

DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI



BIDDING DOCUMENTS

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

IFB / NIT No. DUHS/W&S/2024/1240, Dated: 10th Sep, 2024

**MAINTENANCE & REPAIR WORK OF DOW
UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS, DUHS, KARACHI.
(REF NO: DUHS/W&S-NIT/152)**

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INVITATION FOR BIDS



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/2024/1240

Dated: September 10, 2024

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) in appropriate category and specified codes for following works.

S. NO:	NAME OF WORK	METHOD OF PROCUREMENT
1.	CONSTRUCTION OF SEMINAR HALLS AT OJHA CAMPUS, DUHS, KARACHI. (REF NO: DUHS/W&S-NIT/151)	Single Stage – Two Envelope Procedure as per rule 46 sub rule-2 of SPP Rules 2010 (Amended upto date)
2.	MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI. (REF NO: DUHS/W&S-NIT/152)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)
3.	MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, BOYS & GIRLS HOSTEL'S, DIDC, HURAT COLONY, DMC CAMPUS, DUHS KARACHI. (REF NO: DUHS/W&S-NIT/153)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)
4.	SUPPLY, FIXING, INSTALLATION & COMMISSIONING OF (132KW & 102KW) GRID TIED SOLAR SYSTEM AT (DIDC, DMC CAMPUS) & (IBBPS, OJHA CAMPUS), DUHS, KARACHI. (REF NO: DUHS/W&S-NIT/154)	Single Stage – Two Envelope Procedure as per rule 46 sub rule-2 of SPP Rules 2010 (Amended upto date)
5.	HIRING OF MOBILE APPLICATION DEVELOPMENT SERVICES. (REF NO: DUHS/W&S-NIT/155)	Single Stage – Single Envelope Procedure as per rule 46 sub rule-1 of SPP Rules 2010 (Amended upto date)
6.	PROVIDING, FIXING, INSTALLATION AND COMMISSIONING OF 2 NOS. PASSENGER LIFTS INCLUDING ANCILLARY WORKS AT NEW GIRLS HOSTEL, OJHA CAMPUS, DUHS KARACHI. (REF NO: DUHS/W&S-NIT/156)	Single Stage – Two Envelope Procedure as per rule 46 sub rule-2 of SPP Rules 2010 (Amended upto date)
7.	SUPPLY, FIXING, INSTALLATION & COMMISSIONING OF 800 KW PRIME POWER GENERATOR AT DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, KARACHI. (REF NO: DUHS/W&S-NIT/157)	Single Stage – Two Envelope Procedure as per rule 46 sub rule-2 of SPP Rules 2010 (Amended upto date)

Electronic Bids should be submitted through EPADS only. Interested bidders are required to register themselves on the EPAD System at the link <https://sindh.eprocure.gov.pk/#/> supplier/registration for submission of electronic bids.

The bids, prepared in accordance with the instructions given in the bidding documents, must be submitted on EPADS by **26 September 2024** at 11:00 Hrs. The original instrument of tender fee Rs. 10,000/- (Non-refundable) and bid security should be submitted as per instructions provided in the bidding document the total bid value must reach the procuring agency before the deadline for submission of e-bids, which will be opened on the same day at 11:30 Hrs on EPADS.

Note:

- For any query for e-bidding may contact on Tel # + 92-21-99215754-7 (Ext. 5814), Email address: rahim.khan@duhs.edu.pk.
- In case Govt. announces any public holiday or any unfavourable circumstances the tender/bids will be submitted and opened on the next working day, at the same venue and time.
- The purchaser reserves the right to reject any/all bids under the relevant provisions of SPP Rules 2010 (update to date)
- In case of any difficulty, prospective bidders may contact the EPADS Helpline 051-111-137-237 during working days/hours.

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 Employer as defined below hereinafter called “the Employer” 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 Employer:

The Employer is “**DOW UNIVERSITY OF HEALTH SCIENCES, BABA-E-URDU ROAD, BESIDES CIVIL HOSPITAL, KARACHI,**”

Name of the Project & Summary of the Works:

“**MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI.**”

(REF NO: DUHS/W&S-NIT/152)

- 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 Employer 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:
- a. Duly licensed by the Pakistan Engineering Council (PEC) in appropriate category / code and their license should be valid for the current calendar year.
 - b. Technically and Financially capable firm having adequate managerial capacity.
 - c. Valid Registration with FBR, SRB and NTN.

