% of Bid Price in the form of Pay Order/ Bank Draft).
- 15.2 The Pay order shall be, at the option of the bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favor of the Procuring agency valid for a period 28 days beyond the Bid Validity date.
- 15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring agency as non-responsive.
- 15.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.

- 15.5 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.
- 15.6 The Bid Security may be forfeited:
- (a) if the bidder withdraws his bid except as provided in Sub-Clause 22.1;
 - (b) if the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof; or
 - (c) In the case of successful bidder, if he fails within the specified time limit to:
 - (i) furnish the required Performance Security; or
 - (ii) sign the Contract Agreement.

IB.16 Alternate Proposals by Bidder

- 16.1 Alternate Proposals by bidder are not invited. Bidder will only quote for the drawings and Design as provided in the Bidding Documents

IB.17 ERRORS, OMISSIONS & QUERIES:

- 17.2 (a) The bidder shall notify “the Procuring agency” of any inconsistencies, errors and omissions found in the Bid Documents, prior to the Bid Opening Date. Withholding of any such information which will later materially affect the contract price during construction may be considered as sufficient grounds for rejection of the Bid. All queries shall be directed to The Procuring Committee,
- 17.2 (b) The DUHS, Karachi is not responsible for any verbal communications or instructions to the bidders or Acceptable of the Bid Documents.

IB.18 Format and Signing of Bid

- 181 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.
- 182 All appendices to Bid are to be properly completed and signed and stamped.
- 183 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.
- 184 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring agency, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
- 185 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent. Bids shall be prepared and submitted on the form of “the Bid “provided. All blank spaces must be filled in and completed form advance without interlineations or iteration of the original wording. Bids with incomplete and

/or unsigned Form of Bid may be rejected/ considered Non Responsive. The bidder shall stamp and sign each page of Bid Documents for the purpose of identification and acknowledgement of acceptance thereof. The bids must conform in all respects to the Bid Documents.

- (a) provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.

IB.19 Single Stage- One Envelope Procedure

- a) Notice inviting tenders and bidding documents of this method shall contain the following eligibility criteria:
 - i. Relevant experience;
 - ii. Turn-over of at least three years;
 - iii. Registration with Income Tax, Sales Tax, SRB and Pakistan Engineering Council
 - iv. Any other factor deemed to be relevant by the procuring agency subject to provision of Rule 44;
 - v. All Mandatory requirements must be compliance for the qualification
- b) Each bid shall comprise one single procedure containing the financial proposal and required information mentioned at clause (a) above;
- c) All E-bids received shall be opened online on EPADS and evaluated in the manner prescribed in the Notice Inviting Tenders or bidding Document.

IB.20 Deadline for E-Submission of Bids

- 20.1 (a) Bids must be received online through EPADS.
- (b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

IB.21 Late Bids submission on EPADS

- Any bid which has not uploaded for EPADS within the deadline for e-submission shall not be accepted.

IB.22 Modification, Substitution and Withdrawal of Bids

- 22.1 Any bidder may modify, substitute or withdraw his bid after e-bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring agency prior to the deadline for submission of bids.
- 22.2 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with Sub-Clauses 22.1 and 27.2.
- 22.3 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

D. BID OPENING AND EVALUATION

IB.23 Bid Opening

23.1 Procuring agency will open the bids Online through EPADS at <https://eprocure.gov.pk/>,

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process Any effort by a bidder to influence the Procuring agency's processing of bids or award decisions may result in the rejection of such bidder's bid.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison of bids, the Procuring agency may, at its discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Procuring agency in the evaluation of the bids in accordance with Clause IB.28.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Procuring agency will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (i) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding

Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Procuring agency's rights or the bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3 If a bid is not substantially responsive, it will be rejected by the Procuring agency, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Procuring agency for any arithmetic errors. Errors will be corrected by the Procuring agency as follows:

- (a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Procuring agency there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Form of Bid will be adjusted by the Procuring agency in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub- Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

- 28.1 The Procuring agency will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26.
- 28.2 In evaluating the Bids, the Procuring agency will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:
 - (a) making any correction for errors pursuant to Clause IB.27;
 - (b) excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
 - (c) making an appropriate adjustment for any other acceptable variation or deviation.
- 28.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
- 28.4 If the Bid of the successful bidder is seriously unbalanced in relation to the Procuring agency's estimate of the cost of work to be performed under the Contract, the Procuring agency may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Procuring agency may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Procuring agency against financial loss in the event of default of the successful bidder under the Contract.
- 28.5 A bid with highly inflated or unworkable rates of any BOQ items may be considered non-conforming and rejected. The Procuring agency may also disqualify such bidder from participating in the subsequent bids who submits such unbalanced and/or unworkable rates of major items of work.

E. AWARD OF CONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, the Procuring agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest and technically qualified evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to Sub-Clause IB 29.2.

29.2 The Procuring agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

IB.30 Procuring agency's Right to accept any Bid and to reject any or all Bids

30.1 Notwithstanding Clause IB.29, 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 award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to expiration of the period of bid validity prescribed by the Procuring agency, the Procuring agency will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring agency will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

31.2 No Negotiation with the bidder having evaluated as lowest and technically qualified responsive or any other bidder shall be permitted, however, procuring agency may have clarification meetings to get clarify any item in the bid evaluation report.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Procuring agency and the bidder till signing of the formal Contract Agreement.

31.4 Upon furnishing by the successful bidder of a Performance Security, the Procuring agency will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

IB.32 Performance Security

- 32.1 The performance security shall be equal to an amount of 10% of the contract Price stated in the Letter of Acceptance. Such Security shall be in the Form of Pay order/irrevocable Bank Guarantee from any scheduled Bank of Pakistan acceptable to the Procuring agency in favor of Dow University of Health Sciences, Karachi. The performance security will be valid for a period (up to the completion of the Project) after the date of issue of Defect Liability Certificate.
- 32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.33 Signing of Contract Agreement

- 33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring agency will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.
- 33.2 The formal Agreement between the Procuring agency and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Procuring agency.

IB.34 General Performance of the Bidders

The Procuring agency reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Procuring agency may in case of consistent poor performance of any Bidder as reported by the procuring agencies of the previously awarded contracts, interilic, reject his bid and/or refer the case to the Pakistan Engineering Council (PEC). Upon such reference, PEC in accordance with its rules, procedures and relevant laws of the land take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for similar works.

IB.35 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-C to Bid in the Bidding Documents for all Federal Government procurement contracts Failure to provide such Integrity Pact shall make the bidder non- responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

BIDDING DATA

[NOTES ON BIDDING DATA]

This Section is intended to assist the Procuring agency in providing the specific information in relation to corresponding clauses in Instructions to Bidders and should be prepared to suit each individual contract.

The Procuring agency should provide in the Bidding Data information and requirements specific to the circumstances of the Procuring agency, the processing of the Bid, the applicable rules regarding Bid Price and currency, and the Bid evaluation criteria that will apply to the Bids. In preparing this section, the following aspects should be checked:

- (a) Information that specifies and complements the provisions of section; Instruction to Bidders must be incorporated.
- (b) Amendments and/or supplements, if any, to the provisions of Instructions to Bidders, necessitated by the circumstances of each individual contract, can be introduced only in this section since Instructions to Bidders will remain unchanged.]

Bidding Data

1.1 Name and address of the Procuring agency:

The Procuring agency is Dow University of Health Sciences,

Name of the Project & Summary of the Works:

“CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES) AT OJHA CAMPUS, DUHS, KARACHI.”
(REF NO: DUHS/W&S-NIT/179)

The work involves execution of misc. construction works, and allied Works in accordance with the Specifications, Bill of Quantities and Instructions of the Client/Consultant with special emphasis on Quantity and Quality control ethics.

IB.2 Source of Funds:

The Procuring agency has arranged funds from University Development Working Party (UDWP) and it is intended that part of the proceeds of this will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

IB.3 Eligible Bidders

As notified in NIT and Bidding Document.

IB.8.1 Time limit for clarification:

The Procuring agency will respond to any request for clarification which he receives earlier than (05) five days prior to the deadline for submission of bids

IB.10 Bid language:

The bid and all correspondence and documents related to the bid exchanged by a bidder and the Procuring agency shall be in the English Language.

IB.11.1(c) Furnish Technical Proposal:

The bidder to submit a technical proposal in sufficient detail to demonstrate the adequacy of the bid in meeting requirements for timely completion of the Works and considering the various appendices to Bid specified into instructions to Bidder.

IB.13.1 Currencies of Bid and Payment

The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. The Procuring agency shall make payment only in Pak Rupees and no foreign currency payments are admissible. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Procuring agency's country shall bear all the costs and risks for arranging the requirements of such currencies through his own resources.

IB.14.1 Period of Bid Validity:

Bids shall remain valid for the **90** Days after the date of bid opening.

IB.15.1 Amount of Bid Security:

Minimum **5%** of Bid Price in the form of Pay Order/ Bank Draft

I.B.32.1 Standard form and amount of Performance Security acceptable to the Procuring agency:

The performance security shall be equal to an amount of **10%** of the contract Price stated in the Letter of Acceptance. Such Security shall be in the Form of unconditional, irrevocable Bank Guarantee from any scheduled Bank of Pakistan acceptable to the Procuring agency in favor of Dow University of Health Sciences. The performance security will be valid for a period (up to the completion of the Project) after the date of issue of Defect Liability Certificate.

32.3 Stamp duty

0.35% will be paid by successful bidder as stamp duty.

Eligibility Criteria (Mandatory Requirement)

Eligibility Criteria: The bidder who meets the following eligibility criteria / mandatory requirements would be declared responsive for further evaluation as per the Evaluation Criteria specified in this bidding document. Verifiable documentary proof for all following requirements is a mandatory requirement, noncompliance of any below requirement will lead to disqualification. The bids disqualified / not responsive to the **MANDATORY ELIGIBILITY EVALUATION CRITERIA** provided shall not be eligible for further evaluation.

S#	Qualification Criteria (MANDATORY REQUIREMENT)
1.	Scanned Copy of Tender Purchase Receipt / Pay Order should be attached with uploaded profile on EPADS.
2.	Valid Registration Certificate up to June 2025 and onwards with Pakistan Engineering Councils in relevant categories and specialized codes as mentioned against each work.
3.	Valid PEC License in Category C-4 & above, along with the fields of specialization codes: CE01, CE09, CE10, CE11 (i), CE11 (vii), CE11 (ix), EE01, EE02, EE03, EE04, EE06, EE07, EE09, EE11 (vi), ME01, ME02, ME04, ME06 & ME07 (v).
4.	The bidder must have at least one similar nature i.e. Building work having minimum cost of 80% of the estimate cost of the work or at least two similar natures i.e. Building works each having minimum cost 50% of the estimated cost done and completed in the public sector departments either government and semi-government during the last Five (05) years providing proper evidences such as work orders, agreements, performance certificates, work completion certificates etc. In case of Joint venture experience certificates require JV Agreement copy (Notary Public Attested) for calculating proportion of shares and marking according to shares of JV.
5.	The bidder must have at least one (01) ongoing project of a similar nature and with a value of at least 80% of the estimated cost of the work in the public sector departments either government and semi-government sector with proper evidences such as work order and agreement.
6.	Bio data of Engineering and Technical staff working with the firm as required and mentioned in bidding documents.
7.	Average Annual turnover at-least not less than equivalent cost of the scheme / project during last three years (turnover will be evaluated from Annual Income Tax Returns and annual Audit Reports from (ICAP) registered audited firm of last five years must be provided.)
8.	Bank Statement must be provided for the last three years for each year separately with Bank's Sign and Seal.
9.	Registration with Income Tax Department (NTN certificate) with active status Federal Board of Revenue.
10.	Valid Registration Certificate of Sindh Revenue Board Government of Sindh (SRB) certificate (with Active Status).
11.	Scanned Copy of the Pay order / Bank Draft of Bid Security should be attached along with uploaded profile on EPADS. (Original bid security should be submitted at DUHS before the deadline of E-Bid opening).
12.	Electric inspector valid license of Karachi Region must be provided.
13.	Undertaking on stamp paper (duly attested by Notary Public / Oath Commissioner) that the firm is not involved in any litigation, Department rift, in the Government Department.
14.	Affidavit (duly attested by Notary Public / Oath Commissioner) that firm has not been blacklisted by any Local, Provincial & Federal Government.
15.	Bidder must have 20% tender bidding amount should be shown in bank's Closing Balance at least three working days before submission date.
16.	Complete set of Bidding Documents including Tender Documents should be submitted and must be stamped and signed by the owner / representative on each page as acceptance of all terms & conditions.

**FORM OF BID
AND
APPENDICES TO BID**

FORM OF BID

Bid Reference No. _____
 (Name of Contract/Works)

To:

Gentleman, _____

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract. Specifications, Drawings and Bill of Quantities and Addenda Nos. _____ for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract. Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.
2. We understand that all the Appendices attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Rupees _____ (Rs. _____) drawn in your favor or made payable to you and valid for a period of _____ days beginning from the date Bids are opened.
4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

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

Dated this _____ day of _____ 2025

Signature: _____

in the capacity of _____ duly authorized to sign Bids for and on behalf of

Bidder in Block Capitals) (Seal) (Name of

Address: _____

Witness:

Signature: _____

Name: _____

Address. _____

Occupation

BIDDING DATA

The following specific data for the works to be procured shall complement, supplement or amend the provisions in the terms & Conditions of bidding documents.
Whenever there is a conflict, the provisions herein shall prevail over those in terms & conditions of the bidding documents.

Terms and Conditions of Contract

1	Name of Procuring Agency:	Dow University of Health Sciences
2	Brief Description of Works:	“Construction of Dow Appna (Center of Emerging Technologies) at Ojha Campus, DUHS, Karachi.” (REF NO: DUHS/W&S-NIT/179)
3	Amount of Bid Security	5% of the Total bid Price in shape of Deposit at Call or Pay Order demand Draft or a bank Guarantee in favor of Dow University of Health Sciences, Karachi Issued by a Scheduled bank in Pakistan
4	Amount of Performance Security	10% of the Contract price in shape of Deposit at Call or Pay Order demand Draft or a bank Guarantee in favor of Dow University of Health Sciences, Karachi Issued by a Scheduled bank in Pakistan
5	Period of Bid Validity (Days)	90 Days
6	Deadline for bid submission:	As Per NIT (Online through EPADs at https://eprocure.gov.pk/)
7	Date & Time of Bid opening:	As Per NIT (Online through EPADs at https://eprocure.gov.pk/)
8	Alternate / Conditional Bid:	Not Allowed
9	Joint Venture / Consortium Bid:	Not Allowed
10	Currency of Bid:	Pakistani Rupees.
11	Time for furnishing Program	Within 14 Days from the date of receipt of Letter of Acceptance.
12	Time for Commencement	Within 07 days from the date of receipt of Engineer’s Notice to Commence.
13	Time for Completion of Works	03 (Three) months from the date of receipt of Engineer’s Notice to Commence.
14	Amount of Liquidity Damages/Delay Damages /Penalties	One tenth of one percent (0.10%) for each day of delay in completion of the Works subject to a maximum of 10% of Contract Price and after that termination of contract after 07 days’ Notice.
15	Defects Liability Period	180 days from the effective date of Taking Over Completion Certificate.

BILL OF QUANTITIES

A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract.
3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labor, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract. Furthermore, all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to deadline for submission of Bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works.
6. General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the priced Bill of Quantities.
7. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clause 58.2 of Part I, General Conditions of Contract.

