Standard Bidding Document

Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad (Works)

National

Single Stage-One Envelope

November 03, 2026

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REQUEST FOR BIDS

PROCUREMENT OF CIVIL WORKS

1. The **Allama Iqbal Open University (Directorate of Works)** has reserved Funds for the procurement planned for FY **2026-27**. The **Allama Iqbal Open University (Directorate of Works)** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the " **Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad**" with the reference of "**P178581**".

2. The **Allama Iqbal Open University (Directorate of Works)** invites sealed Bids from eligible Bidders for procurement of Works **(Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad)** described in the bidding documents on **EPADS v2.0**.

3. **Single Stage-One Envelope** will be used by adopting **Quality and Cost Based Selection (QCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2026 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.

4. All Bids must be accompanied by a Bid Security amount described in Bid Security Section in Bidding Document in the form of **Pay Order, Call at Deposit, Bank Guarantee**. Or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents

5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **https://epads.gov.pk/opportunities/federal/procurements/178581** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.

6. The e-bids, prepared in accordance with the instructions in the e-Bidding documents, must be submitted through **EPADS v2.0** on or before **Wednesday, November 18, 2026 11:00 AM**. E-bids will be opened by using **EPADS v2.0** on the same day at **Wednesday, November 18, 2026**

11:30 AM. Manual submission of Bids shall not be entertained. Those vendor who have not yet registered on the new version of **EPADS v2.0**, may register themselves on **https://vendors.epads.gov.pk/**. A tutorial to explain the registeration process is available at **https://www.youtube.com/watch?v=MNW6T38v7tc.**

In terms of Rules 65 of Public Procurement Rules, 2026 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (**www.ppra.org.pk**).

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Instructions to Bidders

A. INTRODUCTION

1. **Scope of Bid**

1.1. The Procuring agency/Employer (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the execution of Works as specified in the BDS and Section V- Works Requirements. The name, identification, and number of lots (contracts) of this National/ International Competitive Bidding process are specified in the BDS.

2. **Source of Funds**

2.1. Source of funds as referred in Clause 2 of Bid Data Sheet.

3. **Eligible Bidders**

3.1. A bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country, or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture or consortium. In the case of a joint venture or consortium, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture or consortium shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture or consortium during the Bidding process, and in case of award of contract, during the execution of contract. Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with any instructions issued by the Authority.

(The limit on the number of members of JV or Consortium may be prescribed

in BDS, in accordance with the guidelines issued by the PPRA).

3.2. The invitation for bids is open to all prospective bidders subject to any provisions of incorporation or licensing by the respective national/ international incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidder keeping in view the requirement of that business.

3.3. A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidders may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

3.3.1. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring agency/Employer to provide consulting services for the preparation of design or technical specifications of the works that are the subject of the bid; or

3.3.2. have controlling shareholders in common; or

3.3.3. receive or have received any direct or indirect subsidy from any of them; or

3.3.4. have the same legal representative for purposes of this Bid; or

3.3.5. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the Procuring agency/Employer regarding this Bidding process; or

3.3.6. Submit more than one bid in this bidding process.

3.4. A Bidder may be ineligible if –

3.4.1. he is declared bankrupt or, in the case of company or firm, insolvent;

3.4.2. payments in favor of the bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3.4.3. the bidder is convicted, by a final judgment of a Court of Law or relevant Professional Statuary Body, of any offence involving professional conduct;

3.4.4. The bidder is debarred/ blacklisted by a national level Procuring agency/Employer and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of bid securing declaration.

3.5. As and when required, bidders shall provide to the Procuring agency/Employer evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.

3.6. Bidders shall submit proposal relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract is envisaged.

4. **Eligible Material and Equipment**

4.1. All the material and equipment to be mobilized under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such materials and equipment. For this purpose, ineligible countries are stated in the section-IV titled as “Eligible Countries”.

B. BIDDING DOCUMENTS

5. **Contents of Bidding Documents**

5.1. The scope of Works, bidding procedures, and terms and conditions of the contract are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents which should be read in

conjunction with any addenda issued in accordance with ITB 7.1 include:

Section I -Invitation for Bids

Section II Instructions to Bidders (ITBs)

Section III Bid Data Sheet (BDS)

Section IV Eligible Countries

Section V Evaluation and Qualification Criteria

Section VI Works Requirements Technical Specifications & Schedule of Requirements

Section VII Standard Bidding Forms

Section VIII General Conditions of Contract (GCC)

Section IX Particular Conditions of Contract (PCC)

Section X Contract Forms

5.2. The bidder is expected to examine all instructions, forms, specifications, terms and conditions prescribed in the bidding documents. Failure to furnish all the information required in the bidding documents will be at the bidder’s risk and may result in the rejection of his bid.

6. **Clarification of Bidding Document, Pre-bid Meeting**

6.1. A prospective bidder requiring any clarification of the bidding document may notify the Procuring agency/Employer through EPADS.

6.2. The Procuring agency/Employer shall respond to the request for clarification in accordance with Rule 31 of the Public Procurement Rules 2004.

6.3. Should the Procuring Agency deem it necessary to amend the BIDDING document as a result of a clarification, it shall do so following the procedure under ITB 7.

6.4. If indicated in the BDS, the bidder’s designated representative is invited at the bidder’s cost to attend a pre-bid meeting at the place, date and time mentioned in the BDS. During this pre-bid meeting, prospective bidders may request clarification of the schedule of requirement, the evaluation criteria or any other aspects of the bidding documents.

6.5. Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be uploaded on EPADS. Any modification to the bidding documents that may become necessary as a result of the pre-bid meeting shall be made by the Procuring agency/Employer exclusively through the use of an Addendum pursuant to ITB 7. Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

6.6. The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the bidder's own expense.

6.7. The bidder and any of its authorized personnel will be granted permission by the Procuring agency/Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the bidder and its personnel will release and indemnify the Procuring agency/Employer from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

7. **Amendment of Bidding Documents**

7.1. The procuring agency may issue notification of any change, addition, modification or deletion in accordance with Rule 23 of the Public Procurement Rules 2004 i.e. Bidding Documents.

7.2. To give prospective bidders reasonable time in which to take an addendum/corrigendum into account in preparing their bids, the Procuring agency/Employer may, at its discretion, extend the deadline for the submission of bids:

Provided that the Procuring agency/Employer shall extend the deadline for submission of bid in pursuance of Rule 27 of the Public Procurement Rules 2004, i.e. Extension of time for submission of bids, if such an addendum is

issued within last three (03) days of the bid submission deadline.

C. PREPARATION OF BIDS

8. **Language of Bid**

8.1. The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the Procuring agency/Employer shall be written in the English language unless specified in the BDS. Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless specified in the BDS, in which case, for purposes of interpretation of the bidder, the translation shall govern.

9. **Documents Constituting the Bids**

9.1. The Bids prepared by the Bidder shall constitute of all the documents required in the BDS.

10. **Documents Establishing Eligibility of Material, Equipment and Works, their Conformity to Bidding Documents**

10.1. The bid prepared by the bidder shall constitute the following components: -

10.1.1. Documentary evidence established in accordance with ITB 10 that the material and equipment to be utilized by the Bidder for the executions of works are eligible material and equipment and conform to the Bidding Documents;

10.1.2. Documentary evidence established in accordance with ITB 11 that the bidder has been authorized to carry out the Construction works;

10.1.3. Documentary evidence established in accordance with ITB 11 that the bidder is eligible and/or qualified for the subject bidding process;

10.1.4. Form of Bid and Bid Prices completed in accordance with ITB 12 and 13;

10.1.5. Completed schedules as required, including priced Bill of Quantities in accordance with ITB 13.

10.1.6. Technical Proposal completed in all aspects in accordance with ITB-15.

10.1.7. Bid security or Bid Securing Declaration furnished in accordance with ITB 17;

10.1.8. Any other document required in the BDS.

10.2. In addition to the requirements, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.

10.3. The bidder shall furnish, as part of its bid, all those documents establishing the eligibility in conformity to the terms and conditions specified in the bidding documents for all material, equipment and works which the bidder proposes to execute.

10.4. The documentary evidence of conformity of the material, equipment and works to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of:

10.4.1. a detailed description of the work methodology, approach, schedule and resources to be mobilized at site;

10.4.2. an item-by-item commentary on the Procuring agency/Employer’s Technical Specifications demonstrating substantial responsiveness of the material, equipment and works to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications;

10.4.3. any other procurement specific documentation requirement as stated in the BDS.