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 Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

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 Employer in writing at the Employer's address indicated in the Invitation for Bids. The Employer will respond to any request for clarification which he receives earlier than (07) seven days prior to the deadline for submission of bids.

Copies of the Employer'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 Employer 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 Employer.
- 9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer 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 exchanged by a bidder and the Employer 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) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the bidder;
- (b) 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.
- (c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid Proposed Construction Schedule Appendix-F to Bid Method of Performing the Work Appendix-G to Bid List of Major Equipment Appendix-K to Bid 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 Employer 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.

- General Condition refer to page # 19-A

- 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 Employer 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 Employer'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 Employer 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 (2.5% 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 Employer 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

Employer as non-responsive.

- 154 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.
- 155 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.
- 156 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 Employer” 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.

“MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI.”

(REF NO: DUHS/W&S-NIT/152)

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 Employer, 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 literation 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.

D. SUBMISSION OF BIDS

19.1 Each bidder shall submit his bid online on SPPRA (EPADs) website.

Bear the name and identification number of the contract as defined in the Bidding Data; and
“MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI.”

(REF NO: DUHS/W&S-NIT/152)

19.2 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;
- b) All bids received shall be opened and evaluated in the manner prescribed in the Notice Inviting Tenders or bidding Document.

IB.20 Deadline for Submission of Bids

- 20.1 (a) Bids must be received by the Employer at the address specified no later than the time and date stipulated in the Bidding Data.
- (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.
- (c) Where delivery of a bid is by mail and the bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.
- (d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.
- 20.2 The Employer may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

- 21.1 (a) Any bid received by the Employer after the deadline for submission of bids prescribed in Clause IB.20 will be returned unopened to such bidder.
- (b) Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to determine the manner in which timely delivery of his bid will be accomplished either in person, by messenger or by mail.

IB.22 Modification, Substitution and Withdrawal of Bids

- 22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.
- 22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.
- 22.3 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.
- 22.4 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.

E. BID OPENING AND EVALUATION

IB.23 Bid Opening

- 23.1 The Employer will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. The bidders' representatives who are present shall sign a register evidencing their attendance.
- 23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.22 shall not be opened.
- 23.3 The bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening of bids.
- 23.4 The Consultant on behalf of Employer shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the Sub-Clause 23.3.

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 Employer'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 Employer may, at his 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 Employer 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 Employer 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; (ii) 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 Employer'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 Employer, 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 Employer for any arithmetic errors. Errors will be corrected by the Employer 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 Employer 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 Employer 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 Employer 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 Employer 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 Employer's estimate of the cost of work to be performed under the Contract, the Employer 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 Employer 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 Employer 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 Employer may also disqualify such bidder from participating in the subsequent bids who submits such unbalanced and/or unworkable rates of major items of work.

F. AWARD OF CONTRACT

IB.29 Award

- 29.1 Subject to Clauses IB.30 and IB.34, the Employer 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 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 Employer, 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 Employer's Right to accept any Bid and to reject any or all Bids

- 30.1 Notwithstanding Clause IB.29, the Employer 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 Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the

Employer 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 responsive or any other bidder shall be permitted, however, Employer 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 Employer and the bidder till signing of the formal Contract Agreement.
- 31.3 Upon furnishing by the successful bidder of a Performance Security, the Employer 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 Employer 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 Employer 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 Employer and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Employer.

IB.34 General Performance of the Bidders

The Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Employer may in case of consistent poor performance of any Bidder as reported by the employers 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 exceeding Rupees ten million. 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 Employer in providing the specific information in relation to corresponding clauses in Instructions to Bidders and should be prepared to suit each individual contract.