BILL OF QUANTITIES

B. Work Items

1. The Bill of Quantities contains the following Bills and Schedule:
(by way of example)

Bill No. 1	-
Bill No. 2	-
Bill No. 3	-
Bill No. 4	-
Bill No. 5	-
Day work Schedule	
Summary Bill of Quantities	

2. Bidders shall price the Bill of Quantities in Pakistani Rupees only.

BILL OF QUANTITIES

Bill No.1 _____

	Description	Unit	Quantity	Rate		Amount
				Rupees in figures	Rupees in Word	
1	2	3	4	5		6
101						
102						
103						
104						
105						
106						
Total for Bill No.1 (Carried Forward to Summary Page) _____.						

BILL OF QUANTITIES

C. Day work

Schedule General

1. Reference is made to Sub-Clause 52.4 of the General Conditions of Contract Part-I. Work shall not be executed on a day work basis except by written order of the Engineer. Bidders shall enter basic rates for Day work items in the Schedules, which rates shall apply to any quantity of Day work ordered by the Engineer. Nominal quantities have been indicated against each item of Day work, and the extended total for Day work shall be carried forward to the Bid Price.

Day work Labor

2. In calculating payments due to the Contractor for the execution of Day work, the actual time of classes of labor directly doing the Day work ordered by the Engineer and for which they are competent to perform will be measured excluding meal breaks and rest periods. The time of gingers (charge hands) actually doing work with the gang will also be measured but not the time of foreman or other supervisory personnel.
3. The Contractor shall be entitled to payment in respect of the total time that labor is employed on Day work, calculated at the basic rates entered by him in the Schedule of Day work Rates for labor together with an additional percentage, payment on basic rates representing the Contractor's profit, overheads, etc., as described below:
 - a) the basic rates for labor shall cover all direct costs to the Contractor, including (but not limited to) the amount of wages paid to such labor, transportation time, overtime, subsistence allowances and any sums paid to or on behalf of such labor for social benefits in accordance with Pakistan law. The basic rates will be payable in local currency only; and
 - b) the additional percentage payment to be quoted by the Bidder and applied to costs incurred under (a) above shall be deemed to cover the Contractor's profit, overheads, superintendence, liabilities and insurances and allowances to labor timekeeping and clerical and office work; the use of consumable stores, water, lighting and power; the use and repair of staging, scaffolding, workshops and stores, portable power tools, manual plant and tools; supervision by the Contractor's staff, foremen and other supervisory personnel; and charges incidental to the foregoing.

Day work Material

4. The Contractor shall be entitled to payment in respect of materials used for Day work (except for materials for which the cost is included in the percentage addition to labor costs as detailed heretofore), at the basic rates entered by him in the Schedule of Day work Rates for materials together with an additional percentage payment on the basic rates to cover overhead charges and profit, as follows:
 - a) The basic rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc., and shall provide for delivery to store for stockpiling at the site. The basic rates shall be stated in local currency but payment will be made in the currency or currencies expended upon presentation of supporting documentation;
 - b) the additional percentage payment shall be quoted by the Bidder and applied to the equivalent local currency payments made under Sub-Para(a) above; and
 - c) the cost of hauling materials used on work ordered to be carried out as Day work from the store or stockpile on the site to the place where it is to be used will be paid in accordance with the terms for Labor and Constructional Plant in this Schedule.

(INTEGRITY PACT)
DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY CONTRACTORS.

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: _____

_____(Name of Contractor) hereby declares that it has not obtained or induce 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 any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing (Name of contractor) 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 judicial 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 including the procurement of a contract, right, interest privilege or other obligation or benefits in whatsoever from, procuring agency (PA) except that has been expressly declared pursuant hereto.

(Name of Contractor) accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty. (Name of Contractor) accepts full responsibilities and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of 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 rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

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

(PROCURING AGENCY)

(CONTRACTOR)

FORMS

**BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT**

BID SECURITY
(Bank Guarantee)

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

Penal Sum of Security Rupees. _____ (Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____

(hereinafter called the 'Procuring agency') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for _____ (Particulars of Bid) to the said Procuring agency; and

WHEREAS, the Procuring agency has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring agency, conditioned as under:

- (1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Procuring agency, notice of which extension(s) to the Surety is hereby waived;
- (2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring agency after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Procuring agency pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring agency in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Surety shall forthwith pay the Procuring agency the said sum upon first written demand of the Procuring agency (without cavil or argument) and without requiring the Procuring agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring agency by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Procuring agency shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Procuring agency forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY (Bank)

WITNESS:

Signature _____

1. _____

Name _____

Title _____

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. _____

Name, Title & Address

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____
 Executed on _____
 Expiry date _____

[Letter by the Guarantor to the Procuring agency]

Name of Guarantor (Bank) with address: _____
 (Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address: _____

Penal Sum of Security (express in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Procuring agency) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Procuring agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Procuring agency's above said Letter of Acceptance for _____
 _____ (Name of Contract) for the _____
 _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring agency without delay upon the Procuring agency's first written demand without cavil or arguments and without requiring the Procuring agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Procuring agency's designated Bank & Account Number.

PROVIDED ALSO THAT the Procuring agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Witness:

1. _____

Guarantor (Bank)

Signature _____

Corporate Secretary (Seal)

Name _____

Title _____

2. _____

Name, Title & Address

Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the “Agreement”) made on the _____ day of _____(month) 2025 between

(hereafter called the “Procuring agency”) of the one part
and _____(hereafter called the “Contractor”) of the other
part.

WHEREAS the Procuring agency is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnessed 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 hereinafter referred to.
2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Contract Agreement;
 - (b) The Letter of Acceptance;
 - (c) The completed Form of Bid;
 - (d) Special Stipulations (Appendix-A to Bid);
 - (e) The Particular Conditions of Contract – Part II;
 - (f) The General Conditions – Part I;
 - (g) The priced Bill of Quantities (Appendix-B to Bid);
 - (h) The completed Appendices to Bid
 - (i) The Drawings;
 - (j) The Specifications.
 - (k) _____(any other)
3. In consideration of the payments to be made by the Procuring agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring agency to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.
4. The Procuring agency hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, 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 on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

(Seal)

Signature of Procuring agency

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)

BILL OF QUANTITIES

COST OF GRAND SUMMARY

**CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI”**

S. No	DESCRIPTION	Amount
A.	CIVIL WORKS (SCHEDULE RATE)	
B.	PLUMBING WORKS (SCHEDULE RATE)	
C.	CIVIL WORKS (NON-SCHEDULE RATE)	
D.	PLUMBING WORKS (NON-SCHEDULE RATE)	
E.	ELECTRICAL WORKS (NON-SCHEDULE RATE)	
F.	HVAC WORKS (NON-SCHEDULE)	
	ADD 5% SRB.	
	TOTAL AMOUNT RS.	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	CIVIL / FINISHING SCHEDULE WORKS				
1	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering)/ Ratio 1:3:6 (cast in situ) CSR-2024, Vol-III, Part-I, Ch-04, It # 5(h), Pg-25	P/Cft	388.67	2165.00	841,470.55
2	Providing and laying 1 : 3 : 6 cement concrete solid block masonry wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & currying etc, complete. CSR-2024, Vol-III, Part-I, Ch-04, It # 24, Pg-27	P/Cft	514.82	1030.00	530,264.60
3	Add extra Labour for Block Masonry. (4th Floor) CSR-2024, Vol-III, Part-I, Ch-04, It # 32, Pg-28	P/Cft	47.53	1030.00	48,955.90
4	Applying floating coat of Cement 1/32" thick. CSR-2024, Vol-III, Part-I, Ch-09, It # 14(ii), Pg-52	P/Cft	22.63	4750.00	107,492.50
5	Cement plaster 1:4 upto 12' height. CSR-2024, Vol-III, Part-I, Ch-9, It # 11(c), Pg-52	P/Sft	53.82	4750.00	255,645.00
6	Extra labour rate for making cement plaster pattas/band around straight or carved openings and around the edges of roof slabs, the width not less than 6" with fine finishing as directed by Engineer Incharge CSR-2024, Vol-III, Part-I, Ch-09, It # 35, Pg-54	P/Rft	57.43	850.00	48,815.50
7	Preparing the surface and painting with matt finish I/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the voids with zink /chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc: complete. (new surface) CSR-2024, Vol-III, Part-I, Ch-09, It # 36 (a), Pg-54 (Internal Paint)	P/Sft	49.27	25000.00	1,231,750.00
8	2nd & subsequent coat CSR-2024, Vol-III, Part-I, Ch-09, It # 36 (b), Pg-54 (Internal Paint)	P/Sft	25.78	50000.00	1,289,000.00
9	Supplying & fixing in position Aluminum channels framing for sliding windows & ventilators of made with 5mm thick tinted glass glazing (Belgium) & Aluminum fly screen I/chandles stoppers & locking arrangement etc.complete. CSR-2024, Vol-III, Part-I, Ch-18, It # 84, Pg-83	P/Sft	2386.73	950.00	2,267,393.50

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
10	Providing & Laying Full Body Porcelain Tile in Flooring or Facing of Approved Design Set in Gry Cement Motor 1:2 or of 3/4" Thickinss I/C Washing & Joints With White Cement Slurry Using Colour Pigment for matching complete as per Spacification. CSR-2024, Vol-III, Part-I, Ch-8, It # 28(ix), Pg-46	P/Sft	439.57	13600.00	5,978,152.00
11	Laying floors of approved coloured glazed tiles 1/4" thick floor of approved color & size jointing in white cement and laid over 1:2 cement sand mortor 3/4" thick including grouting with matching color and finishing CSR-2024, Vol-III, Part-I, Ch-8, It # 25, Pg-46	P/Sft	325.40	595.00	193,613.00
12	Laying floor of approved with glazed tiles 1/4" thick dado of approved color & size jointing in white cement and laid over 1:2 cement sand mortor 3/4" thick including grouting with matching color and finishing. CSR-2024, Vol-III, Part-I, Ch-8, It # 24, Pg-45	P/Sft	389.36	1712.00	666,584.32
13	Supplying & fixing window blinds (Horizontal / vertical) with plain design and of approved colour i/c fixing in windows with necessary accessories. CSR-2024, Vol-III, Part-I, Ch-10, It # 70, Pg-61	P/Sft	461.14	1750.00	806,995.00
	TOTAL FOR CIVIL / FINISHING SCHEDULE WORKS				14,266,131.87
	ADD PREMIUM ON SCHEDULE ITEMS @ () ABOVE/BELOW				
	TOTAL AMOUNT FOR CIVIL / FINISHING SCHEDULE WORKS				

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	PLUMBING WORKS (SCHEDULE ITEM)				
1	Providing and fixing European type white glazed earthen ware wash down W.C. pan complete with & including the cost of white / black plastic seat (Best quality) and lid with C.P. brass hinges best quality and buffers 3 gallons white glazed earthen ware low level flushing cistem with siphon fitting 1½ " dia white porcelain enameled flush bend dia and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4 (Foreign quality). (ICL or equivalent). CSR-2024, Vol-III, Part-III, Ch-01, It # 04, Pg-186	Each	44244.72	6.00	265,468.32
2	Providing and fixing Orusa type white glazed earthen ware W.C. pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4. CSR-2024, Vol-III, Part-III, Ch-01, It # 3(b), Pg-186	Each	11282.90	2.00	22,565.80
	TOTAL FOR PLUMBING SCHEDULE WORKS				288,034.12
	ADD PREMIUM ON SCHEDULE ITEMS @ () ABOVE/BELOW				
	TOTAL AMOUNT FOR PLUMBING SCHEDULE WORKS				