10.5. The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation into English shall be attached to the original version.

11. **Documents Establishing Eligibility and Qualification of the Bidder**

11.1. The bidder shall furnish, as part of its bid, all those documents establishing the bidder's eligibility to participate in the bidding process and/or its qualification to perform the contract if its bid is accepted.

11.2. The documentary evidence of the bidder's eligibility to bid shall establish to the satisfaction of the Procuring agency/Employer that the bidder, at the time of submission of its bid, is from an eligible country as defined in Section-IV titled as "Eligible Countries".

11.3. The documentary evidence of the bidder's qualification to perform the contract if its bid is accepted shall establish to the satisfaction of Procuring agency/Employer that:

11.3.1. The bidder has the financial and technical capability necessary to perform the Contract, meets the qualification criteria specified in Section-V, Evaluation and Qualification Criteria and BDS.

11.3.2. In the case of a bidder not doing business within Pakistan, the bidder is or will be (if awarded the contract) represented by a local bidder (Joint Venture) in accordance with the PEC works bylaws, and in case of award of works such foreign firm is required to participate in the execution of works to carry out its obligations as prescribed in the Conditions of Contract and /or Technical Specifications.

11.3.3. That the bidder meets the qualification criteria listed in Section-V, Evaluation and Qualification Criteria and BDS.

12. **Forms of Bid**

12.1. The Bidder shall fill the Form of Bids furnished in the bidding documents. The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

13. **Bid Prices**

13.1. The bid prices quoted by the bidder in the Standard bid Forms, Bill of Quantities and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the bidding documents.

13.2. The bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. If a Price Schedule shows items listed but not priced, their prices shall be construed to be included in the prices of other items in the Bill of Quantities and will not be paid for separately by the Procuring agency/Employer.

13.3. Items not listed in the Price Schedule shall be assumed not to be included in the bid, and provided that the bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive bidder(s) shall be construed to be the price of those missing item(s):
Provided that:

13.3.1. where there is only one (substantially) responsive bidder, or

13.3.2. where there is provision for alternate proposals and the respective items are not listed in the other bids,
The Procuring agency/Employer may fix the price of missing items in accordance with market survey, and the same shall be considered as final price.

13.4. The Bid price to be quoted in the Form of Bid in accordance with ITB 12 shall be the total price of the bid.

13.5. Unless otherwise specified in the BDS and the Contract, the rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the

Conditions of Contract.

13.6. If so specified in ITB 1.1, bids may be invited for individual lots (contracts) or for any combination of lots (packages).

13.7. Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and shall be rejected, pursuant to ITB 27, unless otherwise price adjustment is permissible under Conditions of the Contract.

13.8. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date twenty-eight (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 the bidder.

14. **Currencies of Bid and Payment**

14.1. Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS. Comparison of bids and tie of bid shall be treated in accordance with the Rule 30(2) of Public Procurement Rules, 2004.

15. **Documents Comprising the Technical Proposal**

15.1. The bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section VII – Standard Bid Forms, in sufficient detail to demonstrate the adequacy of the bidder's proposal to meet the work requirements and the completion time.

16. **Bid Validity Period**

16.1. Bids shall remain valid for the period specified in the BDS after the bid submission deadline prescribed by the Procuring agency/Employer. A bid valid for a shorter period shall be rejected by the Procuring agency/Employer as non-responsive. The period of bid validity will be determined from the complementary bid securing instrument i.e. the expiry period of bid security or bid securing declaration as the case may be.

16.2. Under exceptional circumstances, prior to the expiration of the initial Bids/Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids/Bid. Such request for extension of the period of bid validity shall be carried out in accordance with Rule 26 of the Public Procurement Rules, 2004.

17. **Bid Security or Bid Securing Declaration**

17.1. Pursuant to ITB 11.1 unless otherwise specified in the BDS, the bidder shall furnish as part of its bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004 in the amount and currency specified in the BDS or Bid Securing Declaration as specified in the BDS in the format provided in Section VII (Standard Bidding Forms).

In case Procuring agency/Employer is inviting bids in lots / packages, the bidder shall be required to submit his bid security against the respective lot/ package for which he is submitting his bid.

Until the development of functionality of auto verification of financial instrument in EPADS, the scanned copy of bid security or bid securing declaration, as the case may be, shall be uploaded on E-PADS whereas the original instrument to be submitted to the procuring agency before closing of bid submission deadline,

17.2. The Bid Security shall be denominated in the local currency or in another freely convertible currency, and it shall be in the form specified in the **BDS** which shall be in any of the following:

17.2.1. A bank guarantee, an irrevocable letter of credit issued by a Scheduled bank in the form provided in the Bidding Documents or another form acceptable to the Procuring agency/Employer and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bid Validity is extended. In either case, the form must include the complete name of the bidder;

17.2.2. A cashier's or certified cheque; or

17.2.3. Another security as indicated in the **BDS**.

17.3. The Bid Security or Bid Securing Declaration shall be in accordance with the Form of the Bid Security or Bid Securing Declaration included in Section VII (Standard Bidding Forms) or another form approved by the Procuring agency/Employer prior to the bid submission.

17.4. The Bid Security shall be payable promptly upon written demand by the Procuring agency/Employer in case any of the conditions listed in ITB 17.9 are invoked.

17.5. Any bid not accompanied by a Bid Security or Bid Securing Declaration in accordance with ITB 17.1 or 17.3 shall be rejected by the Procuring agency/Employer and shall be declared as non-responsive bid, pursuant to ITB 27.

17.6. Unsuccessful bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the Procuring agency/Employer pursuant to ITB 16. The Procuring agency/Employer shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:

17.6.1. The expiry of the Bid Security;

17.6.2. The entry into force of a procurement contract and the provision of a performance security (or guarantee), for the performance of the contract if such a security (or guarantee), is required by the Biding documents;

17.6.3. The rejection by the Procuring agency/Employer of all Bids;

17.6.4. The withdrawal of the bid prior to the deadline for the submission of bids, unless the biding documents stipulate that no such withdrawal is permitted.

17.7. The successful bidder's Bid Security will be discharged upon the bidder signing the contract pursuant to ITB 40, or furnishing the performance security (or guarantee), pursuant to ITB 41.

17.8. The Bid Security may be forfeited or the Bid Securing Declaration executed:

17.8.1. if a Bidder:

17.8.1.1. Withdraws its Bid during the period of Bid Validity as specified by the Procuring agency/Employer, and referred by the bidder on the Form of Bid except as provided for in ITB 16.2; or

17.8.2. In the case of a successful bidder, if the bidder fails:

17.8.2.1. to sign the contract in accordance with ITB 40; or

17.8.2.2. to furnish performance security (or guarantee) in accordance with ITB 41.

17.9. In case of Bid Security issued by the foreign bank is allowed by the Procuring agency/Employer, the same should be counter guaranteed by a corresponding bank in Pakistan. Furthermore, in case of joint venture, it should be in the name of Joint venture to ensure joint responsibility. In case the JV is not legally constituted at the time of bid submission, the bid security or bid securing declaration shall be in the names of all future members as named in the letter of bid.

18. **Withdrawal of Bids**

18.1. Before bid submission deadline, any bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and the corresponding must accompany the respective written notice.

19. **Format and Signing of Bid**

19.1. The Bidder shall prepare and submit Bids through EPADS with due diligence after carefully reading all the terms and condition before bid submission deadline.

D. SUBMISSION OF BIDS

20. **Submission of Bids through EPADS v2.0**

20.1. All bids shall be submitted through EPADS v2.0.

21. **Deadline for Submission of Bids**

21.1. All bids shall be received through **EPADS v2.0** not later than bid submission deadline as specified in the **BDS**.

21.2. The Procuring agency/Employer may, under exceptional circumstances and at its discretion, extend the deadline for the submission of bids, pursuant to Rule 27 of the Public Procurement Rules, 2004. Extension of Time for submission of bid, by amending the Bidding Documents in accordance with ITB 7, in which case all rights and obligations of the Procuring agency/Employer and bidders previously subject to the deadline will thereafter be subject to the new deadline.

22. **Substitution and Modification of bids**

22.1. A bidder may substitute or modify his bid after it has been submitted, provided that written notice of the substitution or modification of the bid, is received by the Procuring agency/Employer prior to the deadline for submission of bids.