The Employer should provide in the Bidding Data information and requirements specific to the circumstances of the Employer, 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 Employer:

The Employer is Dow University of Health Sciences, Karachi
Phone / Fax: (9221) 9921-6065

Name of the Project & Summary of the Works:

“MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI.”
(REF NO: DUHS/W&S-NIT/152)

The work involves execution of misc. maintenance & repair, 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 Employer 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 Employer will respond to any request for clarification which he receives earlier than (07) Seven 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 Employer 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 taking into account 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 Employer 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 Employer'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 **2.5%** of Bid Price in the form of Pay Order/ Bank Draft

IB.18.4 Bid must be submitted on EPADS website**19.2(a) Employer's address for the purpose of purchase tender & submission of bid security.**

5th Floor administration building DMC Campus, Office of the Planning & Development Department (DMC Campus), Baba-e- Urdu Road near Civil Hospital DUHS, Karachi;

19.2 (a) (b) Name and number of the Contract

Bear the contract name

“MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI.”

(REF NO: DUHS/W&S-NIT/152)

IB. 20.1(a) Deadline for submission of bids:

As notified in “Invitation to Bids”

IB. 23.1 Venue, Time and Date of Bid opening:

As notified in “Invitation to Bids”

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

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 Employer 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.

CONTRACT / BIDDING DATA

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

Instructions to Bidders

Clause Reference

1.1.1 Name and address of the procuring agency:

Office of the Director Works & Services Department (DMC Campus)

Bab-e- Urdu Road near Civil Hospital DUHS,

Phone: (92-21)38771000 (Ext: 5814)

1.2 Name of the Project and Summary of the works:

“MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI.”

(REF NO: DUHS/W&S-NIT/152)

8.1 Time limit for clarification:

07 (Seven) working days prior to last date of submission

10.1 Bid language:

English

11.1 (a) Prequalification Information to be updated (where applicable):

Not applicable

11.1 (b) Furnish Company Profile for Single Stage One Envelope:

Following are minimum Mandatory requirement

i. The bidder must have at least three (03) projects done and completed in the public sector departments either government / semi-government / autonomous bodies during the last 05 years providing similar nature of works of with proper evidences e.g. work order, agreement, performance certificate etc. if the Original project is extended then it would be considered a single project only. Extension of project cannot be considered as a project.

ii. The bidder must have Average annual turnover in the preceding 3 financial years should not be less than Rs. 100 million demonstrated through annual income tax returns and audited statements.

iii. Bidder must submit undertaking on 100/- legal stamp paper confirming he is not declared black listed by any procuring agency of Pakistan if proved blacklisted his bid security shall be forfeited.

iv. Bidder must submit valid NTN, GST and SRB registration number or copy of certificates.

v. Valid P.E.C Certificate of C-4 & above Category including code CE-10.

32.3 Stamp duty

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

**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 _____ 2024

Signature: _____

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

Bidder in Block Capitals) (Seal)

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, DMC Campus Baba-e-Urdu Road Near Civil Hospital Karachi.
2	Brief Description of Works:	“MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI.” (REF NO: DUHS/W&S-NIT/152)
3	Amount of Bid Security	2.5% Amount 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	5% of the Contract price. Total amount including Performance Security and retention money deducted from bills 5% of contract price stated in Letter of Acceptance.
5	Period of Bid Validity (Days)	90 Days
6	Percentage of Retention Money	5% of the amount of the Interim / Running Payment Certificate.
7	Time and Date of Bid Opening	As Notified in NIT (Online on EPADs website)
8	Deadline for Submission of Bid along with time:	As Notified in NIT (Online on EPADs website)
9	Currency of Bid:	Pakistani Rupees.
10	Time for furnishing Program	Within 14 Days from the date of receipt of Letter of Acceptance.
11	Time for Commencement	Within 07 days from the date of receipt of Engineer’s Notice to Commence.
12	Time for Completion of Works	12 (Twelve) months from the date of receipt of Engineer’s Notice to Commence.
13	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.
14	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 in this Schedule.

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

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

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 'Employer') 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 Employer; and

WHEREAS, the Employer 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 Employer, 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 Employer, notice of which extension(s) to the Surety is hereby waived;
- (2) that the Bid Security of unsuccessful Bidders will be returned by the Employer 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 Employer 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 Employer 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 Employer 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 Employer the said sum upon first written demand of the Employer (without cavil or argument) and without requiring the Employer to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Employer by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Employer 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 Employer 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 Employer]

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 Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, 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 Employer'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 Employer, 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 Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer'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 Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer 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 Employer 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.