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	CIVIL / FINISHING NON-SCHEDULE WORKS				
1	Dismantling work Removing of following existing construction elements including tools & equipment's, all necessary precautionary measures, stacking useable at designated, existing slab cement chipping, AC / Electrical or any other item which is required to be removed place for Owner's properly, carting away surplus, stuff, etc. from site complete in all respect. (i) Existing Block Masonry, (ii) Removing of existing Metal Door & Windows	Job		1.00	
2	Termite Proofing Providing and spraying pesticide solution of approved manufacturer inside building line in 3 - stages i.e. in trenches, on floor base & all wood work etc., using "FMC or equivalent of Jaffer Brothers water mixed solution @ 5 Litre/Sqm., as approved (for billing purpose plinth area will be calculated)	/Sft		18,255.00	
3	Wooden partition Providing, making & fixing wooden partitions of required thickness having 12mm thick MDF both side with 2" x 3" rough wooden frame fix upto required ht in between well treated with solignum paint, complete with 1/4" thick grooves wherever shown on elevation/drawing also providing approved quality hardware, including wastage, nails, glues, lifting, etc. complete in all respect. 4" thick	/Sft		12,300.00	
3 (a)	Same as Item No.3 with addition of MDF Fluted panel in same MDF of corridor side as per the approved design and drawings.	/Sft		447.00	
4	Plain glass partition Providing and installation 12mm thick polished glass with 4.5"x2" solid oak wood frame in polish finish as approved as per design/ drawing with sand blasting film surface as per approved design, complete in all respects.	/Sft		870.00	
5	Textured Paint Providing & applying handmade heavy textured paint of ICI or Burger or approved equivalent of approved shade from ICI or burger color bank on internal surface, i.e walls, columns, beams etc. including preparation of base etc. complete at any height as per drawing	/Sft		3,001.00	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
6	Lamination cladding Supply and installation of lamination cladding with approved lamination sheet of 3/4" thick with 1/4" thick grooves at joint or where ever needed as per design. including all necessary materials, surface preparation, adhesives, and finishing works complete in all respect. as per detail / drawing and specifications.	/Sft		1,206.00	
7	Soft board with fabric cladding Providing, making and fixing of fabric cladding on soft board on MDF board made partitions approved fabric color/ texture, as shown in drawing including wastage, lifting, etc., complete in all respect.	/Sft		506.00	
8	PVC made Fluted Panels Supply and installation of PVC made Fluted Panels in approved color/ texture including all necessary materials, surface preparation and finishing works as per the drawing/design.	/Sft		205.00	
9	Wall tile 4' x 8' Providing & install Wall tile of 4'x8' at feature walls of different areas of approved sample as per drawing/ design including wastage, lifting, etc., complete in all respect.	/Sft		165.00	
10	Flush doors Providing, making and fixing door comprising of Oak wood frame 6" x 2" thick, with approved polish finish, fixed with required Nos. of hold fast minimum 3" wide x 1/4" thick (not less then 3" in length) properly fixed with frames, having 1 1/4" thick commercial ply solid core door shutter with Oak wood lipping 1 1/2" x 1/2" thick on shutter edges and oak ply veneering both side, including making U groove 3/16" thick shown on drawing, & 6mm plain glass with sand blasting as approved also fixing approved hardwares, hinges, tower bolts, locks, door closer etc. including applying clear lacquer polish finish complete as per details/ drawing and as directed by the Consultants.				
a.	Door Type ED - Size 6'-0" x 8'-0" (double leaf)	/No.		2.00	
b.	Door Type ED1 - Size 6'-0" x 8'-0" (double leaf)	/No.		2.00	
c.	Door Type D1 - Size 5'-0" x 8'-0" (double leaf)	/No.		8.00	
d.	Door Type D2 - Size 3'-6" x 8'-0" (Single leaf)	/No.		8.00	
e.	Door Type D3 - Size 3'-0" x 8'-0" (Single leaf)	/No.		19.00	
11	Flush door - Bathroom cubical Providing and fixing door with aluminum frame on both sides properly fixed in block wall, having commercial ply solid core door shutter with solid wood lapping 1 1/4" x 1/2" thick on shutter edges and 1/8" thick formica both side, with approved quality hardware's, hinges, tower bolts, locks, door closer etc. complete as per details/ drawing and as directed by the Consultants. (Door Size - D4 2'-6" x 7'-0")	/No.		8.00	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
12	Wooden laminated flooring Providing , laying & fixing in line and level wooden laminated floor (heavy commercial) / of approved make i/c rubber underlay, wood edge detail as per drawing etc, complete in all respect as per drawing, standard , specifications and direction of the Engineer Basic price shall be Rs. 400.00 per sqft	/Sft		2,605.00	
13	Wooden skirting Providing and fixing wooden skirting 1/2" thick of heavy commercial / Pak Carpet /other equivalent with nails / screws / glue / cutting, fitting and finishing etc, complete in all respect as per drawing, standard , specifications and direction of the Engineer	Rft		746.00	
14	Carpet tile flooring Providing, laying and fixing on floor of machine made imported carpet tile of approved make with color and design etc, complete in all respect as per drawing, standard , specifications and direction of the Engineer (Basic price shall be Rs. 425.00 per sqft)	/Sft		4,442.00	
15	Granite vanity top Providing and laying 3/4" thick good quality (pre-polished) granite vanity top having 3/4" half round bull nosing to be laid over 3/4" thick cement sand base (1:4) over concrete pre-cast slab, including the cost of granite cutting as per vanity size and shape, complete as per drawing and as directed by the Consultants. (Basic price shall be Rs. 1400 per sqft)	/Sft		270.00	
16	Floor strip Provide and install in position S.S floor strip between hard flooring and carpet consisting of 3/4" wide, 1/8" thick SS. strip screwed with S.S. screws @ 12" c/c or required including rounded edges, etc. complete in all respect.	Rft		100.00	
17	Gypsum board ceiling Providing and fixing reflected ceiling 1/2" thick from (Elephant/DFB/Arish brand) Gypsum board sheet as per sample approved size 4'-0" x 8'-0" of equivalent in mm) false ceiling as shown on the drawing including aluminum metal framing suspension system, with groves, attachment devices, hangers, edge moldings, trim clips and trimming any extra hangers as required, including making provision for light fixtures, A/C diffusers, smoke detectors, complete in all respect as per drawing, standard , specifications and direction of the Engineer.	/Sft		6,911.00	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
18	Gypsum tile ceiling Providing and fixing suspended ceiling 10mm thick with aluminum foil from (Elephant/DFB/Arish brand) Gypsum board tile sheet as per sample approved size 2' x 2' of equivalent in mm) moisture resistant false ceiling as shown on the drawing including aluminium metal framing suspension system with groove, attachment devices, hangers, edge moldings, trim clips and trimming any extra hangers as required, including making provision for light fixtures, A/C diffusers, smoke detectors with providing & applying three coat of matt enamel paint of approved make & color shade including one coat of primer coat, filling putty etc, complete in all respect as per drawing, standard , specifications and direction of the Engineer.	/Sft		11,004.00	
19	Anti-shutter film Providing and pasting anti shutter film on internal glazing of approved make, with specified microns, as approved complete in all respect. Internal Glazing - 175 microns	/Sft		1,700.00	
20	Main sinage on reception/back wall Providing, making and fixing of Architectural Signage on Reception back wall fabricated in Acrylic coated in approved corporate color. Complete in all respects as per approved Image.	Job		1.00	
21	Main logo on reception/back wall Providing, making and fixing of 3d Logo on Reception back wall fabricated in Acrylic coated in approved corporate color. Complete in all respects as per approved Image.	/No		2.00	
22	Signage on corridor wall Providing, making and fixing of architectural signage in imported vinyle in approved corporate colors, complete in all respects as per approved image.	Job		1.00	
	TOTAL FOR CIVIL / FINISHING NON-SCHEDULE WORKS				

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	PLUMBING NON-SCHEDULE WORKS				
1	Providing and Fixing above/under counter type lavatory approved make with all accessories such as pillar cock, tee stop cock with check nuts, CP flexible pipe, waste coupling bracket set, etc. CP bottle trap, and silicon sealant, all joints to service and drain, plugging and screwing as necessary to the structure, complete in all respect.	Nos.		8	
2	Toilet Accessories Providing and Fixing Bath accessories including fixing with Rawal plug and screw of approved quality complete in all respect.				
i)	Towel Rail	Nos.		4	
ii)	Cloth Hook	Nos.		3	
iii)	Toilet Paper Holder	Nos.		8	
iv)	Double Bib Cock with Muslim Shower	Nos.		8	
v)	Soap Dispenser 1/2 litre.	Nos.		4	
vi)	Bib Cock Long Neck	Nos.		2	
(vii)	Electric Hand Dryer	Nos.		2	
3	Providing and Fixing, jointing & testing of POLYPROPYLENE (PPR-C) pipes PN-20 manufactured on standards BS 5174 or DIN 8028, Approved make with all special fittings such as hanging system, sockets, tees, elbow, bends, reducers, plugs and union etc. supported on walls or buried in walls/floor or suspended from roof slab as per specifications including colour coding complete in all respects. System shall be tested with water up to 24 hours at 100 psi.				
i)	25mm dia	Rft.		70	
ii)	32mm dia	Rft.		80	
iii)	40mm dia (Riser)	Rft.		100	
iv)	50mm dia.	Rft.		30	
v)	65mm dia	Rft.		30	
4	Providing and Fixing of full way gate valves of brass trim upto 3" (75mm) dia. With threaded ends and cast iron body bronze trim flanged ends for 4" dia. (100mm) and above KITZ make (Japan) or equivalent or similar for 125 psi together with all additional material required for a complete installation or approved by the Engineer.				
i)	1-1/4" dia.	No.		3	
ii)	2" dia.	Nos.		2	
5	Providing and Fixing of full way gate valves of brass for Y-Strainer Valve trim upto 3" (75mm) dia. With threaded ends and cast iron body bronze trim flanged ends for 4" dia. (100mm) and above KITZ make (Japan) or equivalent or similar for 125 psi together with all additional material required for a complete installation or approved by the Engineer. (i) 2½" Dia	Nos.		2	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
6	Providing and Fixing in position uPVC pipes push fit type for soil, waste water & vent as Type 'B' as per BSS 5254 + BSS 4514 embedded in floor and wall or suspended from slab or clamped to wall including plugs, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) Making requisite number of holes in walls and floors and filling holes around the pipe with non-shrink grouting Material with bakker rod of approved make where required and making good the same as necessary to the structure labeling testing to 9'-0" water head complete in all respect.				
i)	2" dia.	Rft.		60	
ii)	3" dia.	Rft.		237	
iii)	4" dia.	Rft.		311	
7	Providing and fixing uPVC cowl for vent pipe of approved make of the following dia. including all accessories complete in all respect.				
i)	3" dia.	Nos.		2	
ii)	4" dia.	Nos.		2	
8	Providing and Fixing approved make floor drain / multi floor trap / p-trap approved design as necessary with S.S. grating including requisite number of holes in wall plinth or floor for pipe connection and making good the same as necessary with non-shrink grout to the structure gasket, clamp, etc. complete in all respect. 6"x 6" x 4" dia.	Nos.		12	
9	Providing and Fixing S.S cleanout approved make (floor / ceiling type) with upvc threading type. cover making requisite number of holes in walls, plinth or floor for pipe connection and making good the same as necessary to the structure with non-shrink grout rubber gasket and clamp complete in all respect.				
i)	3" dia (Floor Type).	Nos.		2	
ii)	4" dia (Floor Type).	Nos.		1	
10	Providing and Laying and jointing uPVC sewer pipe Class 'D' including excavation backfilling, compaction bedding, confirming to BSS 3505 in Trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing complete as per drawing and specification complete in all respect. 6" dia	Rft		60	
11	Providing and Making (6" thick block masonry with 1/2" thick puddlo plaster external & internal) square manhole complete in all respect including excavation, backfilling, compaction 6" thick M. I. Rungs, block masonry with 1/2" thick puddlo plaster benching, heavy duty manhole cover of Alpine make 18" x 18" complete as per drawing and specification including testing and cost of reinforcement complete in all respect. (Size: 24" x 24")	Nos.		4	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
12	Providing and Fixing 4" dia. uPVC P-Trap make with 9" x 9" C.I. Frame and cover including gully trap chambers 4" thick block masonry with ½" thick pudllo plaster as per drawing and specification complete in all respect.	Nos.		2	
13	Making arrangement permanent sewer connection to exist sanitary sewer complete with cutting of road pavement obtaining all necessary permission from concerned authorities including excavation backfilling compaction, complete in all respect as necessary for making connection (on behalf of owner)	Job		1	
14	Shop Drawing	Job		1	
15	As Built Drawing	Job		1	
	TOTAL FOR PLUMBING NON-SCHEDULE WORKS				

List of Approved Manufacturers

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES) AT OJHA CAMPUS, DUHS, KARACHI

S.No	Description	Make / Brand or Equivalent
1.	Western Type W.C (S-Trap Type)	Porta Make or Equivalent
2.	Eastern Type W.C. (Orrisa Type)	Porta Make or Equivalent
3.	Lavatory Wall Hung Type	Porta Make or Equivalent
4.	Lavatory Counter Type	Porta Make or Equivalent
5.	Kitchen Bowl	Asia Make or Equivalent
6.	Toilet Paper Holder	Master Make or Equivalent
7.	Pillar Cock	Master Make or Equivalent
8.	Double Bibcock with Toilet Shower	Master Make or Equivalent
9.	Bibcock / Long Neck Bib Cock	Master Make or Equivalent
10.	T-Stop Cock	Master Make or Equivalent
11.	Towel Rail Hook	Master Make or Equivalent
12.	Bottle Trap	Master Make or Equivalent
13.	Water Pumps	Lowara Make or Equivalent
14.	Polypropylene Pipes & Fittings PN-20	Polydex - Dadex Make or Equivalent
15.	uPVC Pipes & Fittings 'B' Type (for internal}	Nikasi - Dadex Make or Equivalent
16.	uPVC Pipe & Fittings 'D' Type (for external main sewerage)	Dadex Make or Equivalent
17.	GI Pipe Medium Weight	IIL Make or Equivalent
18.	GI Pipe Fittings	Imported China H.E, Brand or Equivalent
19.	Valves and Strainers	KITZ (Japan) or Equivalent
20.	Clean-out Stainless Steel	Alpine Make or Equivalent
21.	Floor Drain Stainless Steel	Alpine Make or Equivalent
22.	Manhole Frame & Cover (CI)	Alpine Make or Equivalent
23.	Gully Trap Chamber	uPVC or Equivalent
24.	Anchor / Fasteners	Fischer / Mango Make or Equivalent
25.	Teflon Tape	Imported
26.	S.S Pipe Sch.40	Imported

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AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	ELECTRICAL NON-SCHEDULE WORKS				
1	PANELS & DISTRIBUTION BOARDS				
	<u>MAIN & SUB MAIN DISTRIBUTION BOARDS</u>				
a)	Supply, installation, testing and commissioning of following floor mounted Main / Sub Main Distribution Boards (MDB/SMDB) (Form-2), with incoming and outgoing circuit breakers and other components as per SLD with cable terminations, made with 16 SWG sheet steel metal housing powder coated with approved color (as per specifications), dust protected, vermin proof housing having all the necessary switching & protections, energy analyzer etc. including Pull Boxes and all mounting accessories etc., as per specifications and drawings, complete in all respect.				
i	MDB	No.		1	
	<u>DISTRIBUTION BOARDS (DB)</u>				
b)	Supply, installation, testing and commissioning of following Wall/Flush/floor mounted Distribution Boards (DB), with incoming and outgoing circuit breakers and other components as per SLD with cable terminations, made with 16 SWG sheet steel metal housing powder coated with approved color (as per specifications), dust protected, vermin proof housing having all the necessary switching & protections, energy analyzer etc. including Pull Boxes and all mounting accessories etc., as per specifications and drawings, complete in all respect.				
i	LPDB-4F	No.		1	
ii	DB-HVAC-4F	No.		1	
Iii	UDB	No.		1	
2	LOW VOLTAGE CABLES & WIRES				
	Supply, laying, termination, tagging, testing and commissioning of following size copper conductor multi core / single core, Cu/PVC, Cu/PVC/PVC, unarmored, 600/1000V, 450/750V or 300/500V voltage grade copper cable in already laid PVC conduit / cable tray / trench including all accessories lugs, cable gland etc. as per drawings and specification, complete in all respect. Note: Contractor is advised to confirm the cable running length before commencement of work and termination as per site requirements. Make: Pakistan Cable or Equivalent				
a)	<u>4 Core, Cu/PVC/PVC Cable (600/1000V)</u>				
i	4 Core, 50 Sq.mm Cu/PVC/PVC Cable	Rm.		50	
ii	4 Core, 16 Sq.mm Cu/PVC/PVC Cable	Rm.		20	
iii	3 Core, 10 Sq.mm Cu/PVC/PVC Cable	Rm.		30	
b)	<u>1 Core, Cu/PVC Cable as ECC (600/1000V)</u>				
i	1 Core, 25 Sq.mm Cu/PVC Cable ECC	Rm.		50	
ii	1 Core, 16 Sq.mm Cu/PVC Cable ECC	Rm.		20	

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BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
3	CABLE CONTAINMENT				
a)	Supply and laying of following size PVC / uPVC Class-D / Flexible PVC Conduits including all accessories, as per drawings and specification etc., complete in all respect. Make: Galco or Equivalent				
i	25 mm dia PVC Conduit	Rm.		50	
ii	32 mm dia PVC Conduit	Rm.		30	
iii	38 mm dia PVC Conduit	Rm.		90	
iv	50 mm dia PVC Conduit	Rm.		50	
v	25 mm dia Flexible PVC Conduit	Rm.		100	
b)	Supply and installation of following Floor Pull Boxes with all installation accessories, as per specifications, drawings and approved brands, complete in all respect.				
i	300 mm x 62 mm	No.		10	
c)	Supply and installation of following Ceiling Pull Boxes with all installation accessories, as per specifications, drawings and approved brands, complete in all respect.				
i	300 mm x 62 mm	No.		10	
d)	Supply, fabricating, erecting, fixing and installing of following size of base perforated Cable Tray, fabricated with 14 SWG MS Sheet steel Hot dip Galvanized including all installation accessories (Hot Dip Galvanized) (ensure 80um microns) such as appropriate sizes and lengths of MS Rod / Angle Iron Supports and Rawl Bolts, including cutting, welding, jointing and necessary required hardware etc. Complete in all respect as shown in drawings and specification or as directed by the Engineer.				
i	300 mm x 75 mm (1'-0" x 0'-3")	Rm.		350	
e)	Supply, fabricating, erecting, fixing and installing of following size of trench, fabricated with 14 SWG aluminum Sheet including all installation accessories such as appropriate sizes and lengths including cutting, jointing and necessary required hardware etc. Complete in all respect as shown in drawings and specification or as directed by the Engineer.				
I	100 mm x 75 mm (0'-4" x 0'-3")	Rm.		100	
4	WIRING ACCESSORIES				
a)	Supply, installation, testing and commissioning of following 10/13/15/20A, gang type switches, Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, including with all required installation accessories, surface / recessed in wall / column etc., as per specifications and drawings, complete in all respect. Make: Clipsal or Equivalent				
i	One Gang Switch 10A	No.		5	
ii	Two Gang Switch 10A	No.		16	
iii	Three Gang Switch 10A	No.		3	
iv	Four Gang Switch 10A	No.		40	