22.2. Revised bid may be submitted after the substitution or modification made in the original bid in accordance with the provisions referred in **ITB 18** .

E. OPENING AND EVALUATION OF BIDS

23. **Opening of Bids**

23.1. The Procuring Agency will open bids in accordance with Rule 28 of the Public Procurement Rules, 2004 and as specified in the BDS.

24. **Confidentiality**

24.1. Information relating to the examination, clarification, evaluation and comparison of bids and recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with such process until the time of the announcement of the respective evaluation report.

25. **Clarification of Bids**

25.1. Clarification of Bidding Documents shall be carried out in accordance with Rule 31 of the Public Procurement Rules, 2004.

25.2. The alteration or modification in the bid which in any case affect the following parameters will be considered as a change in the substance of a bid:

25.2.1. evaluation & qualification criteria;

25.2.2. required scope of work;

25.2.3. contract price;

25.2.4. all securities requirements;

25.2.5. tax requirements;

25.2.6. terms and conditions of bidding documents.

25.2.7. change in the ranking of the bidder

26. **Preliminary Examination of Bids**

26.1. Prior to the detailed evaluation of bids, the Procuring agency/Employer will determine whether each bid:

26.1.1. meets the eligibility criteria defined in **ITB 3** and **ITB 4**;

26.1.2. has been prepared as per the format and contents defined by the Procuring agency/Employer in the bidding documents;

26.1.3. has been properly signed;

26.1.4. is accompanied by the required securities; and

26.1.5. is substantially responsive to the requirements of the bidding documents.

The Procuring agency/Employer's determination of a bid's substantial responsiveness will be based on the contents of the bid itself.

26.2. A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one that: -

26.2.1. affects in any substantial way the scope, quality, or performance of the Works;

26.2.2. limits in any substantial way, inconsistent with the bidding documents, the Procuring agency/Employer's rights or the bidders' obligations under the Contract; or

26.2.3. if rectified, would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3. The Procuring agency/Employer will confirm that the documents and information specified under ITB 9, 10 and 11 have been provided in the bid. If any of these documents or information is missing, or is not provided in accordance with the Instructions to Bidders, the bid shall be rejected.

26.4. The Procuring agency/Employer may waive-off any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

Explanation: A minor informality, non-conformity or irregularity is one that is merely a matter of form and not of substance. It also pertains to some immaterial defect in a Bid or variation of a bid from the exact requirements of the invitation that can be corrected or waived without being prejudicial to other bidders. The defect or variation is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the works. The Procuring agency/Employer either shall give the bidder an opportunity to cure any deficiency resulting from a minor

informality or irregularity in a bid or waive the deficiency, whichever is advantageous to the Procuring agency/Employer. Examples of minor informalities or irregularities include failure of a bidder to –

26.4.1. *Submit the number of copies of signed bids required by the invitation;*

26.4.2. *Furnish required information concerning the number of its employees;*

26.4.3. *the firm submitting a bid has formally adopted or authorized, before the date set for opening of bids, the execution of documents by typewritten, printed, or stamped signature and submits evidence of such authorization and the bid carries such a signature.*

26.5. Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer may request the bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any such aspect of the technical Proposal linked with the ranking of the bidders. Failure of the bidder to comply with the request may result in the rejection of its bid.

26.6. Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer shall rectify quantifiable nonmaterial nonconformities or omissions related to the Financial Proposal. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or nonconforming item or component.

26.7. If a bid is not substantially responsive, it will be rejected by the Procuring agency/Employer and may not subsequently be evaluated for complete technical responsiveness.

27. **Examination of Terms and Conditions; Technical Evaluation**

27.1. The Procuring agency/Employer shall examine the bid to confirm that all terms and conditions specified in the **GCC** and the **PCC** have been

accepted by the bidder without any material deviation or reservation.

For this purpose:

“Deviation” means departure from the requirements specified in the Bidding Document.

“Reservation” means setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document.

27.2. The Procuring agency/Employer shall evaluate the technical aspects of the bid submitted in accordance with ITB 30, to confirm that all requirements specified in Section VI – Works Requirement, Technical Specifications of the Bidding Documents have been met without material deviation or reservation.

27.3. If after the examination of the terms and conditions and the technical evaluation, the Procuring agency/Employer determines that the bid is not substantially responsive in accordance with ITB 27, it shall reject the bid.

28. **Correction of Arithmetic Errors**

28.1. Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

28.1.1. if there is a discrepancy between unit prices and the sub-total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the sub-total price shall be corrected, unless in the opinion of the Procuring agency/Employer there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;

28.1.2. if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail, and the total shall be corrected; and

28.1.3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

28.1.4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

28.2. The amount stated in the Bid will, be rectified by the Procuring agency/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 amount, its bid shall be rejected after forfeiture of Bid Security or execution of the Bid Securing Declaration, as the case may be, in accordance with **ITB 41.3**.

29. **Conversion to Single Currency**

29.1. The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works from outside the Procuring agency/Employer's country (referred to as the "Foreign Currency Requirements") shall indicate the same in the letter of bid-financial proposal. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid. Comparison of bids quoted in different currencies and conversion of bids into a single currency shall be carried out in accordance with Rule 30(2) of the Public Procurement Rules, 2004**.**

30. **Evaluation of Bids**

30.1. The Procuring agency/Employer shall evaluate and compare only the bids determined to be substantially responsive, pursuant to **ITB 27**.

30.2. In evaluating the Technical Proposal of each Bid, the Procuring agency/Employer shall use the criteria and methodologies listed in the BDS

and in terms of works requirement. No other evaluation criteria or methodologies shall be permitted.

30.3. The Procuring agency/Employer's evaluation of a bid will take into account:

30.3.1. the bid price, excluding provisional sums and the provision, if any, for contingencies in the summary bill of quantities, but including day work items, where priced competitively;

30.3.2. converting the amount resulting from applying above, if relevant, to a single currency in accordance with ITB 29;

30.4. 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.

30.5. If these bidding documents allow bidders to quote separate prices for different lots, and the award to a single bidder of multiple lots, the methodology of evaluation to determine the lowest evaluated lot combinations in the Form of Bid, is specified in the **BDS**.

30.6. If the bid, which results in the Evaluated Bid Price (Successful Bid), is seriously unbalanced or front loaded in the opinion of the Employer, 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, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

Explanation:

"Unbalanced" or "front-loaded" bids consist of deliberately submitting bids with artificially high prices or unit rates for the early stages of a construction project, offset by artificially low prices or unit rates for the later stages of the project, to improve the contractor's cash flow.

31. **Domestic Preference**

31.1. If the **BDS** so specifies, the Procuring agency/Employer will grant a margin of preference to the domestic contractor in line with the rules, regulations, regulatory guides or instructions issued by the Authority from time to time.

32. **Determination of Successful Bid**

32.1. The Procuring agency/Employer shall compare the evaluated bids in accordance with the predefined bidding procedure, of all substantially responsive bids to determine the Successful bidder.

33. **Qualification of Bidder**

33.1. The Procuring agency/Employer shall determine to its satisfaction whether the bidder is substantially responsive and whose bid is declared as Successful bid either continues to meet (if prequalification applies) or meets (if post-qualification applies) the qualifying criteria specified in Evaluation and Qualification Criteria.
Note: In case of international bidding, the parameters for incorporation or licensing within Pakistan may be fulfilled as part of post qualification.

33.2. The determination shall be based upon an examination of the documentary evidence of the bidder’s qualifications submitted by the bidder, pursuant to **ITB 11**.

33.3. Prior to contract award, the Procuring agency/Employer will verify that the successful bidder (including each member of a JV) is not blacklisted/debarred. The Procuring agency/Employer will conduct the same verification for each sub-contractor proposed by the successful bidder.

34. **Sub-Contractors**

34.1. The bidder shall provide details regarding any specialized sub-contractor to the Procuring agency/Employer. In case change of sub-contractors, the bidder shall promptly notify the Procuring agency/Employer and obtain approval for replacement of sub-contractors.

34.2. Bidders may propose sub-contracting up to the percentage of total value of contracts or the volume of works as specified in the **BDS**.