	_____ Guarantor (Bank)
Witness:	
1. _____	Signature _____
	Name _____
_____	Title _____
Corporate Secretary (Seal)	
2. _____	
_____	_____
Name, Title & Address	Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the “Agreement”) made on the _____ day of _____ (month) 2024 between

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

WHEREAS the Employer 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 (B, C, E to L);
 - (i) The Drawings;
 - (j) The Specifications.
 - (k) _____ (any other)
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.
4. The Employer 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 Employer

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)

BILL OF QUANTITIES

GRAND SUMMARY

MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS, DUHS, KARACHI. SUMMARY OF COST

Sr.#.	Description	Amount (Rs.)
	SCHEDULE ITEMS – (A)	
1	Civil Works	82,895,857.00
2	Premium (_____) (Above / Below)	
3	Total of Civil Schedule Works	
4	Plumbing Works	7,634,260.00
5	Premium (_____) (Above / Below)	
6	Total of Plumbing Schedule Works	
	TOTAL OF SCHEDULE WORKS (A)	
	TOTAL OF CIVIL NON-SCHEDULE WORKS – (B)	
	TOTAL AMOUNT (A+B) (RS.)	

**MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH
SCIENCES, OJHA CAMPUS, DUHS, KARACHI.
BILL OF QUANTITIES**

Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	CIVIL WORK SCHEDULE ITEM				
1	Dismantling cement block masonry. CSR-2024, Vol-III, Part-I, Ch-2, It # 14, Pg-19.	P.Cft	1,618.00	50.70	82,032.60
2	Dismantling cement concrete plain 1: 2: 4 CSR-2024, Vol-III, Part-I, Ch-2, It # 19 (c), Pg-20.	P.Cft	1,699.00	133.08	226,102.92
3	Dismantling glazed or encaustic tiles etc. CSR-2024, Vol-III, Part-I, Ch-2, It # 55, Pg-22.	P.Sft	13,170.00	31.19	410,772.30
4	Dismantling cement concrete reinforced separating reinforced cement from concrete cleaning and straightening the same. CSR-2024, Vol-III, Part-I, Ch-2, It # 20, Pg-20.	P.Cft	919.00	229.72	211,112.68
5	Removing cement or lime plaster. CSR-2024, Vol-III, Part-I, Ch-2, It # 53, Pg-22.	P.Sft	40,824.00	5.39	220,041.36
6	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m). CSR-2024, Vol-III, Part-II, Ch-II, It # A-1, Pg-148	%oCft	12,208.00	18,288.00	223,259.90
7	Jungle clearance and removing within 100 feet. CSR-2024, Vol-III, Part-I, Ch-18, It # 4, Pg-78				
	(a) Light	P.Sft	885,000.00	0.40	354,000.00
	(b) Thick.	P.Sft	885,000.00	0.79	699,150.00
8	Dismantling wooden partition Jaffrey works etc. CSR-2024, Vol-III, Part-I, Ch-2, It # 36, Pg-21	P.Sft	10,000.00	7.28	72,800.00
9	Removing door with chowket. CSR-2024, Vol-III, Part-I, Ch-2, It # 33 (a), Pg-21	P.No.	50.00	574.26	28,713.00
10	Removing Window and sky light with chowkets. CSR-2024, Vol-III, Part-I, Ch-2, It # 33 (b), Pg-21	P.No.	50.00	465.31	23,265.50
11	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, centering, shuttering and curing. (including screening and washing of shingle.) R.C.C work in roof slab, beams, column, rafts, lintels and other structural laid in situ or precast laid in position complete in all respects (i) Ratio 1 : 2: 4 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge CSR-2024, Vol-III, Part-I, Ch-4, It # 6-a (i), Pg-25	P.Cft	250.00	717.59	179,397.50

**MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH
SCIENCES, OJHA CAMPUS, DUHS, KARACHI.
BILL OF QUANTITIES**

Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
12	Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) a) Deformed bar i) Grade-60 CSR-2024, Vol-III, Part-I, Ch-4, It # 8-a (i), Pg-26	P.Cwt	19.68	18,934.02	372,621.51
13	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city /quddra / cobble shape with pigmented, having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand over a bed of 2" thick hill sand or stone dust and laying and compacting in specified manner/ pattern and design etc complete.(Pigmented) (PSI 5000 to 8500e / Tameer Works or Equivalent manufacturer) CSR-2024, Vol-III, Part-I, Ch-8, It # 68, Pg-50	P.Sft	44,052.00	211.54	9,318,760.08
14	Providing & fixing Precast Edge Block 3750 PSI Industrial Made Size 6 inches thick x 12 inches long x 18 inches high including the cost of Cartage, excavation, form Work for haunching, 1450 PSI lean concrete, 2250 PSI concrete for haunching, 1:4 cement sand mortar. CSR-2024, Vol-III, Part-IV, Ch-39, It # 14, Pg-221	P.Rft	2,500.00	678.38	1,695,950.00
15	Cement plaster 1:5 upto 12' height. Upto 20 ft (6.10 metre) height (i) 3/4" thick CSR-2024, Vol-III, Part-I, Ch-9, It # 12 (c), Pg-52	P.Sft	13,612.00	52.01	707,960.12
16	Providing and laying 1" thick topping of cement concrete (1:2:4) including Surface finishing and dividing into panels: (i) 3" Thick CSR-2024, Vol-III, Part-IV, Ch-8, It # 16 (d), Pg-45	P.Sft	39,000.00	145.00	5,655,000.00
17	Providing and fixing in position doors, windows and ventilators of first class deodar wood frames, and 1-1/2" thick Teak wood-ply shutters of 2nd class deodar wood skeleton (Solid) stylesand rails core of partial wood and Teak ply wood (3 ply) on both sides including hold fasts, hinges, iron tower bolts, handles and cleats with cord etc, complete. CSR-2024, Vol-III, Part-I, Ch-10, It # 57, Pg-60	P.Sft	903.00	2,686.73	2,426,117.19
18	P/F approved quality of door closer in/c fixing on door with screws and adjusting speed on required etc complete. CSR-2024, Vol-III, Part-I, Ch-18, It # 117, Pg-87	P.Nos.	150.00	13,188.24	1,978,236.00
19	Providing & fixing colour crete jto wall surface to provide, durable crust and aesthetics having thickness upto 3/4" with specified colour having water, fire and temite resistance (upto 20' -0 height). CSR-2024, Vol-III, Part-I, Ch-9, It # 40, Pg-54	P.Sft	2,837.00	117.32	332,836.84
20	Preparing the surface and painting with plastic emulsion paint of approved make I/c rubbing the surface with sand Paper, filling the voids with chalk / plaster of paris and then painting etc. complete. Three Coat CSR-2024, Vol-III, Part-I, Ch-9, It # 44, Pg-54	P.Sft	118,050.00	38.71	4,569,715.50

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Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
21	Preparing the surface & painting with matt finish paint of approved make to old matt finish surface. CSR-2024, Vol-III, Part-I, Ch-9, It # 37.A, Pg-54	P.Sft	198,546.00	30.29	6,013,958.34
	2nd & subsequent coat. CSR-2024, Vol-III, Part-I, Ch-9, It # 37.B, Pg-54	P.Sft	198,546.00	27.06	5,372,654.76
22	Preparing the surface and painting with weather coat of approved make to old weather coat surface CSR-2024, Vol-III, Part-I, Ch-9, It # 39.A, Pg-54	P.Sft	87,950.00	33.00	2,902,350.00
22.1	2nd & subsequent coat. CSR-2024, Vol-III, Part-I, Ch-9, It # 39.B, Pg-54	P.Sft	87,950.00	21.55	1,895,322.50
23	Painting doors & windows any type CSR-2024, Vol-III, Part-I, Ch-11, It # 4-c (i), Pg-62	P.Sft	14,240.00	13.62	193,948.80
23.1	Each Subsequent Coat CSR-2024, Vol-III, Part-I, Ch-11, It # 4-c (ii), Pg-62	P.Sft	14,240.00	9.74	138,697.60
24	Providing and fixing G.I frames /Choukhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet I/c welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also i/c all carriage , tools and plants used in making and fixing. CSR-2024, Vol-III, Part-I, Ch-17, It # 29, Pg-76				
	a) 2" x 7 1/2"	P.Rft	1,020.00	690.67	704,483.40
25	Providing and laying 1 : 3 : 6 Cement concrete solid Block masonry wall above 6" in thickness set in 1 : 6 cement mortar in G.F ground floor superstructure including raking out joints & curing etc, complete. CSR-2024, Vol-III, Part-I, Ch-4, It # 23, Pg-27	P.Sft	1,679.00	493.79	829,073.41
26	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 & curring etc, complete CSR-2024, Vol-III, Part-I, Ch-4, It # 24, Pg-27	P.Sft	1,582.00	514.82	814,445.24
27	French polishing complete. (old work) CSR-2024, Vol-III, Part-I, Ch-11, It # 7(b), Pg-63	P.Sft	15,650.00	33.42	523,023.00
28	P/Applying Hi Bond (Sealer) water proofing polymer Modified comontitions slurries (WPMCS) to be used as water proofing, anticorrosion, weather resistance or curring membrane for fresh concrete having thickness upto 2mm in two coats upto 20' height testured or trowel finish grey or coloured i/c preparing the surface for application as directed by Engineer Incharge. CSR-2024, Vol-III, Part-I, Ch-4, It # 7(i), Pg-25	P.Sft	8,607.00	56.71	488,102.97