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BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
v	13A, Universal / International Switch Socket Outlet with USB Port	No.		250	
vi	13A, Flat Pin Duplex Switch Socket Outlet	No.		5	
vii	15A, 3-Pin Switch Socket Outlet	No.		2	
viii	16A, 2-Pole Isolator Switch for FCU	No.		25	
ix	63A, 5-Pin Industrial socket including Plug top	No.		2	
x	HDMI Outlet	No.		5	
b)	Supply, installation, testing and commissioning of Floor Box (imported), 14 SWG Sheet Steel with all accessories, as per drawings, specifications and site requirements, complete in all respect. Note: Excluded of all Sockets and Face plates.				
i	Floor Outlet Box (300mm x 300mm x 69mm):	No.		6	
c)	Supply & installation of Linear Outlet Boxes without face plates made of 14 SWG MS Sheet, Surface type as per design drawings.				
i	Linear Outlet Box (350mm x 125mm x 75mm):	No.		91	
5	LIGHT FIXTURES				
a)	Supply, installing, testing and commissioning of following Light Fixtures complete with starters, Electronic ballast (mention otherwise), lamps, drivers, mounting accessories etc., complete in all respects. Lighting fixtures Sample must be submitted to consultant for approval, (For complete detail references of Light Fixtures, please refer to Light Fixture Schedules). Make: Philips / Osaka or Equivalent				
i	Recessed in Ceiling 600mm x 600mm 40W LED Panel Light Fixture, 6000K, IP-20	No.		229	
ii	Recessed in Ceiling 12W LED DownLight Fixture, 6000K, IP-20	No.		15	
iii	Recessed in Ceiling 18/20W LED DownLight Fixture, 6000K, IP-20	No.		38	
iv	Recessed in Ceiling 10W LED Spot Light Fixture, 4000K, IP-20	No.		257	
v	Passive Infrared (PIR) sensor for motion detection with detection range of upto 12m and 90-120 degree wide angle, adjustable time and sensitivity	No.		5	
vi	8W, Exit light with self-contained Battery (3 Hours Battery backup), 24m viewing, Directional Pendant, IP-20 rated UL 924 Listed (Maintained Type)	No.		4	
vii	8W, Emergency light with self-contained Battery (3 Hours Battery backup), Surface mounted IP-65 rated, UL 924 Listed, Poly Carbonate housing (Non-Maintained Type)	No.		10	

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BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
6	WIRING FOR LIGHTS & SOCKETS				
a)	Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 3x2.5 sq.mm single core copper conductor PVC insulated wires in 25mm dia PVC conduit surface / recessed in wall, column, ceiling etc., including with all conduit accessories, back boxes etc., as per drawing and specification, complete in all respect. Make: Clipsal or Equivalent	No.		27	
b)	Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm single core copper conductor PVC insulated wires in 20mm dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, back boxes etc. as per drawing and specification, complete in all respect. Make: Pakistan Cable or Equivalent	No.		206	
c)	Supply, laying, tagging, termination, testing and commissioning of Point wiring from Light point to Light point with 3x1.5 sq.mm single core copper conductor PVC insulated wires in 20mm dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, back boxes etc. as per drawing and specification, complete in all respect. Make: Pakistan Cable or Equivalent	No.		340	
d)	Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Emergency / Exit light point with 3x2.5 sq.mm single core copper conductor PVC insulated wires in 25mm dia PVC conduit surface / recessed in wall, column, ceiling etc., including with all conduit accessories, back boxes etc., as per drawing and specification, complete in all respect. Make: Pakistan Cable or Equivalent	No.		2	
e)	Supply, laying, tagging, termination, testing and commissioning of wiring from Emergency / Exit Light point to Emergency / Exit Light Point with 3x2.5 sq.mm single core copper conductor PVC insulated wires in 25mm dia PVC conduit surface / recessed in wall, column, ceiling etc., including with all conduit accessories, back boxes etc., as per drawing and specification, complete in all respect. Make: Pakistan Cable or Equivalent	No.		16	
f)	Supply, laying, tagging, termination, testing and commissioning of wiring for 13/15A Socket / Spur outlet with 3x4 sq.mm single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc, including with all conduit accessories, back boxes etc. as per drawing & specification, complete in all respect. Make: Pakistan Cable or Equivalent				
i	DB to Socket outlet	No.		50	
ii	Socket outlet to Socket outlet	No.		200	

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AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
7	UPS SYSTEM				
	Supply, installation, testing and commissioning of following True Online Double Conversion UPS complete with on load testing, lifting, placement and all installation accessories, as per specifications and drawings, complete in all respect. Make: Imported / Online Rackmount with SNMP configuration or Equivalent				
a)	Supply, installation, testing and commissioning of True Online Double Conversion UPS rating 15 kVA, 400V input voltage, 3 Phase in, 3 Phase out, input power factor ≥ 0.99 at full load and rated voltage, with 10 minutes battery backup, including Dry Sealed Maintenance Free batteries, related DC cables from UPS to batteries, external By-pass, SNMP Management Card, on load testing, lifting, placement and all accessories, as per specifications and drawings, complete in all respect.	No.		2	
b)	Supply, installation, testing and commissioning of True Online Double Conversion UPS rating 8 kVA, 230V input voltage, 1 Phase in, 1 Phase out, input power factor ≥ 0.99 at full load and rated voltage, with 10 minutes battery backup, including Dry Sealed Maintenance Free batteries, related DC cables from UPS to batteries, external By-pass, SNMP Management Card, on load testing, lifting, placement and all accessories, as per specifications and drawings, complete in all respect.	No.		1	
8	PUBLIC ADDRESS SYSTEM				
	Supply, Installation, testing and commissioning of the following items for Public Address System as described below including all accessories. Complete with mounting brackets, wiring, adapters etc.				
a)	200W Power Amplifier operating at 220V, AC suitable for rack mounting incorporates two audio line level inputs: a Music input and a priority call input. A built-in relay switches the amplifier from the music input of priority call input.	No.		1	
b)	24W Ceiling Speakers intended for high quality speech with sealed enclosure protective against moisture and dust. The speaker shall have output power adjustments for full, half and quarter power outputs, including back boxes if required.	No.		6	
c)	Microphone	No.		1	
d)	Supply of 2C, 1.5 Sq.mm flexible Speaker Cable for Public address system as per zoning layout Complete in all respects.	Rm		50	
e)	Programming, testing and commissioning of the complete system as per the Client requirement.	Job		1	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
9	VOICE & DATA COMMUNICATION SYSTEM (Passive Equipment Only)				
	Supply, installation, testing and commissioning of following Data / Voice items, as per the single line diagram and specification, complete in all respect. Note: Contractor is advised to confirm the cable running length before commencement of work and termination as per site requirements.				
a)	Supply, installation, testing and commissioning of following Wall / Floor mounted, Data / Voice Cabinets for patch panel, Fiber panels, adapter, PDU's, Fans and space for active switches as it may require to complete the entire passive and active network as per the single line diagram, drawings and specifications, complete in all respect. Make: Imported / Branded or Equivalent				
i	42U Data Rack with 16 Amp PDU's	No.		1	
b)	Supply, laying, termination, tagging, testing and commissioning of Cat-6, 4 pair cable for Single RJ-45 outlet (Data, Voice & Wifi systems) in 25mm dia PVC conduit, concealed / surface / recessed in wall, column, ceiling etc. from each outlet to Communication rack, including all necessary accessories, as per drawing and specification, complete in all respect. Make: 23 Swg	Rm.		2600	
c)	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Voice with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect. Make: 3M	No.		4	
d)	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Data with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect. Make: 3M	No.		98	
e)	Supply, installation, testing and commissioning of Dual RJ-45, Cat-6 Outlet for Voice and Data point with I/O - Shutter type with 16 SWG back box as per drawing and specification, complete in all respect. Make: 3M	No.		24	
f)	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 Data outlet for Camera with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect. Make: 3M	No.		13	
g)	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 Data outlet for Wifi (Access Point) with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	No.		12	
h)	Supply, installing, testing and commissioning of 8 port Fiber optic splitter, complete in all respect.	No.		1	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
i)	Supply, installing, testing and commissioning of 48 port shutter type Cat-6, RJ 45 UTP Patch Panel fully loaded with tool less jacks and rear cable manager, as per drawing and specification, complete in all respect.	No.		4	
j)	Supply, installing, testing and commissioning of 8 port Single Mode Fiber Patch Panel fully loaded with pigtails, rear cable manager etc., as per drawing and specification, complete in all respect. Make: 3M	No.		1	
k)	Supply, installing, testing and commissioning of 19" front/rear (as required) cable organizer between patch panels and active equipment to provide patch cable management including with all necessary accessories, as per drawing & specification, complete in all respect. Make: 3M	No.		4	
l)	Supply, installation, testing and commissioning of Cat-6 UTP (RJ-45 to RJ-45) for the above Patch Panels including with all necessary accessories, as per drawing and specification, complete in all respect. (As per required quantity) Make: 3M				
i	CAT-6 (1m) Long Patch Cord	No.		160	
ii	CAT-6 (3m) Long Patch Cord	No.		160	
m)	Supply, installation, testing and commissioning of following Fiber Optic Patch Cords (certified) of specified color at both ends for communication with SC/LC/APC connector. (As per requirement depends on active part)				
i	3m Long Patch Cord	No.		2	
n)	Supply, installation, testing and commissioning of following 19" Tag blocks in Data rack, as per drawings and specifications, complete in all respect.				
i	1x50 Pair Tag Block	No.		1	
o)	Supply, laying, termination, testing and commissioning of 12C, Single Mode Armoured incoming Fiber Optic Cable to Server Rack in already installed cable tray / conduit, as shown in drawings including termination and tagging at both ends, as per standard specifications with all termination accessories up to entire satisfaction of IT Engineer.	Rm.		50	
p)	Installation, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Voice & Data System to Owner with Providing Training voice data fuke & OTDR Testing, as-build drawing, Rack layouts and certification's Principal, complete equipment's Manual and Warranty Documents to Owners representative.	Job.		1	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
10	CCTV SYSTEM				
	Supply, installation, tagging, testing and commissioning of following items for CCTV System complete with power cord, interconnecting cables, mounting brackets and other all fixing accessories, as per the single line diagram and specification, complete in all respect.				
a)	Supply, installation, tagging, testing and commissioning of 4MP IP based Dome camera with 1/2.8" CMOS 3.3 to 12mm varfocal lens, power adopter, complete in all respect with fixing accessories, as per drawing and specifications, complete in all respect. Make: Dahua or Equivalent	No.		13	
b)	Supply, installation, tagging, testing and commissioning of 32 Channel NVR with RAID 1+0 configuration based, built-in VMS built-in 5TB HDD for 24/7 recording with integral access slots for HDD, as per drawing and specifications, complete in all respect.	No.		1	
c)	Supply, laying, termination, tagging, testing and commissioning of wiring for complete CCTV System with Cat-6, 4 pair cable in 25mm dia PVC conduit, concealed / surface / recessed in wall, column, ceiling etc., including all necessary accessories, as per drawing and specification, complete in all respect. Make: Cat-6 (23 SWG)	Rm.		350	
d)	Supply, installation, testing and commissioning of 42" LED Screen, including all mounting accessories etc., as per drawing and specifications, complete in all respect. Make: SAMSUNG or Equivalent	No.		2	
e)	Supply, installation, testing and commissioning of Core i7 Work Station, 6/7th Generation, complete with Dual VGA Card, Licensed windows 10, Mouse & Keyboard etc., as per drawing and specifications, complete in all respect.	No.		1	
f)	Supply, installation, testing and commissioning of variable speed desktop keyboard with all fixing accessories, as per drawing and specifications, complete in all respect.	No.		1	
g)	Installation, testing, commissioning, programming by Manufacturer Authorized Agent / Dealer and handing over complete CCTV System to Owner with providing training, SOP, complete equipment's manual and warranty documents to owners representative.	Job.		1	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
11	ADDRESSABLE FIRE ALARM SYSTEM				
a)	Supply, laying, tagging, termination, testing and commissioning of wiring for complete Fire Alarm System with 2C-2.5 Sq.mm shielded, twisted pair Fire Retardant Cable (2 hrs. rated) in 25mm dia PVC conduit concealed, (M.S conduit for surface) etc., including any wiring between fire alarm control panel and other's systems control panel's etc. Complete in all respect.	Rm.		350	
b)	Supply, installation, testing and commissioning of Addressable Photoelectric Smoke Detector with base and back box, as per drawing and specification, complete in all respect.	No.		52	
c)	Supply, installation, testing and commissioning of Addressable Manual Pull Station / Call Point with base and back box, as per drawing and specification, complete in all respect.	No.		2	
d)	Supply, installation, testing and commissioning of Addressable Sounder with flasher / Strobe and base and back box, as per drawing and specification, complete in all respect.	No.		3	
e)	Supply, installation, testing and commissioning of 02 Loop Addressable Fire Alarm Control Panel (FACP) including all necessary accessories, Backnet Card for Interfacing of Panels to BMS with soft programming and integration, identification tagging etc. and 3Hrs battery back up. FACP as per drawing and specification, complete in all respect.	No.		1	
f)	Supply and wiring for complete Fire Alarm System using 2C, 1.5 Sqmm Fire Resistant Shielded cable in 25mm dia PVC conduit from Fire Alarm Control Panel to all sensors & devices including all installation accessories, complete in all respect.	Rm.		18	
g)	Installation, testing and commissioning, Software, Programming by Manufacturer Authorized Agent / Dealer and handing over complete Fire Alarm system to owner with providing training, SOP, complete equipment's manual and warranty documents to Owner's Representative.	Job		1	
12	ACCESS CONTROL SYSTEM				
	Supply, installation, testing & commissioning of following items for Access Control System including all communication, power and controlling accessories, housings, mounting brackets, suspension rods etc. required for completion of the system, as per drawing and specification. Complete in all respect.				
a)	Supply, installation, tagging, testing and commissioning of 2 Door Controller LAN Based with power supply and all fixing accessories, as per drawings, specification and upto entire satisfaction of Engineer / consultant, complete in all respect.	No.		1	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
b)	Supply, installation, tagging, testing and commissioning of Proximity Card Reader with all accessories, as per drawings and specification, complete in all respect.	No.		6	
c)	Supply, installation, tagging, testing and commissioning of Electromagnetic Door Lock with matching power supply and with all fixing accessories, as per drawings and specification, complete in all respect.	No.		6	
d)	Supply, installation, tagging, testing and commissioning of Exit Control Push Button with all fixing accessories, as per drawings and specification, complete in all respect.	No.		6	
e)	Supply, installation, testing and commissioning of PVC Card, as per drawing and specifications, complete in all respect.	No.		100	
f)	Supply, laying, termination, tagging, testing and commissioning of wiring for complete Access Control System with Cat-6, 4 pair cable in 25mm dia PVC conduit, concealed / surface / recessed in wall, column, ceiling etc., including all necessary accessories, as per drawing and specification, complete in all respect.	Rm.		50	
g)	Supply, installation, testing and commissioning of Access control Enterprise Software with enterprise level time attendance software integrated with IP Based CCTV System. Complete in all respect.	No.		1	
h)	Programming, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Access Control System to Owner with providing training, SOP, complete equipment's manual and warranty documents to owner's representative.	Job.		1	
	TOTAL FOR ELECTRICAL NON-SCHEDULE WORKS				