35. **Abnormally Low Financial Bid**

35.1. A procuring Agency may reject abnormally low bids. The decision of the Procuring agency/Employer to reject a bid and reasons for the decision shall be recorded in the procurement proceedings and promptly communicated to the bidder concerned. Moreover, the Procuring agency/Employer shall not incur any liability solely by rejecting abnormally bid

Guidance for Procuring agency/Employer:

An abnormally low bid means, in the light of the Procuring agency/Employer's estimate and of all the bids submitted, the bid appears to be abnormally low by not providing a margin for normal levels of profit. In order to identify the Abnormally Low Bid (ALB) following approaches can be considered to minimize the scope of subjectivity:

35.1.1. Comparing the bid price with the cost estimate;

35.1.2. Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and

35.1.3. Comparing the bid price with prices paid in similar contracts in the recent past either government- or development partner-funded.

35.2. The Procuring agency/Employer will determine to its satisfaction whether the bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in **ITB 11**

35.3. The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 11**, as well as such other information as the Procuring agency/Employer deems necessary and appropriate. Factors not included in these bidding documents shall not be used in the evaluation of the bidders' qualifications.

35.4. Procuring agency/Employer may seek “Certificate for Independent Price Determination” from the bidder and the results of reference checks may be used in determining award of contract.

Explanation: The Certificate shall be furnished by the bidder. The bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

35.5. An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder’s bid, in which event the Procuring agency/Employer will proceed to the next ranked bidder to make a similar determination of that bidder’s capabilities to perform satisfactorily.

F. AWARD OF CONTRACT

36. **Criteria of Award**

36.1. Subject to **ITB 36 and 37**, the Procuring agency/Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has been declared as Successful Bidder, provided that such bidder has been determined to be:

36.1.1. eligible in accordance with the provisions of **ITB 3**;

36.1.2. is determined to be qualified to perform the Contract satisfactorily; and

36.1.3. Successful negotiations have been concluded, if any.

37. **Negotiations**

37.1. The Committee of the Procuring agency/Employer may negotiate with the Most Advantageous Bidder relating to the following areas:

37.1.1. a minor alteration to the technical (drawings, design technical specifications) details of the statement of works;

37.1.2. Methodology, work plan, staffing in view to streamline the work;

37.1.3. a minor amendment to the Particular conditions of Contract;

37.1.4. finalizing payment arrangements;

37.1.5. clarifying details that were not apparent or could not be finalized at the time of Bidding;

37.2. Where negotiation fails to result into an agreement, the Procuring agency/Employer may invite the next ranked bidder for negotiations. Where negotiations are commenced with the next ranked bidder, the Procuring agency/Employer shall not reopen earlier negotiations.

38. **Procuring agency's Right to reject All Bids**

38.1. The procuring agency has the right to reject all bids in accordance with Rule 33 of the Public Procurement Rules, 2004. However, the Authority (i.e. **PPRA**) may call from the Procuring agency/Employer the justification of those grounds.

39. **Notification of Award**

39.1. The procuring agency shall announce and publish the evaluation result in accordance with Rule 35 of the Public Procurement Rules, 2004.

39.2. Where no complaints have been lodged, the bidder whose bid has been accepted will be notified of the award by the Procuring agency/Employer prior to expiration of the bid validity period through EPADS. However, the Procuring agency/Employer shall not award any procurement contract at least for five (05) days after the announcement of final evaluation report. The notification letter (herein after and in the condition of the contract and contract form called “Letter of Acceptance” will specify the sum that the Procuring agency/Employer will pay the successful bidder in consideration for the execution and completion of the

works as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

39.3. The notification of award will constitute the formation of the Contract, subject to the bidder furnishing the Performance Security (or guarantee) in accordance with **ITB 41** and signing of the contract in accordance with **ITB 40**.

39.4. Upon the successful bidder’s furnishing of the performance security (or guarantee) pursuant to **ITB 41**, the Procuring agency/Employer will promptly notify each unsuccessful bidder, the name of the successful bidder and the Contract amount and will discharge the Bid Security or Bid Securing Declaration of the bidder(s) pursuant to **ITB 17**.

40. **Signing of Contract**

40.1. Promptly after notification of award, Procuring agency/Employer shall send the successful bidder the draft agreement, incorporating all terms and conditions as agreed by the parties to the contract.

40.2. Immediately after the Redressal of grievance by the **GRC**, and after fulfillment of all conditions precedent of the Contract Form, the successful bidder and the Procuring agency/Employer shall sign the contract.

40.3. Where no formal signing of a contract is required, work order issued to the bidder shall be construed to be the contract.

41. **Performance Security (or Guarantee)**

41.1. After the receipt of the Letter of Acceptance, the successful bidder, within the specified time, shall deliver to the Procuring agency/Employer a Performance Guarantee in the amount and in the form stipulated in the BDS and PCC, denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract.

41.2. If the Performance Guarantee is provided by the successful bidder and it shall be in the form specified in the BDS which shall be in any of the following:

41.2.1. certified cheque, cashier's or manager's cheque, or bank draft;

41.2.2. irrevocable letter of credit issued by a scheduled bank of Pakistan or in the case of an irrevocable letter of credit issued by a foreign bank, the letter shall be confirmed or authenticated by a scheduled bank of Pakistan;

41.2.3. bank guarantee confirmed by a reputable local bank or, in the case of a successful foreign bidder, bonded by a foreign bank; or

41.2.4. surety bond callable upon demand issued by any reputable surety or insurance company.
Any Performance Guarantee submitted shall be enforceable in Pakistan.

41.3. Failure of the Most Advantageous Bidder to comply with the requirement of **ITB 40** shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or declare blacklisted (in case bid securing declaration is submitted) in which event the Procuring agency/Employer may make the award to the next most advantageous bidder or reinitiate the procurement process afresh (as a case may be).

42. **Advance Payment**

42.1. Advance payment will be provided to the bidder in percentage and in the manner as agreed by the both parties in terms of Conditions of the Contract.

42.2. The Procuring agency/Employer will provide an advance payment as stipulated in the Conditions of Contract, subject to a maximum amount, as stated and/or Conditions of the Contract. The advance payment request shall be accompanied by an advance payment security (guarantee) in the form provided in Section X. For the purpose of receiving the advance payment, the bidder shall make and estimate of, and include in its bid, the expenses that will relate to the purchase of equipment, machinery, materials, and on the engagement of labor during the first month beginning with the date of the Procuring agency/Employer's "**Notice to Commence**" as specified in the **PCC**.

43. **General Performance of the Bidders**

43.1. The Procuring agency/Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts / works. The Procuring agency/Employer may seek information / report from the previous employer for consideration. However, the Procuring agency/Employer shall incorporate such parameters in the evaluation criteria and accordingly decide the fate of the bid submitted.

44. **Corrupt & Fraudulent Practices**

44.1. Procuring agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

G. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

45. **Grievance Redressal**

45.1. Grievance Redressal shall be carried out in accordance with Rule 48 of the Public Procurement Rules, 2004 i.e. Redressal of grievances by the procuring agency and “Redressal of Grievances Regulations 2021”.

H. MECHANISM OF BLACKLISTING

46. **Mechanism of Blacklisting**

46.1. The Procuring agency/Employer shall proceed Blacklisting of Bidders/Contractors in accordance with Rule 19 of the Public Procurement Rules, 2004 i.e. Blacklisting and “Blacklisting and Debarment of Bidders or Contractors Regulations 2024.

Bid Data Sheet

Bids Data Sheet (BDS)

The following specific data for the procurement of Goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
A. Introduction		
1	1.1	Name of Procuring Agency:**Allama Iqbal Open University (Directorate of Works)** The subject of procurement is:**Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad** Expected commencement date: **Thursday, December 31, 2026**
2.	2.1	Financial year for the operations of the Procuring Agency:**2026-27** Name and identification number of the Contract: **P178581**
3.	3.1	JV/Consortium or AssociationAllowed: **No** Number of JV/Consortium Members: **Nil**
B. Bidding Documents		

4.	**6.2 & 6.4**	The Bidders may seek clarifications through **EPADS v2.0**: Clarification Date: Sunday, November 15, 2026 Pre-Bid Meeting: Wednesday, November 11, 2026 11:00 AM Venue: Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad Meeting Link: https://meet.google.com/meet/jgh-nofm-hkf
5.	**7.2**	Any addendum, in case issued, shall be published on **Allama Iqbal Open University (Directorate of Works)** website and on **EPADS v2.0**.