**MAINTENANCE & REPAIR WORK OF DOW UNIVERSITY OF HEALTH
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BILL OF QUANTITIES

Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
29	Supplying & fixing in position Aluminum channels framing for hinged doors, office partition i/c with 5 mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks I/c handles, stoppers etc CSR-2024, Vol-III, Part-I, Ch-18, It # 83(b), Pg-83	P.Sft	1,111.00	1,656.14	1,839,971.54
30	Supplying & fixing in position Aluminum channels framing for sliding windows & ventilators of made with 5 mm thick tinted glass glazing (Belgium) & Aluminum fly screen I/c handles stoppers & locking arrangement etc. complete. CSR-2024, Vol-III, Part-I, Ch-18, It # 84(a/b), Pg-83	P.Sft	1,601.00	2,386.73	3,821,154.73
31	Providing & Laying Full Body Porcelain Tile in Flooring or Facing of Approved Design Set in Gry Cement Motor 1:2 or of 3/4" Thickness I/C Washing & Joints With White Cement Slurry Using Colour Pigment for matching complete as per Specification CSR-2024, Vol-III, Part-I, Ch-8, It # 28(ix), Pg-46				
	a) Flooring	P.Sft	22,466.00	429.57	9,650,719.62
	b) Wall Dado	P.Sft	2,106.00	429.57	904,674.42
32	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 mortar 3/4" thick including grouting with matching color and finishing CSR-2024, Vol-III, Part-I, Ch-8, It # 25, Pg-46				
	a) Wash Rooms Flooring	P.Sft	8,607.00	325.40	2,800,717.80
33	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 mortar 3/4" thick including grouting with matching color and finishing. CSR-2024, Vol-III, Part-I, Ch-8, It # 24, Pg-45				
	a) Wash Rooms Wall Dado	P.Sft	15,792.00	389.36	6,148,773.12
34	Making and fixing fiber glass sun shade standard size 3mm sheet (02 layer) molded in panel in/c M.S Pipe 6" dia 20' height at 20' center fixing C.C foundation with M.S Square pipe 1-1/2" x 1-1/2" double kanchi around from with internal M.S Square pipe 2x2 center to center in/c welding assembling etc complete in all respect CSR-2024, Vol-III, Part-I, Ch-18, It # 119, Pg-87	P.Sft	1,017.00	2,041.46	2,076,164.82
35	Coloured cement tiles (Pattern 12" x 12" x 1" of approved shade and pattern laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2. CSR-2024, Vol-III, Part-I, Ch-7, It # 54, Pg-48	P.Sft	4,809.00	176.10	846,864.90
36	Providing & fixing false ceiling of thermopile in panels of required design and size including frame work of Aluminum T-section hanged with nail wire to ceiling etc: completed. CSR-2024, Vol-III, Part-I, Ch-7, It # 43, Pg-43	P.Sft	13,377.00	216.75	2,899,464.75