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	HVAC NON-SCHEDULE WORKS				
1	CHILLED WATER FAN COIL UNITS				
	(i) SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF Chilled Water Fan Coil Units and Fresh Air Units. Low noise fan, fan motor, access doors, G4 Air Filters with filter sections, including controller/wall mounted thermostat for on/off for fan motor, chilled water valve, electrical terminal box.				
	Recommended Brands: LARK/CARRIER/TRANE or Approved Equal.				
	Origin: USA/EUROPE/JAPAN/SOUTH EAST ASIA OR Approved Equal.				
	Fan Coil Units to be of following capacities				
	700 CFM / 1.5 TON	Nos.		13	
	1200 CFM / 2.6 TON	Nos.		10	
	1600 CFM / 3.5 TON	Nos.		7	
	Fresh Air Units to be of following capacities				
	1200 CFM / 12 TON	Nos.		2	
	400 CFM / 4 TON	Nos.		1	
2	CHILLED WATER PIPES AND INSULATION				
2A	a) Providing Sch.40 seamless black carbon steel piping for chilled water supply and return system, complete with fittings, flanges, union, gasket specialties etc., including all cutting, fixing, fitting, laying cleaning, making connections with equipment, hangers, supports, painting, finishing, pressure testing and making good. Recommended Pipe Brand: Econosto or approved equal				
	Ø 3/4" NB	Rft		240	
	Ø 1" NB	Rft		Rate Only	
	Ø 1-1/4" NB	Rft		370	
	Ø 1-1/2" NB	Rft		340	
	Ø 2" NB	Rft		430	
	Ø 2-1/2" NB	Rft		Rate Only	
	Ø 3" NB	Rft		80	
	Ø 4" NB	Rft		160	
	Ø 8" NB	Rft		10	
	Ø 10" NB	Rft		10	
2B	Supply and Installation of Glass Wool pipe insulation , thermal conductivity 0.035 W/m.k, density 64kg/cum, non-inflammable for chilled water piping including valves, fittings and specialties , 8 oz canvas cloth Brand: Thermo Insulation UAE or Approved equal/Kimmco/Affico				
	1" Thick				
	Ø 3/4" NB	Rft		240	
	Ø 1" NB	Rft		Rate Only	
	Ø 1-1/4" NB	Rft		370	
	Ø 1-1/2" NB	Rft		340	
	Ø 2" NB	Rft		430	
	2" Thick				
	Ø 2-1/2" NB	Rft		Rate Only	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	Ø 3" NB	Rft		80	
	Ø 4" NB	Rft		160	
	Ø 8" NB	Rft		10	
	Ø 10" NB	Rft		10	
3	Valves and specialties (Chilled water services)				
	Valves and specialties with matching flanges, nuts, bolts and gaskets for all chilled water piping as per specifications.				
	Valves for all services 2 inch and above shall be flanged type with matching flanges, nuts, bolts and gaskets.				
	The valves and specialties shall be of Econosto, Gala, KITZ or approved equivalent				
	(a) Gate Valves (Chilled Water)				
	Ø 3/4"	Nos.		26	
	Ø 1"	Nos.		Rate Only	
	Ø 1-1/4"	Nos.		28	
	Ø 1-1/2"	Nos.		10	
	Ø 2"	Nos.		4	
	Ø 2-1/2"	Nos.		Rate Only	
	Ø 3"	Nos.		Rate Only	
	Ø 4"	Nos.		2	
	(b) Globe Valves etc. (Chilled water)				
	Ø 3/4"	Nos.		13	
	Ø 1"	Nos.		Rate Only	
	Ø 1-1/4"	Nos.		14	
	Ø 1-1/2"	Nos.		5	
	Ø 2"	Nos.		2	
	Ø 2-1/2"	Nos.		Rate Only	
	Ø 3"	Nos.		Rate Only	
	(c) Y-Type Strainers (Chilled Water).				
	Ø 3/4"	Nos.		13	
	Ø 1"	Nos.		Rate Only	
	Ø 1-1/4"	Nos.		14	
	Ø 1-1/2"	Nos.		5	
	Ø 2"	Nos.		2	
	Ø 2-1/2"	Nos.		Rate Only	
	Ø 3"	Nos.		Rate Only	
	(d) Ball Valves (Chilled Water)				
	Ø 3/4" NB	Nos.		96	
	(e) Check Valves	Nos.		Rate Only	
	(f) Auto Air Vents make Econosto or approved equal (Chilled Water)				
	3/4" NB	Nos.		33	
4	Cost of chilled water balancing.	Job		1	

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
5	Supply, installation, mini split air conditioner complete with gas charging, refrigerant piping, insulation, drain piping, electric and control wiring for following capacities for tropical region. (Brands: Mitsubishi/Toshiba/Hitachi/LG/Samsung/Daikin/Daikool/Midea or Equivalent				
	Wall Mounted Type (for IT Room)				
	2.0 TON	Nos.		2	
6	CONDENSATE DRAIN PIPING				
	Supply and installation of uPVC Class D condensate drain piping for VRF AC equipment's upto drain points 1/2" closed cell synthetic elastomeric foam insulation such as Aero flex-Europe or equivalent. & 8 oz. canvas jacketing, painting & finishing.				
	Ø 3/4" NB	Rft		160	
	Ø 1" NB	Rft		70	
	Ø 1-1/4" NB	Rft		75	
	Ø 1-1/2" NB	Rft		130	
	Ø 2" NB	Rft		270	
7	(a) Rectangular Ducting.				
	G.I sheet metal medium pressure flange type ducting including splitter dampers, take offs, elbows and other necessary fittings, wall/slab sleeves, connections with air-handling units including flexible duct connector, ventilation and exhaust fans including neoprene coated flexible duct connectors, air devices and other equipment complete with all bracings, hangers, supports, access doors, etc and ready for operation in all respect.				
	24 Gauge	Sq.Ft		18,750	
	22 Gauge	Sq.Ft		2,500	
	20 Gauge	Sq.Ft		3,100	
	18 Gauge	Sq.Ft			
8	a) Installation of Glass Wool duct Insulation (density 16 kg/m ³ , for duct with aluminum foil and self adhesive as specified in technical specification including all labor, material and accessories, complete in all respect and to the satisfaction of Engineer Incharge.				
	25 mm Thick	Sq.Ft		24,350	
9	Supply and Fixing of following types and sizes of Air Devices including connections with air ducts and support arrangements. Recommended Manufacturer: Shan Industries/Karachi or approved equal.				
	a) Supply air diffusers T&B AM Series with M7 Dampers.				
	9"x9"	Nos.		12	
	12"x12"	Nos.		8	
	15"x15"	Nos.		123	
	b) T&B 4000 SERIES LINEAR RETURN GRILLS, WITH Damper				

CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES)
AT OJHA CAMPUS, DUHS, KARACHI.

BILL OF QUANTITIES

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	5 INCH WIDE AND 4 FEET LONG	Nos.		18	
	5 INCH WIDE AND 5 FEET LONG	Nos.		13	
	5 INCH WIDE AND 6 FEET LONG	Nos.		23	
	c) Fresh Intake louver with G4 filters of following sizes.				
	18"x12"	Nos.		2	
	22"x6"	Nos.		1	
	d) Exhaust Air Louvers of following sizes.				
	16"x12"	Nos.		2	
	e) Return/Exhaust Air Grills				
	12"x12"	Nos.		15	
	f) Toilet Extractors				
	10 Diameter with butterfly dampers	Nos.		8	
10	EXHAUST/FRESH AIR FANS				
	CABINET TYPE DOUBLE SKIN EXHAUST AIR FAN SINGLE PHASE MOTOR WITH VFD/INDUSTRIAL DIMMER. Recommended Brands: Sasa Industries/Karachi, Shan Industries/Karachi				
	300 CFM, 0.25 ESP	SET		2	
11	AUTOMATIC CONTROLS				
	Wall mounted thermostat for on/off for fan motor, chilled water valve with actuators, accessories, complete in all respects. Recommended Brands: Honeywell/Johnson Controls, Origin: USA/UK/EUROPE/CANADA				
	Wall mounted thermostat	Nos.		31	
	Electrical Control Wiring for above	Rft		1930	
12	Produce Shop drawings.	Set		3	
13	Produce as built drawings.	Set		3	
14	Lifting/ Shifting/ Rigging of all Equipment's to specified locations	Job		1	
15	Providing necessary uniform, safety equipment (PPE) to workers throughout the project duration.	Lot		1	
16	Cost of testing, starting-up, commissioning, adjusting & handing over of complete system as per specifications.	Job		1	
17	Cost of air balancing of all air circuit.	Job		1	
	TOTAL FOR HVAC NON-SCHEDULE WORKS				

DRAWINGS

DOW APPNA CENTER FOR EMERGING TECHNOLOGIES

DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS, KARACHI



TENDER DRAWINGS
FEBRUARY, 2025

DOW UNIVERSITY OF HEALTH SCIENCES

Director Works & Services
Baba-E-Urdu Road, Karachi-74200, Pakistan

**DOW APPNA
CENTER FOR EMERGING TECHNOLOGIES**

DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS, KARACHI

INTERIOR DRAWINGS
TENDER DRAWINGS
FEBRUARY, 2025

DOW UNIVERSITY OF HEALTH SCIENCES

Director Works & Services
Baba-E-Urdu Road, Karachi-74200, Pakistan

DOW APPNA CENTER FOR EMERGING TECHNOLOGIES

DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS, KARACHI

TITLE OF SHEET

LIST OF DRAWINGS AND GENERAL NOTES

LIST OF DRAWINGS (ARCHITECTURAL)	GENERAL NOTES
<p>ID-01 EXISTING LAYOUT PLAN</p> <p>ID-02 WORKING LAYOUT PLAN</p> <p>ID-03 FURNITURE LAYOUT PLAN</p> <p>ID-04 FLOORING LAYOUT PLAN</p> <p>ID-05 REFLECTED CEILING PLAN</p> <p>ID-06 SECTIONAL ELEVATIONS</p> <p>ID-07 LECTURE HALL DETAILS</p> <p>ID-08 SEMINAR ROOM DETAILS</p> <p>ID-09 CONFERENCE ROOM DETAILS</p> <p>ID-10 DOOR DETAILS</p> <p>ID-11 MALE WASH ROOM DETAILS</p> <p>ID-12 FEMALE WASH ROOM DETAILS</p>	<p>This Package contains Basic Interior Drawings for working and construction. All, electrical, plumbing and HVAC Design drawings are developed on the basis of these drawings, Internal finishing materials like tiles, door & windows and paint etc are mentioned in the Drawings. Contractor must produce shop drawings and furnish samples and get them approved from project manager/ consultant prior to execution at site.</p> <ol style="list-style-type: none"> 1. All levels noted are internal finishing levels unless otherwise mentioned. 2. Do not scale the drawings, follow written instructions. 3. The drawings shall not be used for construction purpose until stamped "FOR CONSTRUCTION" and signed by the architect. 4. If any discrepancy is found on drawing the consultant shall be informed prior to starting the work on site. 5. All materials used shall be in strict accordance with the specifications. 6. Submit samples of materials to the consultant for approval prior to use on site. 7. Mock-up of every finished activity would be prepared for the approval of the consultant prior to final execution of the work. 8. Expanded metal lath (Mesh) to be used at all internal and external joints between masonry and concrete members (Columns, Beams and Slabs). 9. 6mm Ø G. I. Z-ties, as detailed shall be placed at 600mm (24") c/c horizontally and at every third course in cavity wall. 10. Masonry around ducts to be executed after plumbing / mechanical installations. 11. Floor finishes to all external paved areas to be laid in a slope of 1:200 for rain water drainage unless specified otherwise. 12. Floor finishes in toilets to be laid in slope towards floor drains . 13. Dimensions for windows, as shown on drawings, are all opening sizes. 14. All drawings must be read in conjunction with relevant engineering drawings. 15. Where a discrepancy is noted between basic and detailed drawings, detailed drawing shall govern. 16. All dimensions are shown in (feet & inches). 17. All dimensions to be confirmed at site prior to construction.

GENERAL NOTES:

NORTH:

CLIENT NAME:
DOW UNIVERSITY OF HEALTH SCIENCES,
GHJA CAMPUS, KARACHI.

PROJECT:
DOW APPNA
CENTER FOR EMERGING TECHNOLOGIES

Works & Services
Department

PROJECT NO:
DRAWING TITLE:
WORKING LAYOUT PLAN

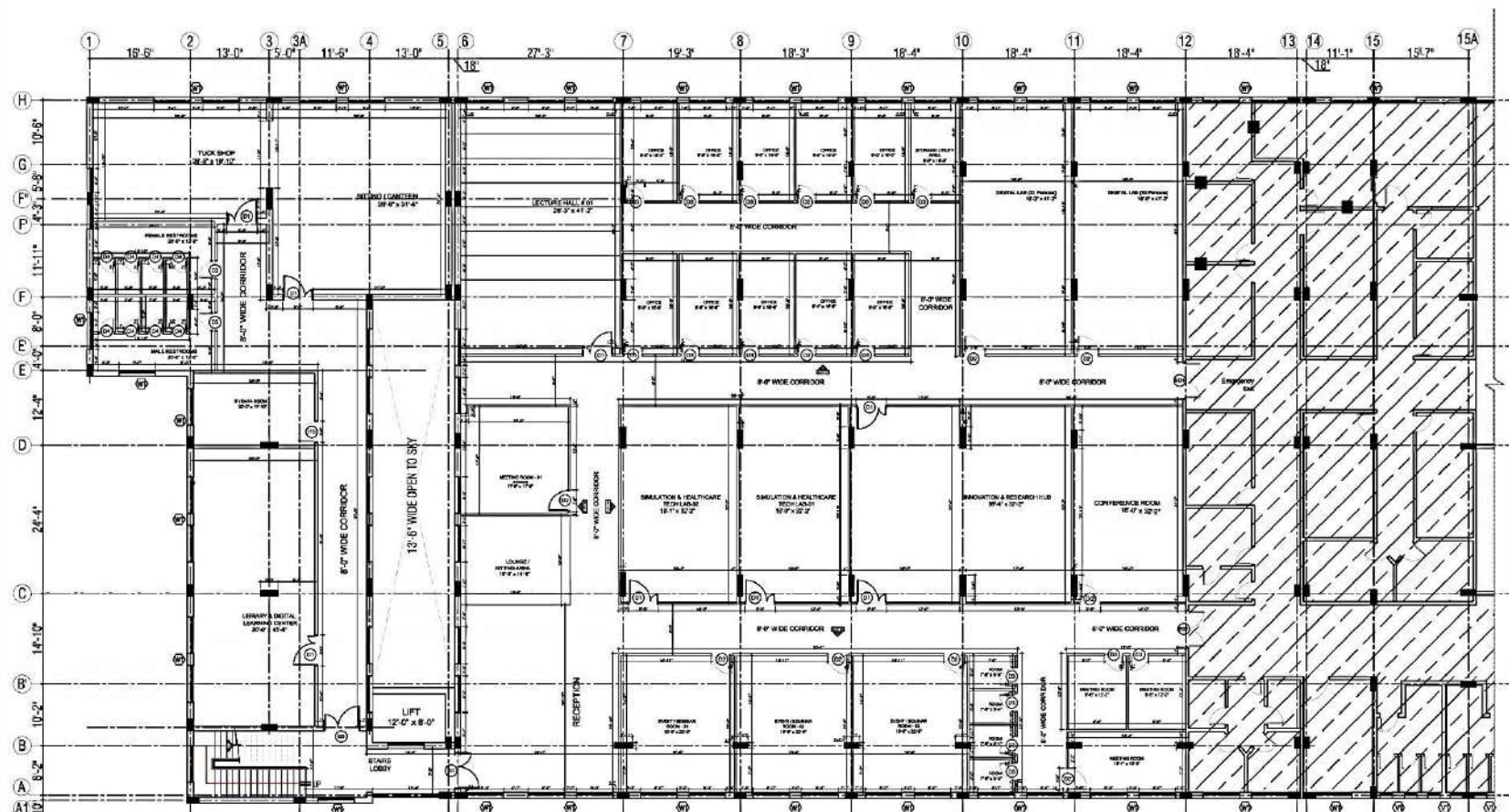
DRAWING STATUS:
TENDER DRAWING

DATE: February 2025
DRAWING NO: 19-02

DESIGNED BY:
Zohir Hossain

CHECKED BY:
Engr. Asif Raza Khan

REVISION NO:
REVISION NO:



WORKING LAYOUT PLAN

SCHEDULE OF WORKS				
No.	Item No.	Description	Unit	Quantity
01	01	WORKING LAYOUT PLAN	SQ. FT.	1
02	02	WORKING LAYOUT PLAN	SQ. FT.	1
03	03	WORKING LAYOUT PLAN	SQ. FT.	1
04	04	WORKING LAYOUT PLAN	SQ. FT.	1
05	05	WORKING LAYOUT PLAN	SQ. FT.	1
06	06	WORKING LAYOUT PLAN	SQ. FT.	1
07	07	WORKING LAYOUT PLAN	SQ. FT.	1

GENERAL NOTES:

NORTH:

CLIENT NAME:
DOW UNIVERSITY OF HEALTH SCIENCES,
DHAKA CAMPUS, KARACHI.