C. Preparation of Bids

6.	**8.1**	List of documents required along with the bid: 1. The Bidder shall submit audited balance sheets for the last three (03) years. 2. Documentary evidence (Contract Agreement/Work Order/Completion Certificate) of claimed contracts. 3. CVs of key personnel. 4. Affidavit on judicial paper of at least Pak. Rs. 100/- about (a) no blacklisting/debarment (b) no conflict of interest, (c) no history of litigation in any court of law in Pakistan (d) no history of contract non-performance, (e) surety to comply with bid validity period and completion of contract within given timelines, and (f) surety that all the provided information/ documents are correct and any fake information/document shall lead to bidder's disqualification & blacklisting. 5. If in support of cash flow, the bidder claims provision of overdraft/credit line, submission of latest letter duly addressed to the University, by a registered bank signed and stamped by the authorized person(s) with their names and employee codes, on bank's letter head, must be submitted with the bid. 6. The bidder, or its sub-contractor (if any), must have registration with AEDB/PPIB for installation of Solar System. 7. The bidder, or its sub-contractor (if any), must have manufacturer's authorization for installation of VRF system. 8. Provision of details of required list of equipment as provided in the bidding document as Annexure. 9. The bidder must submit the Brochures and Pictures of offered VRF System, Solar System,

7.	**9.1**	The qualification criteria to establish the supply / production capability of the bidder. *see Eligibility Criteria*
8.	**11.2**	**Works and Their relateddocuments:** *See section Required Scope of Work*
9.	**11.1**	Price schedule will be provided according to the format defined and acquired. *see section price schedule.*
10.	**11.4**	**Specifications:** *see section of specifications.*
11.	**11.5 & 13.5**	The price shall be **Fixed**. The bid price shall be adjusted in accordance with Appendix provided – Formula for Price Adjustment.
12.	**14.1**	Currency of the Bids shall be : **PKR**
13.	**16.1**	The Bids/Bid Validity period shall be: **180 Days**
14.	**17.1**	The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**
15.	**17.2**	The Bid Security shall be in the form of: **Pay Order, Call at Deposit, Bank Guarantee**
16.	**15.1**	Alternative Bids to the requirements of the bidding documents willnot be permitted.

D. Submission of Bids

17.	**18.1 & 21.1**	Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following; **Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad** Bids that are not submitted on EPADS v2.0 shall be disqualified. The deadline for Bids submission is: **Wednesday, November 18, 2026 11:00 AM**

E. Opening and Evaluation of Bids

18.	**24.1**	The Bids opening shall take place on **EPADS v2.0**. Day *:* ***Wednesday*** Date:***November 18, 2026*** Time *:* ***11:30 AM***
19.	**30.2**	Selection technique adopted will be: **Quality and Cost Based Selection (QCBS)** *see Evaluation Criteria*

F. Award of Contract

20.	**41.1 & 41.2**	The Performance guarantee shall: **10.00%**. The Performance Guarantee shall be acceptable in the form of:**Bank Guarantee**
21.	**45.1**	Arbitrator shall be appointed by mutual consent of the both parties.

G. Review of Procurement Decisions

22.	**37**	Grievance against this procurement shall be submitted online on EPADS v2.0.

Eligibility Criteria

All Active Taxpayers shall be eligible to participate in the procurement process, unless expressly excluded or otherwise restricted under the Eligibility Criteria specified by the Procuring Agency.

Required Registration
FBR (NTN) FBR (GSTN) PEC

Eligibility Criteria	Document
The bidders must have Active Registration with Income & Sales Tax Departments.	No
The Bidders must visit the site from 0900 to 1500 PST on any working day and assure themselves about the sufficiency of requirements for submitting all-inclusive bids. For site visits, the bidders shall share the details of their representative(s) carrying out site visit, at least one (01) working day earlier and during the working hours, on the email address provided in the IFB Notice.	Yes
The bidders must have valid registration with Pakistan Engineering Council in Category C-A with PEC Codes CE01, CE09, CE10, BC01, ME01, ME02, ME03, ME05, ME06, ME07, EE01, EE03, EE04, EE05, EE09, EE10, EE11 (I & II).	No

Evaluation Criteria

Quality and Cost Based Selection (QCBS)

Weightage

Technical Evaluation %	Financial Evaluation %
70	30

Technical Marks	100
Passing Marks	**80**
Technical Evaluation Criteria	
Approach and method statement (methodology) with Site Organizational Plan, for Logistics, Supply Chain Management, Stakeholder Communication, Management & Coordination, overcoming challenges for supply, installing, commissioning, integrating & testing the required equipment without interrupting the daily functions of the University. The bidders may propose more effective and attractive external, yet cost effective, design against the design provided in the bidding document. (Qualitative)(Doc Required)	25
Mobilization & Construction Schedules, dissecting all the implementation steps/requirements (Qualitative)(Doc Required)	15
Quality Control Measures (Qualitative)(Doc Required)	10
Environmental Health and Safety Plan (Qualitative)(Doc Required)	10
Quality of proposed key personnel. (Qualitative)(Doc Required)	10

Offering of renowned, durable, and quality brands of VRF system, Solar System, and Lift, meeting all the specifications and requirements, given in BoQs. Submission of Brochures and pictures of offered VRF System, Solar System, and Lift with the bid (Qualitative)(Doc Required)	20
Quality of proposed service levels and capabilities of VRF system, Solar System, and Lift, ensuring product sustainability & warranty. The offered brands must have their service outlets in twin cities (Islamabad/Rawalpindi) (Qualitative)(Doc Required)	10

Jobs/Lots

Jobs Without Lots :

Job	Delivery Schedule	Quantity	Bid Security
Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad	Address: Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad Schedule: 6 Months Quantity: 1/job	1/job	9000000 PKR

Related Services :

Yes

Job	Related Services
Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad	Provision of warranty and after-sales services for VRF system, Solar System, and Lift as per the requirements mentioned in their specs.

Work Specifications and Market Rates

Jobs Without Lots :

Job: Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad

Specifications / Requirements:

Sr. No	Item No	Description	Unit	Quantity	Rate		Amount
1	Bill No. 1	Civil Works					

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Item No	Description	Unit	Quantity	Rate		Amount
2	1	Please find attached the complete and itemized Bill of Quantities in the Annexures. The bidder must submit itemized financial cost for all the items mentioned in the Bill of Quantities (BOQs) as per the format attached in this ANNEXURE. If the itemized BOQs are					

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Item No	Description	Unit	Quantity	Rate		Amount
3						Total	450000000
						GRAND TOTAL:	Rs450,000,000.00

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Scope of Work

The grey structure of the building has already been completed. The scope of work of the project includes finishing, mechanical, electrical, plumbing (MEP), and other miscellaneous works. All works to be executed by the contractor are explained in detail in the Bill of Quantities (BOQ) along with their technical specifications:

1. Civil & Finishing Works

- Flooring & Finishes: Installation of approved marble, floor tiles, and exterior paving across designated interior and exterior areas.
- Plaster & Paint Work: Interior and exterior wall plastering, followed by comprehensive weather-resistant painting and decorative finishes.
- Carpentry & Joinery: Fabrication and installation of wooden doors, windows, cabinetry, and associated fixtures.
- Metal & Glass Work: Installation of metal frames, window glass, and aluminum architectural fixtures.
- Waterproofing & Drainage: Complete roof treatments, damp proofing, waterproofing, and construction of rainwater drainage systems.

2. Public Health & External Services

- Sanitary & Plumbing: Laying of the internal water supply network, and installation of sanitary fittings, bathroom fixtures, and internal sewerage lines.

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- External Works: Construction of underground water storage infrastructure, footpaths, paved areas, landscaping, external sewerage, gas supply connections, and overall structural earthing.

3. Lift System Installation

- Machinery & Control: Supply and installation of passenger Lift(s) for three (03) floors (Basement+GF+1) of the specified capacity, featuring energy-efficient traction machines, microprocessor-based drives, and control panels.
- Cabin & Hardware: Stainless-steel cabin with automatic center-opening doors, digital Car Operating Panels (COP), heavy-duty machine bed, and a balanced counterweight system.
- Safety Features: Integration of standard safety mechanisms including overspeed governors, safety gears, electromechanical door interlocking, and guide rail guards.

4. VRF System:

- Outdoor Units: Supply and installation of inverter-based reversible (heat and cool) outdoor units, featuring anti-corrosion protection for external environments.
- Indoor Units: Supply and installation of designated indoor units (e.g., ceiling cassettes), complete with electronic thermostats, insulated casings, and condensate drainage systems.