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Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
37	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	4,865.00	461.14	2,243,446.10
	TOTAL FOR CIVIL SCHEDULE WORKS				82,895,857.00
	ADD PREMIUM ON SCHEDULE ITEMS @ (_____) ABOVE/BELOW				
	TOTAL FOR CIVIL SCHEDULE WORKS				

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BILL OF QUANTITIES**

Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
PLUMBING WORK 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	28	44244.72	1238852.16
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	20	11282.90	225658.00
3	Providing and fixing 24"x18" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever bracket 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1-1/2" dia chrome plated pillar taps, 1-1/2" rubber plug & chrome plated brass chain 1-1/4" dia malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4 (Foreign Equivalent) CSR-2024, Vol-III, Part-III, Ch-01, It # 10, Pg-187	Each	16	24094.98	385519.68
4	Providing and fixing flat black lipped from urinal basin (of not less than 17" in height) of white glazed earthen ware complete with & including the cost of 1 gallon C.I. automatic flushing cistern with fittings, a pot cock C.I. or W.I. brackets standard flush pipe with fitting standard waste pipe (enameled iron) connection complete and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4.(Foreign or equivalent) CSR-2024, Vol-III, Part-III, Ch-01, It # 7, Pg-187	Each	4	4815.14	19260.56
5	Providing and fixing 24"x18"x8" white glazed fire clay sinks complete with C.I. or W.I. bracket 6 inches built into walls, 1-1/2" rubber plug and chrome plated brass chain 1-1/2" C.P. brass washer 1-1/2" dia malleable iron or C.P. brass trap with malleable iron or brass union & making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4 (Foreign or equivalent). CSR-2024, Vol-III, Part-III, Ch-01, It # 18, Pg-188	Each	10	22617.27	226172.70
6	Supplying & fixing C.P muslim shower with double bib cock and ring pipe etc. complete CSR-2024, Vol-III, Part-III, Ch-06, It # 19-A, Pg-199	Each	151	5475.60	826815.60
7	Supplying & Fixing in Position C.P bib. CSR-2024, Vol-III, Part-III, Ch-06, It # 2 (b), Pg-197	Each	86	1134.90	97601.40
8	S/fixing concealed Tee-stop cock of superior quality with Crystal head 1/2" dia CSR-2024, Vol-III, Part-III, Ch-06, It # 12 (b), Pg-198	Each	155	1673.10	259330.50

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BILL OF QUANTITIES**

Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
9	S/fixing concealed stop cock of superior best quality with C.P.head 1/2" dia CSR-2024, Vol-III, Part-III, Ch-06, It # 11 (b), Pg-198	Each	85	1848.60	157131.00
10	Fixing floor traps of sizes with grating including cutting and making good the requisite number of holes in walls, plinth and floors and making good in 1:2:4 C.C. CSR-2024, Vol-III, Part-III, Ch-11, It # 9, Pg-204	P.Rft	80	1170.00	93600.00
11	Providing, Laying UPVC Pressure Pipes of Class 'B' (equivalent make) fixing in trench i/c cutting, fitting and jointing with 'Z' joint with one rubber ring i/c testing with water to a head 61meter or 200 ft. CSR-2024, Vol-III, Part-II,				
	a) 4" Dia for Single Attached Lavatory Ch-II, It # 9 (b), Pg-110	P.Rft	550	384.82	211651.00
	b) 3" Dia for Single Attached Lavatory Ch-II, It # 9 (a), Pg-110	P.Rft	800	255.18	204144.00
12	Providing G.I. pipes specials and clamps etc. including fixing cutting and fittings complete with and including the cost of breaking through walls and roof making good etc. painting 2 coats after cleaning the pipe etc. with white zinc paint with pigment to match the colour of the building and testing with water to a pressure bead of 200 feet and handling. CSR-2024, Vol-III, Part-III,				
	a) 1/2" Dia pipe Ch-4, It # 1 (i), Pg-193	P.Rft	164	275.55	45190.20
	b) 3/4" Dia pipe Ch-4, It # 1 (ii), Pg-193	P.Rft	82	334.05	27392.10
	c) 1" Dia pipe Ch-4, It # 1 (iii), Pg-193	P.Rft	49	503.70	24681.30
	d) 1-1/2" Dia pipe Ch-4, It # 1 (v), Pg-193	P.Rft	49	731.85	35860.65
	e) 2" Dia pipe Ch-4, It # 1 (vi), Pg-193	P.Rft	49	977.55	47899.95
13	Providing UPVC. pipes specials and clamps etc. including fixing cutting and fittings complete with and including the cost of breaking through walls and roof making good etc. with pigment to match the colour of the building and testing with water to a pressure bead of 200 feet and handling. CSR-2024, Vol-III, Part-III,				
	a) 1/2" Dia pipe Ch-4, It # 2 (i), Pg-193	P.Rft	329	159.30	52409.70
	b) 3/4" Dia pipe Ch-4, It # 2 (ii), Pg-193	P.Rft	395	199.83	78932.85
	c) 1" Dia pipe Ch-4, It # 2 (iii), Pg-193	P.Rft	493	272.35	134268.55
	e) 2" Dia pipe Ch-4, It # 2 (iv), Pg-193	P.Rft	576	836.36	481743.36
14	Providing chambers 9"x6" (inside dimension) x24" deep for stop cocks and valves etc. with 6" thick C.C 1:2:4 cast in situ walls, 6" thick C.C. 1:3:6 in foundation, " thick cement plaster 1:3 all inside wall surfaces and to top 1" thick C.C. 1:2:4 flooring complete with hinges cast iron cover and frame 9"x6" (inside) clear opening (Wt ½ qr) etc. fixed in cement concrete 1:2:4 i/c. curing excavation, backfilling and disposal of earth etc. CSR-2024, Vol-III, Part-III, Ch-7, It # 1, Pg-200	Each	66	8532.66	563155.56