PROJECT:
DOW APPNA
CENTER FOR EMERGING TECHNOLOGIES

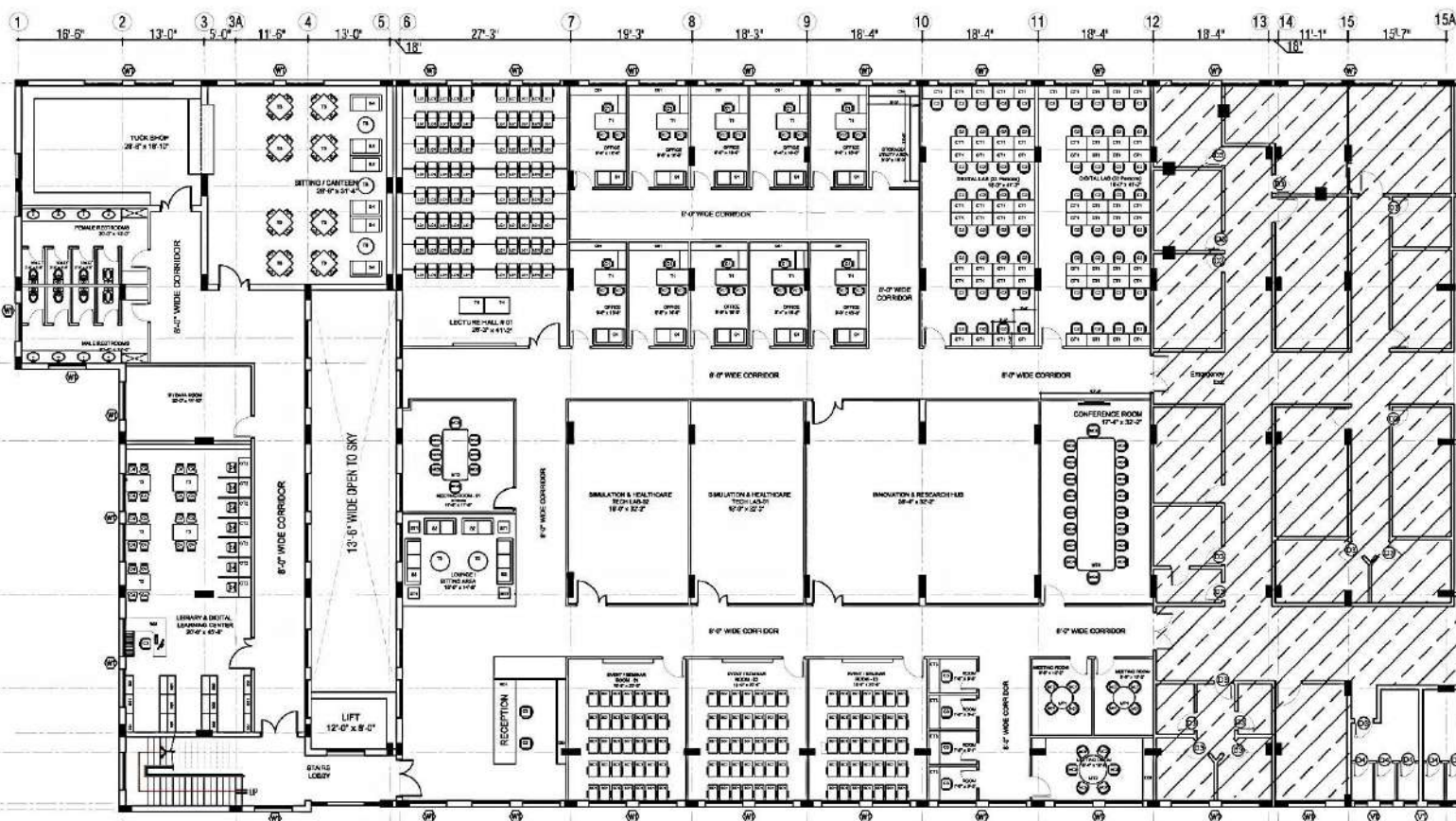
Works & Services
Department

PROJECT NO.

DRAWING TITLE:
FURNITURE LAYOUT PLAN

DRAWING STATUS:
TENDER DRAWING

JOINT ARCHITECT:	DRAWN BY:
Ume Inaba	Zaid Hassan
SCALE:	CHECKED BY:
3/32" = 1' 0"	Engr. Abdul Rahim Khan
DATE:	APPROVED BY:
February 2025	Engr.
DRAWING NO.:	REVISION NO.:
19-02	

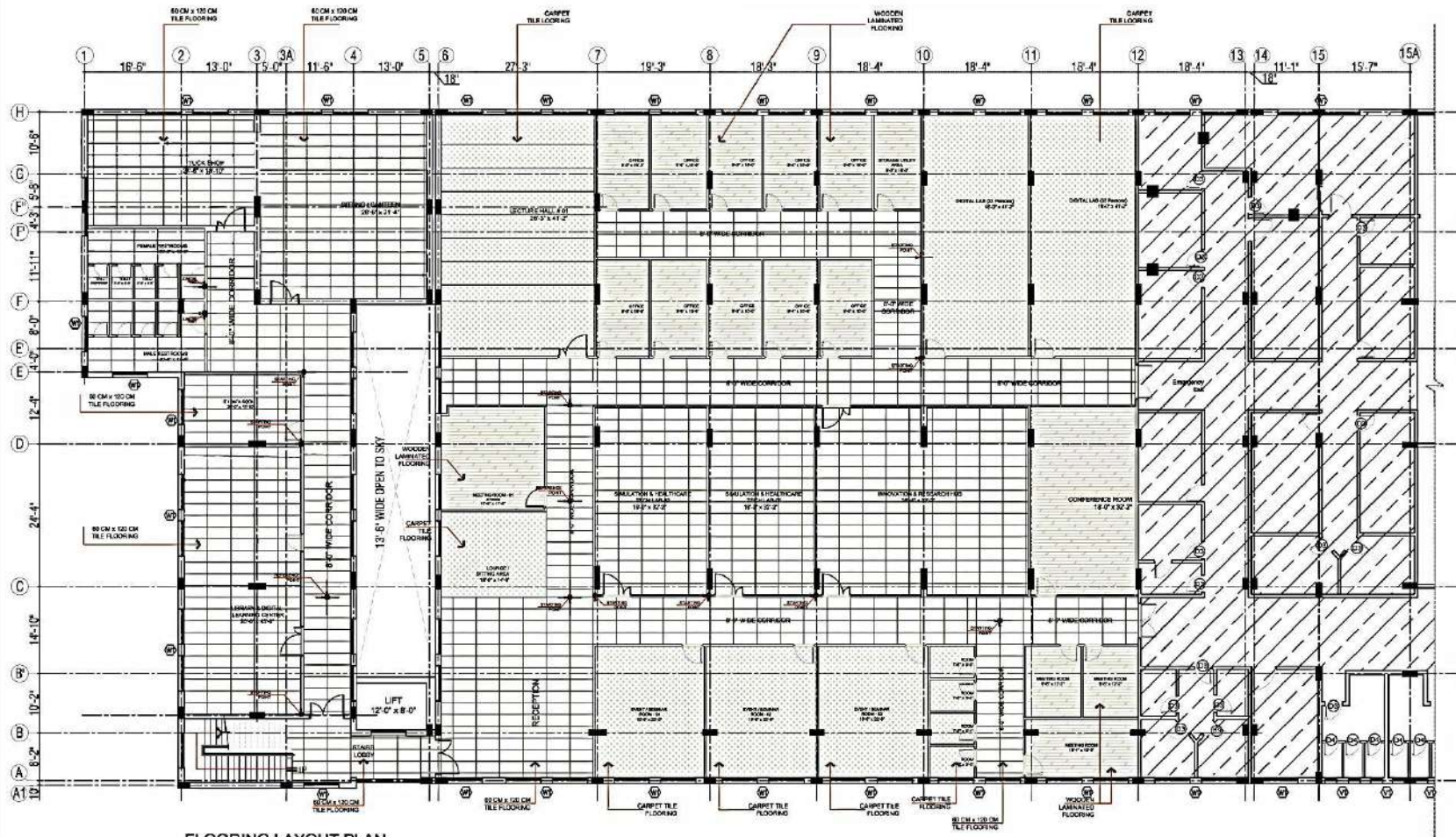


FURNITURE LAYOUT PLAN

GENERAL NOTES:

NORTH:

DATE	01/03/2021	REVISION	01
BY	Architect	REVISION	02
CHECKED BY	Eng. Abdul Raheem Khan	REVISION	03
DATE	February 2021	REVISION	04
DRAWING NO.	(10-01)	REVISION NO.	
CLIENT NAME	DOW UNIVERSITY OF HEALTH SCIENCES, GHJA CAMPUS, KARACHI.		
PROJECT	DOW APPNA CENTER FOR EMERGING TECHNOLOGIES		
WORKS & SERVICES Department			
PROJECT NO.			
DRAWING TITLE	FLOORING LAYOUT PLAN		
DRAWING STATUS	TENDER DRAWING		
JOB ARCHITECT	Umar Imran	DRAWN BY	Zaid Hashmi
SCALE	3/32" = 1' 0"	CHECKED BY	Eng. Abdul Raheem Khan
DATE	February 2021	DESIGNED BY	
DRAWING NO.	(10-01)	REVISION NO.	