5. Solar Power System

- Panels & Mounting: Installation of Tier-1 solar photovoltaic panels mounted on a robust, rust-protected structure designed to withstand local environmental and wind loads.
- Inverter & Storage: Installation of hybrid or on-grid inverters integrated with a compatible, deep-cycle battery storage system.

- Balance of System (BOS): Comprehensive AC/DC wiring, AC/DC circuit breakers, surge protection devices (SPDs), distribution boards, chemical earthing, and lightning arresters.

6. Fire & Life Safety Systems

- Firefighting System: Various firefighting equipment including 4-way fire brigade connection, yard hydrants, a fire hose reel, a firefighting pump, seamless MS steel pipes, and various fire safety equipment mentioned in the BOQ.
- Detection & Control: Installation of a fully addressable fire alarm control panel, optical smoke detectors, and manual call points across all zones
- Notification & Wiring: Installation of addressable wall sounders with flashers, emergency lighting, and fire-resistant cabling laid in approved conduits.

7. Electrical & High Tension (HT) Works

- Transformer & Infrastructure: Supply and installation of an outdoor step-down transformer of the specified rating, mounted on a dedicated concrete foundation.
- Transmission Lines: Erection of High Tension (HT) steel poles, approved conductors, insulators, and complete stay sets in compliance with utility standards.
- Cabling & Approvals: Laying of high-voltage cabling, installation of termination kits, and complete responsibility for all testing, inspections, and operational approvals from the relevant local electrical and utility regulatory authorities.

In addition to these works, all the other required works have been specified in the BOQs and other technical specifications attached in the Annexures.

The external design has been provided as a reference. The bidders may propose more effective and attractive external, yet cost effective, design against the design provided in the bidding document.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Price Schedule

For Individual Jobs

#	Job Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		

PUBLIC PROCUREMENT REGULATORY AUTHORITY
(PPRA)
EPADS

General Conditions of Contract

A. General

1. **Definitions**

1.1. Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

1.1.1. “Applicable Law” means the laws and any other instruments having the force of law in the Government’s Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;

1.1.2. “The Contract” means an agreement enforceable by law;

1.1.3. “The Contract Price” means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations;

1.1.4. “The Services” means the work to be performed by the Contractor pursuant to this Contract and as prescribed in the Specifications and Schedule of Activities included in the Contractor’s Bid;

1.1.5. “Ancillary Services” means those services ancillary to the provision of Services, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Contractor covered under the Contract;

1.1.6. “GCC” means the General Conditions of Contract contained in this section;

1.1.7. “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented;

1.1.8. **“**Day” means calendar day unless indicated otherwise;

1.1.9. “Effective Date” means the date on which this Contract comes into force and effect;

1.1.10. “The Contractor” means the individual or corporate body whose Bids to provide the Services has been accepted by the Procuring Agency;

1.1.11. “The Project Site,” where applicable, means the place or places named in Bid Data Sheet and technical Specifications;

1.1.12. “Government” means the Government of Pakistan;

1.1.13. “Local Currency” means the currency of Pakistan;

1.1.14. “In Writing” means communicated in written form with proof of receipt;

1.1.15. “Completion Date” means the date of completion of the Services by the Contractor as certified by the Procuring Agency;

1.1.16. “Foreign Currency” means any currency other than the currency of the country of the Procuring Agency;

1.1.17. “Party” means the Procuring Agency or the Contractor, as the case may be, and “Parties” means both of them;

1.1.18. "Service" means any object of procurement other than goods or works;

1.1.19. “Subcontractor” means any entity to which the Bidder subcontracts any part of the Services.

2. **Applicable Law**

2.1. The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

3. **Language**

3.1. The Contract as well as all correspondence and documents relating to the Contract exchanged between the Contractorand the Procuring Agency, shall be written in the **English language** unless otherwise stated in the **SCC** . Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

4. **Notices**

4.1. Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**.

5. **Location**

5.1. The Services shall be performed at such locations as the Procuring Agency may approve and as specified in **SCC.**

5.2. A {DOCUMENTS}

6. **Authorized Representatives / Authority of Member in charge**

6.1. Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Contractor may be taken or executed by the officials specified in the **SCC**.

B. Commencement, Completion, Modification, and Termination of Contract

7. **Effectiveness of Contract**

7.1. This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the **SCC.**

8. **Commencement of Services**

8.1. The Contractor shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the **SCC.**

9. **Program schedule**

9.1. Before commencement of the Services, the Contractor shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

10. **Starting Date/Expiration Date**

10.1. The Contractor shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the **SCC.**

10.2. Unless terminated earlier pursuant to Clause **GCC 14** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the **SCC.**

11. **Entire Agreement**

11.1. This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

12. **Modification**

12.1. Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any modification(s) or variation(s) made by the other Party.

12.2. In cases of any modification(s) or variation(s), the prior written consent of the Procuring Agency is required.

13. **Force Majeure**

13.1. **Definition**

For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Contractor and which makes a Contractor’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

13.2. **No Breach of Contract**

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative

measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

13.3. **Extension of Time**
Any period within which a Contractor shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

13.4. **Payments**
During the period of their inability to perform the Services as a result of an event of Force Majeure, the Contractor shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

14. **Termination**

14.1. **By the Procuring Agency**
The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Contractor in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

14.1.1. If the Contractor fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;

14.1.2. If the Contractor becomes (or, if the Contractor consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;

14.1.3. If the Contractor fails to comply with any final decision reached as a result of arbitration proceedings;

14.1.4. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.1.5. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

14.2. **By the Contractor**
The Contractor may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

14.2.1. If the Procuring Agency fails to pay any money due to the Contractor pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Contractor that such payment is overdue;

14.2.2. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.2.3. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration;

14.2.4. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Contractor's notice specifying such breach.

C. Obligations of the Contractor

15. **General**

15.1. **Standard of Performance**

15.1.1. The Contractor shall perform the Services and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Contractor shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties;

15.1.2. The Contractor shall employ and provide such qualified and experienced Experts and Sub-Contractors as are required to carry out the Services.

15.2. **Law Applicable to Services**

The Contractor shall perform the Services in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

16. **Conflict of Interests**

16.1. **Contractor Not to Benefit from Commissions and Discounts**

The remuneration of the Contractor shall constitute the Contractor's sole remuneration in connection with this Contract or the Services, and the Contractor shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Contractor shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

16.2. **Contractor and Affiliates Not to be Otherwise Interested in Project**

The Contractor agree that, during the term of this Contract and after its termination, the Contractor and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

16.3. **Prohibition of Conflicting Activities**
Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

16.3.1. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;

16.3.2. during the term of this Contract, neither the Contractor nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

16.3.3. after the termination of this Contract, such other activities as may be specified in the **SCC.**

17. **Insurance to be Taken Out by the Contractor**

17.1. The Contractor(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Sub-contractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, and for the coverage, as shall be specified in the **SCC**; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

18. **Contractor's Actions Requiring Procuring Agency's Prior Approval**

18.1. The Contractor shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

18.1.1. appointing such members of the Personnel not provided by the Contractor;

18.1.2. changing the Program of activities; and

18.1.3. any other action that may be specified in the **SCC.**

19. **Reporting Obligations**

19.1. The Contractor shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

20. **Liquidated Damages**

20.1. **Payments of Liquidated Damages**
The Contractor shall pay liquidated damages to the Procuring Agency at the rate per day stated in the **SCC** for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the **SCC**. The Procuring Agency may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

20.2. **Correction for Over-payment**
If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The

Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in **SCC.**

20.3. **Lack of performance penalty**
If the Contractor has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Contractor. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the Contractor

21. **Performance Guarantee**

21.1. Within the time stipulated in the acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape and amount **specified in SCC.**

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

21.3. The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in **SCC**.

21.4. The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC.**

22. **Sustainable Procurement**

22.1. The Contractor shall conform to the sustainable procurement contractual provisions, if and as specified in the **SCC.**

D. Contractor's Personnel

23. **Description of Personnel**

23.1. The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Contractor's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

24. **Removal and / or Replacement of Personnel**

24.1. Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Contractor, it becomes necessary to replace any of the Key Personnel, the Contractor shall provide as a replacement a person of equivalent or better qualifications.