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Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
15	Providing chambers 15"x19" (inside dimension) x24" deep for house meters with 6" thick C.C. 1:2:4 blocks set in 1:6 cement mortar 6" thick C.C. 1:4:8 in foundation, " thick cement plaster 1:3 to all inside wall surfaces and to top 1" thick C.C. 1:2:4 fl. CSR-2024, Vol-III, Part-III, Ch-7, It # 2, Pg-200	Each	66	9051.80	597418.80
16	Providing and laying of U-PVC Pipe of class 'B' suitable for external drainage work buried in ground under roads crossing as per specification with excavating trench for laying of pipe, bricks, warning tape, and back filling with new and fresh sand (4" below pipe and sides with leveling stacks), compaction and plugging of pipe ends etc complete CSR-2024, Vol-III, Part-II,				
	a) 12" Dia pipe Ch-II, It # D-1 (g), Pg-200	P.Rft	164	2382.47	390725.08
	b) 8" Dia pipe Ch-II, It # D-1 (e), Pg-200	P.Rft	329	1113.10	366209.90
	c) 6" Dia pipe Ch-II, It # D-1 (d), Pg-200	P.Rft	1151	732.09	842635.59
	TOTAL FOR PLUMBING SCHEDULE WORKS				7,634,260.00
	ADD PREMIUM ON SCHEDULE ITEMS @ () ABOVE/BELOW				
	TOTAL FOR PLUMBING SCHEDULE WORKS				

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SCIENCES, OJHA CAMPUS, DUHS, KARACHI.
BILL OF QUANTITIES**

Sr.#.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
CIVIL NON-SCHEDULE WORKS					
1	Supplying & fixing in position imported fixed Glass partitions with 12 mm thick tinted glass glazing (Belgium)with necessary frame channel of aluminum as per instruction/approval of engineer In-charge complete in all respect	P.Sft	1500		
2	Supplying & fixing in position 12 mm Glass doors (tempered) i/c flooring machine (make JB saeed) & locking arrangement , as per design & specifications , complete in all respects, as per instructions of Engineer Incharge	P.Sft	625		
3	Supplying & fixing frosted paper for Aluminum Partitions & doors or wherever required , complete in all respects, as per instructions of Engineer Incharge.	P.Sft	5000		
4	Preparing surface and Applying water proofing chemical 1st primary coat of 26 AC 10/55 chemical and then heavy rich coat with canvas cloth and in last two coats of same chemical etc complete in all respects as per directives of Engineer Incharge.	P.Sft	25933		
TOTAL FOR CIVIL NON-SCHEDULE WORKS					