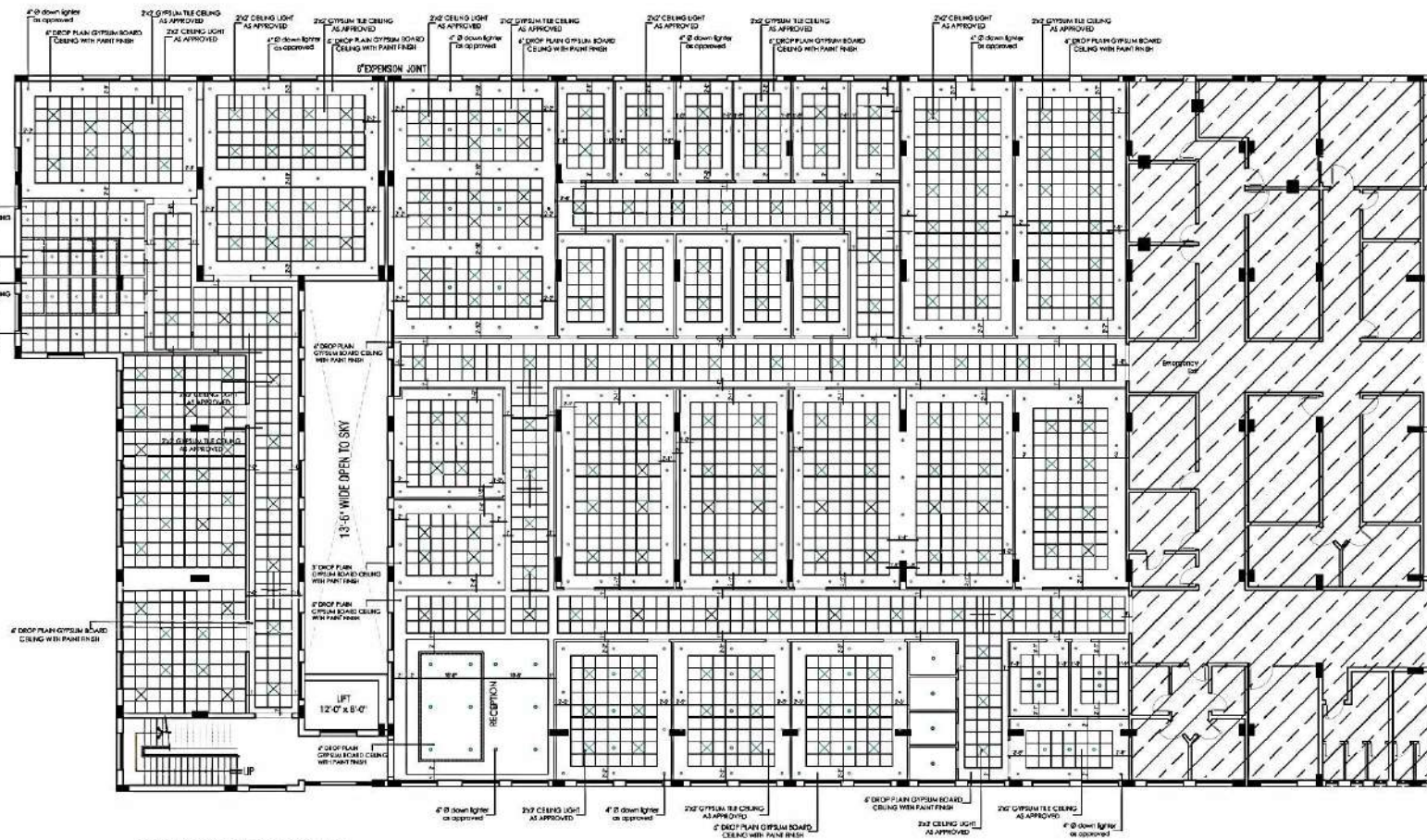
FLOORING LAYOUT PLAN

- WOODEN LAMINATED FLOOR
- CARPET TILE FLOOR
- 80 CM x 100 CM TILE FLOOR

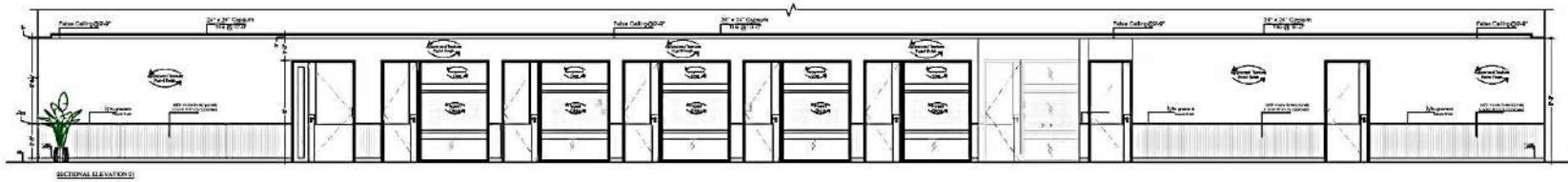
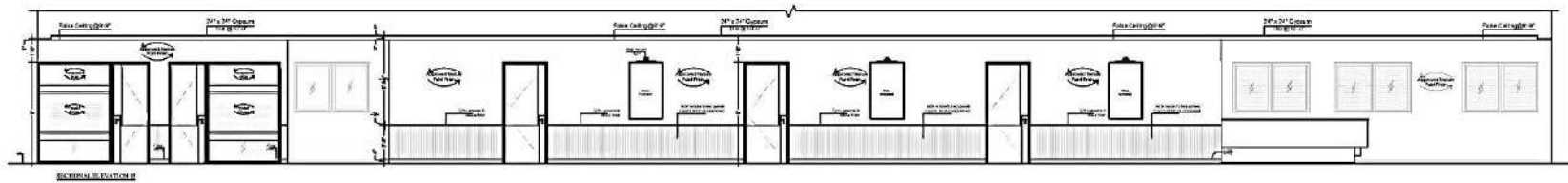
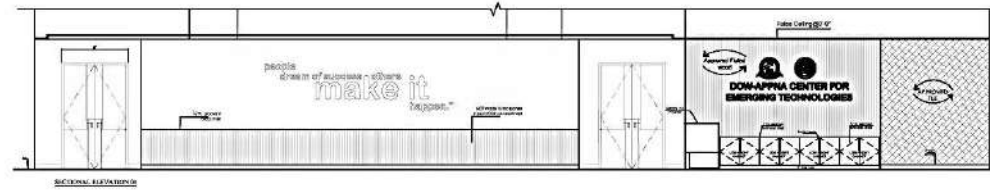
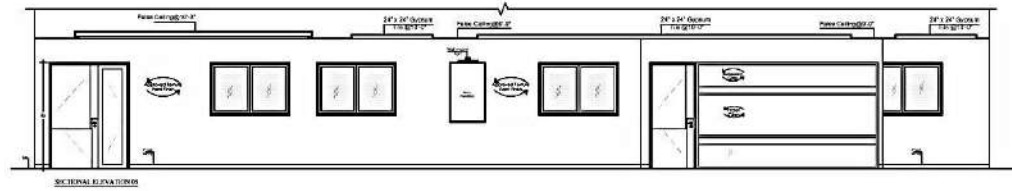
GENERAL NOTES:

NORTH:

DATE	ISSUED	REVISION NO.
CLIENT NAME		
DOW UNIVERSITY OF HEALTH SCIENCES, GHJIA CAMPUS, KARACHI .		
PROJECT		
DOW APPNA CENTER FOR EMERGING TECHNOLOGIES		
Works & Services Department		
PROJECT NO.		
REL-DUHS-2214E		
DRAWING FOR		
REFLECTED CEILING PLAN		
DRAWING STATUS		
TENDER DRAWING		
JOE ARCHITECT:	DRAWN BY:	
Umera Iqbal	Zame Nasoon	
SCALE:	CHECKED BY:	
3/32" = 1' 0"	Engr. Abdul Rahan Khan	
DATE:	ISSUED BY:	
February 2025	Iqbal	
DRAWING NO.	REVISION NO.	
15-05		



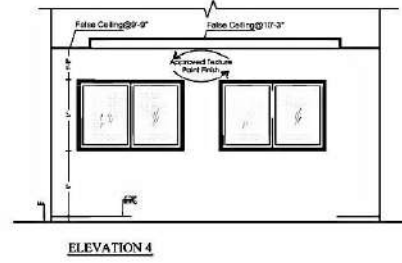
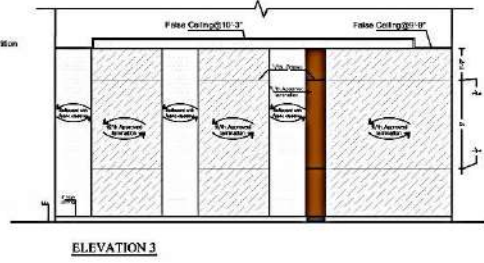
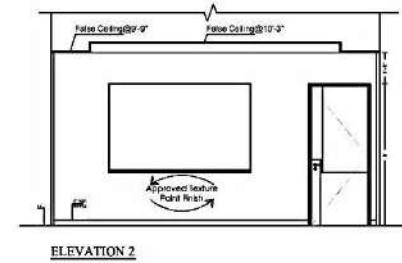
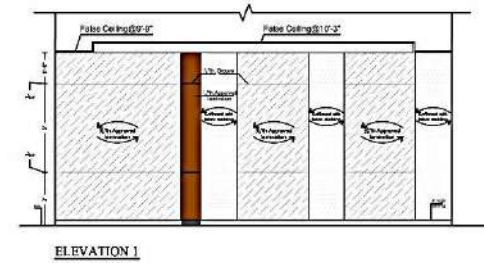
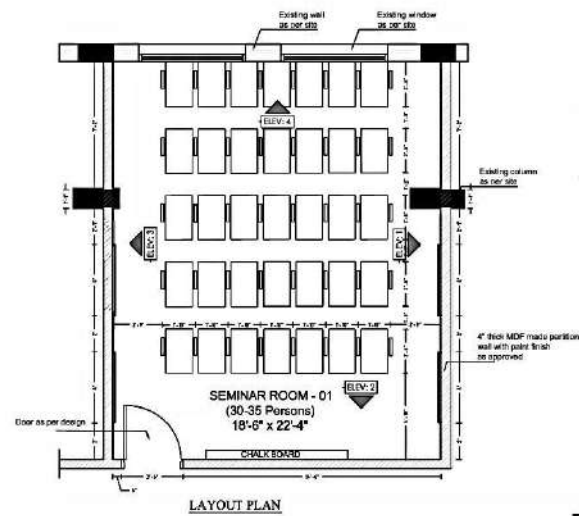
REFLECTED CEILING PLAN



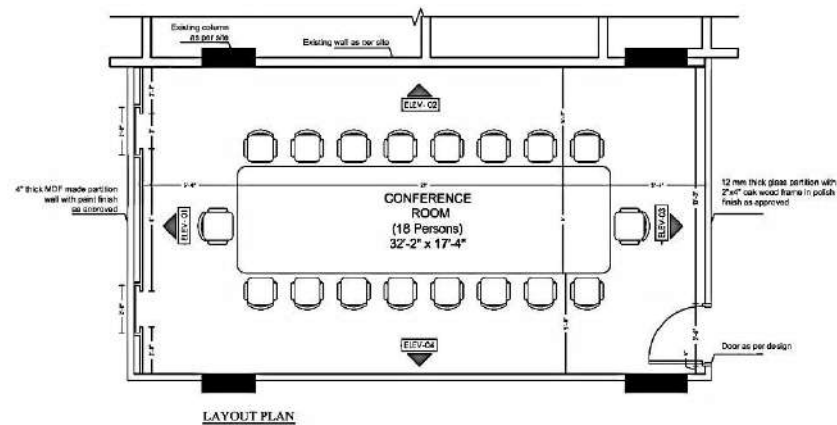
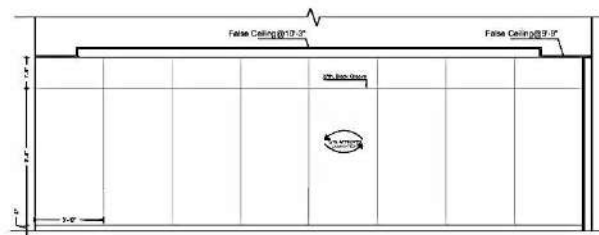
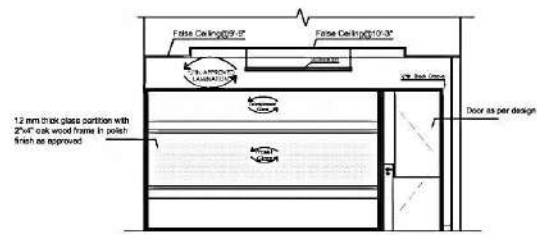
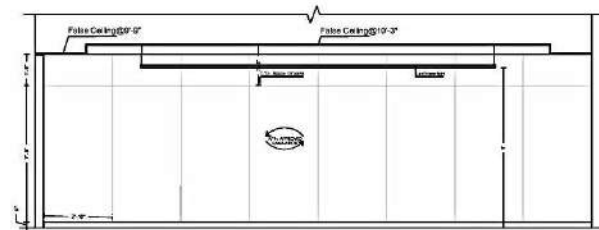
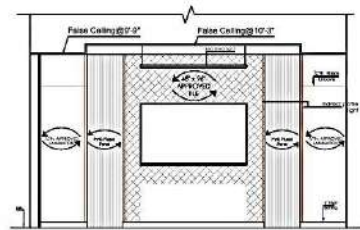
GENERAL NOTES:			



Works & Services Department	
PROJECT NO.	
DRAWING TITLE: LECTURE HALL DETAILS	
DRAWING ATTACH:	
TENDER DRAWING	
JOB ARCHITECT : Uma Indira	DRAWN BY : Zine Hassan
S SCALE: 1/4" = 1'-0"	CHECKED BY : Eng. Abdel Rahim Khan
DATE: February 2015	REVISION: Initial
DRAWING NO. (1047)	REVISION NO.:



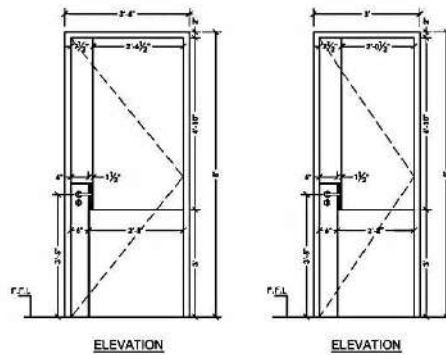
GENERAL NOTES:		



GENERAL NOTES:

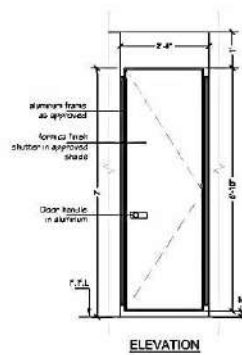
NORTH:

Id	01/03/2024	Issued to your study organization	
Rev. No.	0000	Drawing	
REFERENCE SCHEDULE			
CLIENT NAME:			
DOW UNIVERSITY OF HEALTH SCIENCES, DHAKA CAMPUS, KARACHI .			
PROJECT:			
DOW APPNA CENTER FOR EMERGING TECHNOLOGIES			
<p>Works & Services Department</p> <p>*</p>			
PROJECT NO:			
DRAWING TITLE:			
CONFERENCE ROOM DETAILS			
DRAWING STATUS:			
TENDER DRAWING			
JOB FACILITATOR:	DRAWN BY:		
Umay Ibrahim	Zameer Hassan		
SCALE:	CHECKED BY:		
1/4" = 1'-0"	Eng. Abdu Rabbil Khan		
DATE:	APPROVED BY:		
February 29th	Issued		
DRAWING NO:	REVISION NO:		
ED-02			

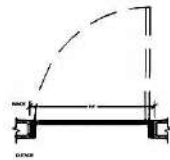


ELEVATION

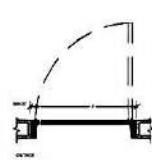
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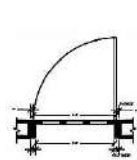
ELEVATION



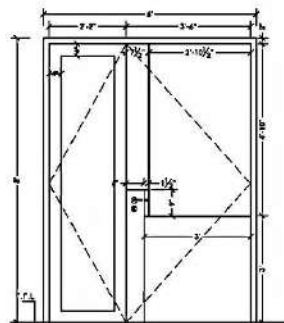
PLAN
DOOR TYPE - D2



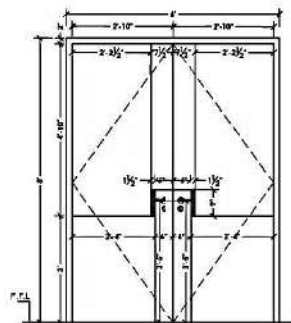
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DOOR TYPE - D3



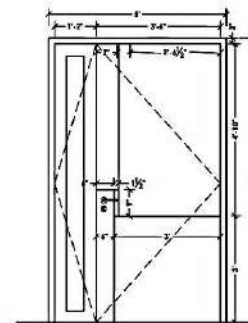
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DOOR TYPE - D4



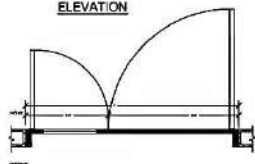
ELEVATION



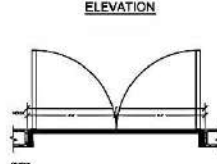
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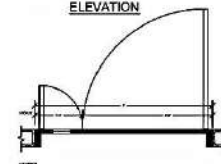
ELEVATION