24.2. If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Contractor shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

24.3. The Contractor shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

25. **Change in the Applicable Law**

25.1. If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the Services rendered by the Contractor, then the remuneration and reimbursable expenses otherwise payable to the Contractor under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the **SCC.**

26. **Services and Facilities**

26.1. The Procuring Agency shall make available to the Contractor and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described in the Terms of Reference, at the times and in the manner specified in the Terms of Reference.

26.2. In case that such services, facilities and property shall not be made available to the Contractor, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Contractor for the performance of the Services, (ii) the manner in which the Contractor shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Contractor as a result thereof.

F. Payments to the Contractor

27. **Contract Price**

27.1. The price payable shall be in Pakistani Rupees unless otherwise specified in the **SCC**.

28. **Terms and Conditions of Payment**

28.1. Payments will be made to the Contractor according to the payment schedule stated in the **SCC** and as per actual invoice submitted by the Contractor.

28.2. Unless otherwise stated in the **SCC**, the advance payment shall be made against the provision by the Contractor of a bank guarantee for the same amount, and shall be valid for the period stated in the **SCC.** Any other payment shall be made after the conditions listed in the **SCC** for such payment have been met, and the Contractor have submitted an invoice to the Procuring Agency specifying the amount due.

29. **Quality Control Identifying Defects**

29.1. The principle and modalities of Inspection of the Services by the Procuring Agency shall be as indicated in the **SCC.** The Procuring Agency shall check the Contractor’s performance and notify him of any Defects that are

found. Such checking shall not affect the Contractor's responsibilities. The Procuring Agency may instruct the Contractor to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the **SCC**.

29.2. A {INSPECTION}

30. **Correction of Defects, and Lack of Performance Penalty**

30.1. The Procuring Agency shall give notice to the contractor of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

30.2. Every time notice a Defect is given; the contractor shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

30.3. If the contractor has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the contractor will pay this amount, and a Penalty for Lack of Performance.

31. **Settlement of Disputes Amicable Settlement**

31.1. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

32. **Dispute Settlement**

32.1. **Arbitration**

If any dispute of any kind whatsoever shall arise between the procuring agency and the contractor in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the contract, the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference even after negotiations or mediation, then the dispute shall be referred within fourteen (14) days in writing by either party to the Arbitrator, with a copy to the other party.

Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with **GCC sub-clause 32.1**, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Contract. Arbitration proceedings shall be conducted in accordance with Arbitration Act 1940. Notwithstanding any reference to arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless otherwise agreed. The Procuring Agency shall continue to pay the Contractor any undisputed amounts due under the Contract during the resolution of any dispute.

Special Conditions of Contract

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

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

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: Allama Iqbal Open University (Directorate of Works), Director Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad

The Supplier is:

The title of the subject procurement is: Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad

Number of GC Clause 2

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 3

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English.**

Number of GC Clause 4

Notices:

The addresses for the notices are:

Procuring Agency:

Allama Iqbal Open University (Directorate of Works), Director
Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad
+92-519-572-133
ali.arslan@aiou.edu.pk

Contractor/ Bidder:

[Name, address and telephone number]

The Contractor/ Bidder’s Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 6.1

The Authorized Representatives are:

For the Procuring Agency:

Allama Iqbal Open University (Directorate of Works), Director
Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad
+92-519-572-133
ali.arslan@aiou.edu.pk

For the Bidder:

Name: ……

Designation: ……..

Address: ……..

Number of GC Clause 7

Effectiveness of the contract

The Contractor/Bidder shall be effective within ….. days from the date of signature of the Contract by both parties

Number of GC Clause 8

Commencement of Contract:

The Contractor/Bidder shall provide Non-Consultancy Services from the effective date of contract.

Number of GC Clause 10.2

Expiration of Contract:

The time period shall be ……

Number of GC Clause 14

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 16

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17.

Number of GC Clause 20

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.10%** to **10.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the Authority.

Number of GC Clause 21

Performance Guarantee:

The amount of performance guarantee shall be **10.00%** of the contract price in acceptable form of **Bank Guarantee**

Number of GC Clause 27

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 28

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 29

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Inspections & Tests Requirements

For all the items to be installed at site, a prior approval from the Employer shall be mandatory.

The employer shall inspect the executed works and confirm their execution as per the scope, specs, and BOQs.

For conformance to specifications and performance parameters, prior delivery inspection by the employer shall be must.

A designated committee of the employer shall inspect and test all the works items as per BOQs and specs.

The samples of all the works items must be submitted before bringing them to site and should be approved by the Employer, invariably.

Delivery & Documents

Copies of the Supplier’s invoice showing the executed works against the running bill.

Measurement sheets with each running bill showing executed BOQs against respective bill and consolidated completion of tasks up to that running bill against the total BOQs.

Inspection Certificate issued by the Directorate of Works.

If the bidder wishes to avail mobilization advance up to 10% of the Accepted Contract amount upon award of contract, the bidder shall have to furnish Advance Bank Guarantee as per the format provided in the Annexures of the bidding document.

Warranty Certificates of Sound System, LCDs, Lift, VRF System, Solar System and its components as required in the Bidding document, and any other equipment provided under the Contract for which the manufacturer offers standard warranty.

Number of GC Clause 31

Following is the guidance for Dispute Resolution

i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract... (full clause unchanged)

ii. At future of negotiation the dispute shall be resolved through mediation...

iii. At failure of mediation, arbitration under Arbitration Act 1940...

iv. Cost sharing equally...

v. Proceedings may commence before/after completion...

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder shall be referred to arbitration under the laws of Pakistan including Arbitration Act 1940.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place shall be Islamabad. The award shall be final and binding.

Bid Securing Declaration

Form 9: Bid Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.:***P178581***

To: **Allama Iqbal Open University (Directorate of Works), Director Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;

2. Disagreement to arithmetical correction made to the Bid price; or

3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.

Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the _____ day of _____ 20_____ between **Allama Iqbal Open University (Directorate of Works), Director Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad**

(hereinafter called "the Procuring Agency") of the one part and *[name of Bidder]* of *[city and country of Bidder]* (hereinafter called "the Bidder") of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **Finishing Works of Centre of Excellence in Early Childhood Care & Education at Main Campus, Islamabad (*P178581*)** and has accepted a Bids by the Bidder for the provision of Goods in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency's Letter of Acceptance; and
8. [*add here: any other documents*]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

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

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

……

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Bidder: ……

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BYTHE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: Contract Value: Contract Title:

Dated:

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

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

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

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

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

Performance Guarantee Form

Performance Guarantee Form

To: **Allama Iqbal Open University (Directorate of Works), Director Allama Iqbal Open University, Ashfaq Ahmad Road, H-8/2, Islamabad**

WHEREAS *[name of Bidder]* (hereinafter called "the Bidder") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods*(*hereinafter called "the Contract").

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

AND WHEREAS we have agreed to give the Bidders guarantee:

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

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date}

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Annexure

Itemized Bill of Quantities

The bidder must submit itemized financial cost for all the items mentioned in the Bill of Quantities (BOQs)as per the format attached in thisANNEXURE. If the itemized BOQs are not provided along-with with the quoted rates of by the bidder, the bid shall be considered in-eligible. If a Price Schedule shows items listed but not priced, their prices shall be construed to be included in the prices of other items in the Bill of Quantities and will not be paid separately by the University.

Financial Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Itemized Bill of Quantities** (page number: 85)

Performance Guarantee Form

To be provided if the Contractor is opting to submit Performance Guarantee other than Bank Guarantee, this Affidavit is mandatory to be provided on at least 100 judicial stamp paper.

Information (Read-Only)

See Form Under Additional Forms and Documents: **Performance Guarantee Form** (page number: 162)

Advance Payment Security Form

Information (Read-Only)

See Form Under Additional Forms and Documents: **Advance Payment Security Form** (page number: 164)

List of Equipment Required.

The Bidder must demonstrate that it has access to the key equipment listed in the Annexure.

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **List of Equipment Required.** (page number: 166)

Drawings

Please find the google drive link for accessing the Architectural, Electrical, and Water Supply Drawings.

Information (Read-Only)

See Form Under Additional Forms and Documents: **Drawings** (page number: 167)

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Procurement Forms

Past Construction Experiences

Experience under constructioncontracts in the role of prime contractor, JV member, sub-contractor, or management contractor for at least the last ten (10) years. This experience shall be counted from the date ofPEC Registration.