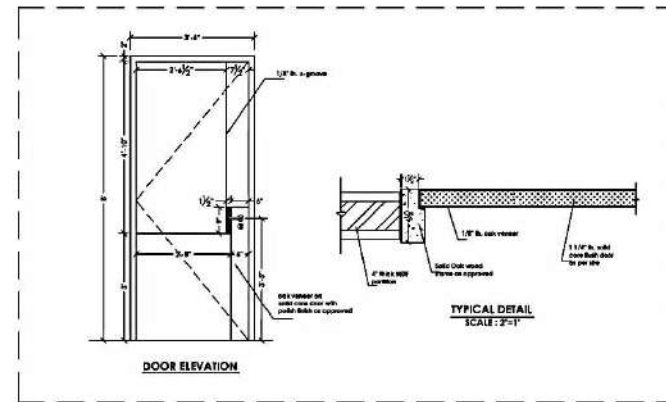
PLAN
DOOR TYPE - ED



PLAN
DOOR TYPE - ED1



PLAN
DOOR TYPE - D1



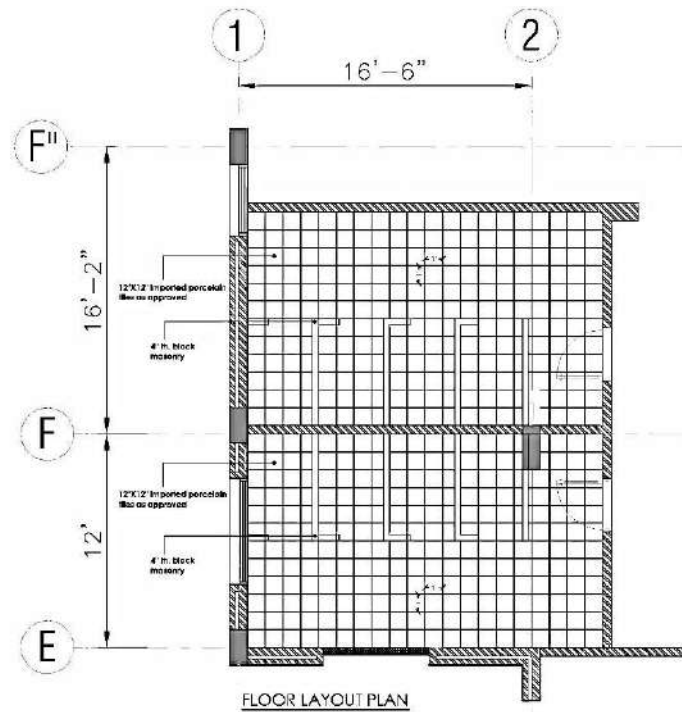
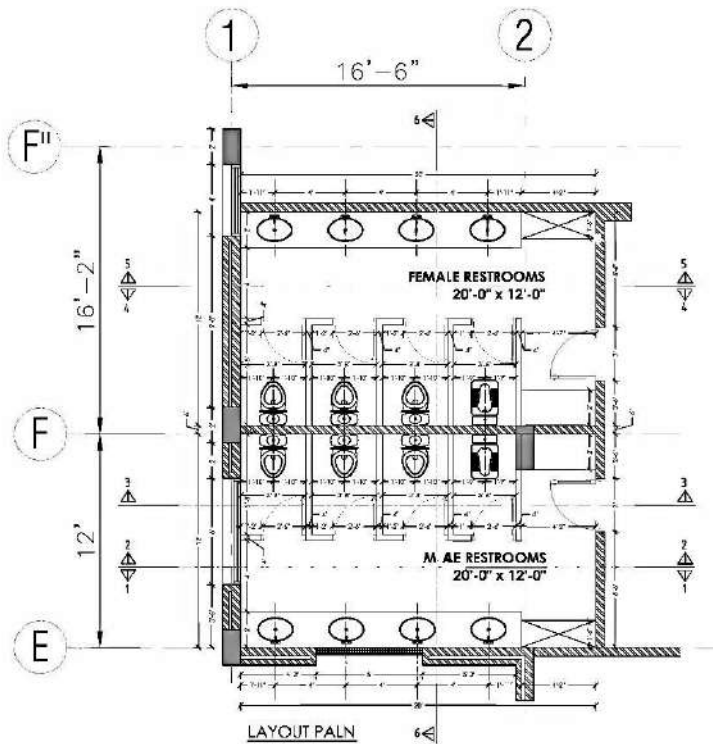
DOOR ELEVATION

TYPICAL DETAIL
SCALE: 3/4"=1"

GENERAL NOTES:

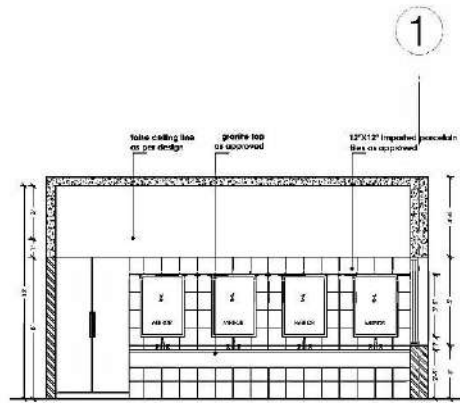
NORTH:

NO.	DATE	REVISION
01	07-05-2025	Revised per client's suggestions
02		
03		
REVISION SCHEDULE		
CLIENT NAME:		
DOW UNIVERSITY OF HEALTH SCIENCES, GHJAL CAMPUS, KARACHI.		
PROJECT:		
DOW APPNA CENTER FOR EMERGING TECHNOLOGIES		
Works & Services Department		
PROJECT NO:		
DRAWING TITLE:		
DOOR DETAILS		
DRAWING STATUS:		
TENDER DRAWING		
FOR ARCHITECT:	DESIGNED BY:	DRAWN BY:
Umar Farooq	Zaid Hassan	
SCALE:	CHECKED BY:	
1/4" = 1'-0"	Engr. Abdul Raheem Khan	
DATE:	DATE OF:	
February 2025	Issued	
DRAWING NO:	REVISION NO:	
10-10		

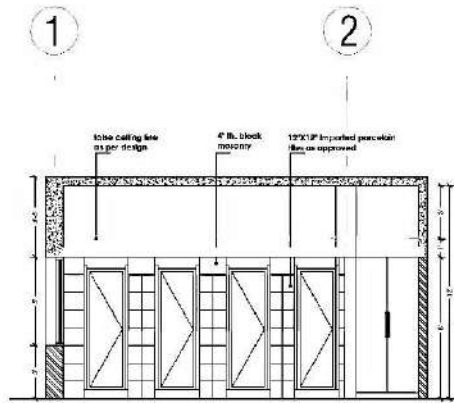


GENERAL NOTES:
 1. CHECK AND VERIFY ALL THE DIMENSIONS AND SPACES ARE CORRECT.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 4. THE DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 5. THE DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 6. THE DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 7. THE DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

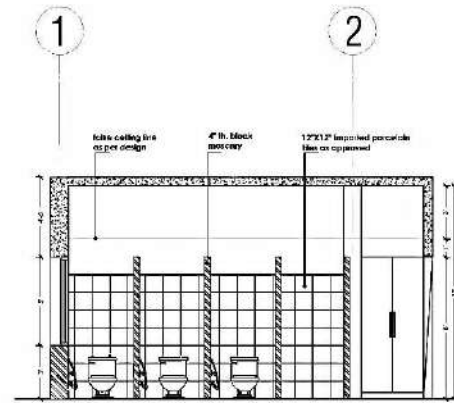
TENDER DRAWINGS		
CLIENT NAME	DOW UNIVERSITY OF HEALTH SCIENCES, GHANA CAMPUS, KUMASI	
PROJECT	DOW APHA CENTER FOR EMERGING TECHNOLOGIES	
WORKS & SERVICES Department		
PROJECT NO.		
DRAWING NO.	MALE & FEMALE RESTROOM DETAILS 1	
DATE	10/11/2023	DESIGNED BY
SCALE	1/4" = 1'-0"	CHECKED BY
DATE	10/11/2023	DESIGNED BY
DATE	10/11/2023	CHECKED BY
DATE	10/11/2023	DESIGNED BY
DATE	10/11/2023	CHECKED BY



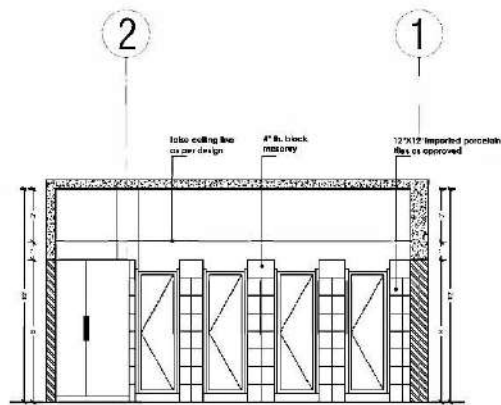
SECTIONAL ELEVATION - 1-1



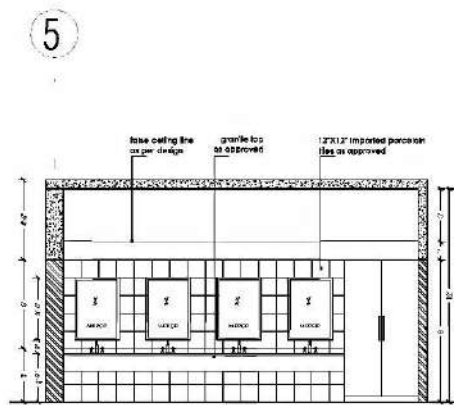
SECTIONAL ELEVATION - 2-2



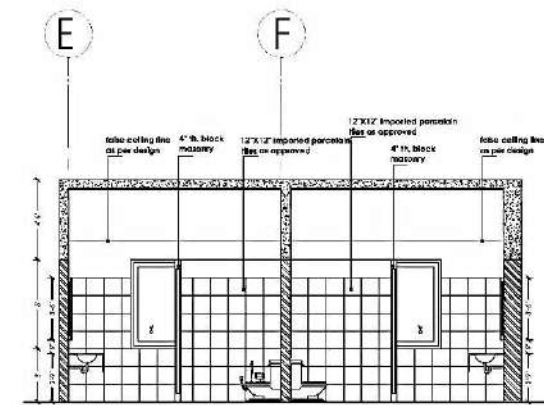
SECTIONAL ELEVATION - 3-3



SECTIONAL ELEVATION - 4-4



SECTIONAL ELEVATION - 5-5



SECTIONAL ELEVATION - 6-6

GENERAL NOTES:
 1. CHECK AND VERIFY ALL THE DIMENSIONS BEFORE STARTING THE WORK.
 2. ALL THE WORK SHALL BE DONE AS PER THE SPECIFICATIONS.
 3. ALL THE MATERIALS SHALL BE OF THE BEST QUALITY AND SHALL BE SUPPLIED BY THE CONTRACTOR.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF THE EXISTING STRUCTURE.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF THE EXISTING UTILITIES.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF THE EXISTING FURNITURE.
 7. TO BE SUBMITTED FOR APPROVAL.

NOTES:

Rev	Date	Description

TENDER DRAWINGS

CLIENT NAME:
 DOW UNIVERSITY OF HEALTH SCIENCES,
 DHA CAMPUS, KARACHI.

PROJECT:
 DOW APHIA
 CENTER FOR EMERGING TECHNOLOGIES

**Works & Services
 Department**

PROJECT NO.:

DRAWING NO.:
 MALE/FEMALE RESTROOM DETAILS-1

DESIGNED BY: Engr. Abdul Karim Khan	CHECKED BY: Engr. Abdul Karim Khan
DATE: 10/05/2023	SCALE: 1/8" = 1'-0"
DRAWING NO.: [10/12]	PROJECT NO.: [10/12]



DAWN

Friday
March 14, 2025
Pakistan 13, 1446
KARACHI
Rs 35.00
18 Pages
Vol. LXXX No. 73
Regd No. 65-607
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Office Of The Director Works & Services DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Karachi-74200 Pakistan.

Tel: 9215754-57 Ext: 5814 Website: www.duhs.edu.pk

No. DUHS/W&S/2025/1450

Dated: March 13, 2025

TENDER NOTICE

Dow University of Health Sciences (DUHS), Karachi is a Public Sector University invites e-bids through E-Pak Acquisition & Disposable System (EPADS) from well-reputed Companies / Bidders / firms having registration with Federal Board of Revenue (FBR), Income Tax Department, Sindh Revenue Service Board, Sales Tax and Pakistan Engineering Council (PEC).

	NAME OF WORK	METHOD OF PROCUREMENT
1.	"CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES) AT OJHA CAMPUS, DUHS, KARACHI." (REF NO: DUHS/W&S-NIT/179)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)

Tender Fee	Rs. 7,000/- (Rupees Seven Thousand Only) Non-Refundable in shape of Pay Order / Demand Draft in favor of Dow University of Health Sciences, Karachi.
Security	Bid Security and Performance Security as mentioned in the bidding document.

E-Bidding documents as per detailed terms and conditions, specifications and requirements are available for the registered bidders on Sindh Public Procurement Regulatory Authority's EPADS at <https://portalsindh.eprocure.gov.pk/#/> and University website <https://duhs.edu.pk> on the payment noted above (non-refundable) on any working day except the day of opening of tenders.

The electronics bids must be submitted using EPADS before closing time **07-04-2025** at 10:00 Hrs. Manual bids, shall not be accepted. Electronic Bids will be opened on **07-04-2025** at 11:30 Hrs., The tender fee (non-refundable) and earnest money of total bid (refundable) in the form of a Pay Order or Demand Draft issued by a Scheduled Bank of Pakistan in favor of Dow University of Health Sciences, Karachi should be submitted at the 5th Floor of Administration Block DMC Campus near Civil Hospital before the deadline for submission of Electronic Bids through EPADS.

In case of any unforeseen situation resulting in the closure of the office on the date of opening or if Government declares Holiday the tenders shall be submitted/opened on the next working day at the same time & venue. The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended upto date) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under "Rule-25" of said Rules.

For any query for e-bidding, contact the office of the undersigned (DMC Campus), 5th Floor Administration Block, Baba-e-Urdu Road near Civil Hospital Karachi.

DIRECTOR

Works & Services
Dow University of Health Sciences, Karachi



Office Of The Director Works & Services DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Karachi-74200 Pakistan.

Tel: 9215754-57 Ext: 5814 Website: www.duhs.edu.pk

No. DUHS/W&S/2025/1450

Dated: March 13, 2025

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	NAME OF WORK	METHOD OF PROCUREMENT
1.	"CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES) AT OJHA CAMPUS, DUHS, KARACHI" (REF NO: DUHS/W&S-NIT/179)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)

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DIRECTOR

**Works & Services
Dow University of Health Sciences, Karachi**

Daily AWAMI AWAZ

روزاني

عوامي آواز

سال 36 - شمارو 74 | جمع 14 مارچ 2025 ع 13 رمضان المبارڪ 1446 هـ | صفحا 08 - قيمت 40 روپيا

Office Of The Director Works & Services
DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Karachi-74200 Pakistan.

Tel: 9215754-57 Ext: 5814 Website: www.duhs.edu.pk

No. DUHS/W&S/2025/1450

Dated: March 13, 2025

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	NAME OF WORK	METHOD OF PROCUREMENT
1.	"CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES) AT QJHA CAMPUS, DUHS, KARACHI" (REF NO: DUHS/W&S-NIT/179)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)

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DIRECTOR

Works & Services

Dow University of Health Sciences, Karachi



Office Of The Director Works & Services DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Karachi-74200 Pakistan.

Tel: 9215754-57 Ext: 5814 Website: www.duhs.edu.pk

No. DUHS/W&S/2025/1450

Dated: March 13, 2025

TENDER NOTICE

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	NAME OF WORK	METHOD OF PROCUREMENT
1.	"CONSTRUCTION OF DOW APPNA (CENTER OF EMERGING TECHNOLOGIES) AT OJHA CAMPUS, DUHS, KARACHI." (REF NO: DUHS/W&S-NIT/179)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)

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E-Bidding documents as per detailed terms and conditions, specifications and requirements are available for the registered bidders on Sindh Public Procurement Regulatory Authority's EPADS at <https://portalsindh.eprocure.gov.pk/#/> and University website <https://duhs.edu.pk> on the payment noted above (non-refundable) on any working day except the day of opening of tenders.

The electronics bids must be submitted using EPADS before closing time **07-04-2025** at 10:00 Hrs. Manual bids, shall not be accepted. Electronic Bids will be opened on **07-04-2025** at 11:30 Hrs., The tender fee (non-refundable) and earnest money of total bid (refundable) in the form of a Pay Order or Demand Draft issued by a Scheduled Bank of Pakistan in favor of Dow University of Health Sciences, Karachi should be submitted at the 5th Floor of Administration Block DMC Campus near Civil Hospital before the deadline for submission of Electronic Bids through EPADS.

In case of any unforeseen situation resulting in the closure of the office on the date of opening or if Government declares Holiday the tenders shall be submitted/opened on the next working day at the same time & venue. The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended upto date) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under "Rule-25" of said Rules.

For any query for e-bidding, contact the office of the undersigned (DMC Campus), 5th Floor Administration Block, Baba-e-Urdu Road near Civil Hospital Karachi.

DIRECTOR

Works & Services

Dow University of Health Sciences, Karachi