See Form Under Additional Forms and Documents: **Past Construction Experiences** (page number: 168)

Contractor's Key Personnel Representative and Their Schedules

No.	PERSONNEL	Relevant Academic Qualifications	Minimum Years of Relevant Work Experience	Number / Quantity Required	Man Months
1	Project Manager/Planning Engineer	Bachelors in Civil Engineering	20	1	6
2	Materials/QAQC Engineer	Bachelors in Civil Engineering/Geology	15	1	6
3	Electrical Engineer	Bachelors in Electrical Engineering	15	1	3
4	Mechanical Engineer	Bachelors in Mechanical Engineering	15	1	3
5	IT Engineer	Bachelors in Computer Science/IT/Related Fields	10	1	2
6	Site Engineer	Bachelors in Civil Engineering	10	1	6
7	Quantity Surveyor	BS. Tech (Civil)	10	1	6
8	Site Supervisor	D.A.E (Civil)	10	1	6

See Form Under Additional Forms and Documents: **Contractor's Key Personnel Representative and Their Schedules** (page number: 174)

Financial Resources

The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as **Pak. Rs. 800.00 million** for the subject contract(s) net of the Bidders other commitments.

See Form Under Additional Forms and Documents: **Financial Resources** (page number: 178)

Past Experience and Completed Contracts

The bidder must havesatisfactorily completed at least **two (02) projects** ofsimilar nature and scope, each having financial worth of at least **Pak. Rs. 800 Million**, as a prime contractor, joint venture member, management contractor or sub-contractor. In case of execution of Contract asjoint venture member, management contractor or sub-contractor, the bidder must share and proof its value of works. In case of absence of this information, the claimed contract experience as joint venture member, management contractor or sub-contractor, shall not be considered.

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 179)

Historical Contract Non-Performance, and Pending Litigation and Litigation History

The bidder must not have any historical contract non-performance, ongoing disputes, and/or litigation history. The bidder should not be blacklisted or debarred by any Public Procurement Regulatory Authority or Public Sector Entity.

See Form Under Additional Forms and Documents: **Historical Contract Non-Performance, and Pending Litigation and Litigation History** (page number: 180)

Current Contracts and Their Progress

The provision of current commitments, through the prescribed proforma, is mandatory. Absence of required information shall make the bid ineligible.

See Form Under Additional Forms and Documents: **Current Contracts and Their Progress** (page number: 182)

Financial Capacity and Net Worth Evaluation Form

The Bidders shall demonstrate through the last three (03) years' audited financial statements, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on

works currently in progress and for future contract commitments.

See Form Under Additional Forms and Documents: **Financial Capacity and Net Worth Evaluation Form** (page number: 183)

Average Annual Turnover

Minimum average annual turnover of Pak. Rs. 1,000.00 million, calculated from the last three (03) years audited financial statements,divided by three (03) years.

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 185)

PUBLIC PROCUREMENT REGULATORY AUTHORITY
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Additional Forms and Documents

CONSTRUCTION OF CENTER OF EXCELLENCE (FINISHING WORK) AT AIOU MAIN CAMPUS ISLAMABAD.

Summary of Cost

A-MAIN BUILDING.			
Item No.	**Brief Description of Item**		**Amount (Rs.)**
1	Excavation.		
2	Concrete Work.		
3	Brick Layer.		
4	Paviour.		
5	Marble and Tile Work.		
6	Plaster Work.		
7	Water and Damp Proofing .		
8	Rain water drainage for roof		
9	Carpenter and joiner.		
10	Metal Worker and Glazier		
11	Painter and Decorator.		
12	Water Suplly, Sanitary, Plumbing, Fixture & Sewerage.		
13	Roofer and water proofer		
14	Sui Gas Earthing		
15	Dismantiling and Demolishing		
	Sub-Total Part-I (A)	RS:	

EXTERNAL SERVICES:			
Item No.	Brief Description of Item		Amount (Rs.)
1	Foothpath, paved areas, roads, drainage and land scaping.		
2	External Water Supply and Sewerage.		
3	External Work of Sui Gas		
4	Under Ground Water Tank		
	Sub-Total Part-I (B)	RS:	
	Total-Part-I (A+B)	RS:	
(C) ELECTRICITY.			
1	Main Building.		-
2	Surveillance System		
3	FIRE LIFE SAFETY		
	Total Part (C)		
	Total Part-I (A+B+C)	RS:	

Item No.	Brief Description of Item		Amount (Rs.)
1	A-MAIN BUILDING		
2	B-EXTERNAL SERVICES		
3	Solar Work		
4	HT Work		
5	Lift		
6	VRF System		
	SUB TOTAL PART II		
	Total Part I+II	RS:	

BOQ FOR CONSTRUCTION OF CENTER OF EXCELLENCE (FINISHING WORK) AT MAIN CAMPUS ISLAMABAD.

PART-1

(A) MAIN BUILDING

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	SECTION-1 EXCAVATOR				
101	Levelling and dressing the ground by cutting and filling earth upto 6" depth including consolidation and watering complete, as per direction of Eningeer incharge.	5000.00	Sft		
102	Excavation for raft foundations, underground tanks and septic tanks (rectangular or square) in all kinds of soil (except gravelly and murum soil wet silt, clay or mud, conglomeration of gravel and boulders, soft, sandy or disintegrated and hard rock) and back filling the excavated material all round the trenches including breaking clods, watering, consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead up to one chain (30.5 R.m) and lift upto 5 feet (1.52 m).	1000.00	Cft		
103	for additional lift 5feet upto 8 feet (0.9 m).	1000.00	Cft		
104	Structure excavation in Comman Material by mechanical means and dispose of surplus excavated materil upto 10 mile leed complete as per direction of Engineer incharge	1000.00	Cft		
105	Excavation for raft foundations, underground tanks and septic tanks (rectangular or square) in soft of disintegrated rock by hammering and chiselling, and jumper work including stacking of serviceable and unserviceable materials separately, lead upto one chain (30.5 R.m) and lift up to 5 feet (1.52 m).	100.00	Cft		
106	for additional lift 5feet upto 8 feet (0.9 m).	100.00	Cft		
107	Selected/approved earth fill under floors in layers, earth brought from out side including transportation, ramming, watering, compacting, leveling and necessary lead and lift, complete.	2000.00	Cft		
108	Filling excavated earth available at site in foundation, plinth or under floor, etc. including breaking clods, dressing, watering, consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction complete within a lead of one chain (30.5 R.m) and lift of 5 feet (1.52m).	2000.00	100Cft		
109	Providing and spreading (in layers) leveling, watering, compacting with power compactors, graded Gaira/stone ballast from approved source, dressing and finishing under floors and where required, including all lead and lift complete as directed.	5000.00	Cft		
110	Disposal of surplus excavated stuff distinct from the materials and the rubbish accumulated during construction upto one chain lead (average) and 5 feet (1.52 m) lift, levelling etc. complete. Upto 1km	117.00	Cft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
111	Providing Anti -termite treatment by spraying /sprinkling /spreading Fipronil emulsion as an overall pre - construction treatment both vertically and horizontally anti-termite (agenda)shall be excavation base, side & plinth area etc. complete and as per instructions of engineer in charge.	2000.00	P.Sft		
	Total Carried to Summary of Cost:				**-**
	SECTION-2 CONCRETOR				
	NOTE:- Rate shall be with use of as Approved Lawerance Pur sand and Marghala Crushed Stone 1/2", 3/4"(PURE) in all types of concrete Steel Shuttering/Plate Including Pipe will be used for Form work.				
201	Providing and laying in situ 1:3:6 cement concrete in walls more than 6 inches (152 mm) in thickness in superstructure using screened graded bajri 3/4 inch (19 mm) and down gauge including compacting, curing, cost of form work and its removal etc. complete in ground floor	1000.00	Cft		
202	Provide, mix, lay compact, level, finish, cure etc. prescribed mix non-structural cement concrete 1:2:4 including form work and its removal, curing etc.,	1023.00	Cft		
203	**1): Footing, bases**				
	Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 Ibs. per sq. inch (23.24 N/mm2 at 28 days in raft or strip foundation, basement and plinth with columns and pillars of required shape including form work and its removal, compacting, leveling and curing etc. complete but excluding the cost of reinforcement,	1150.00	Cft		
	2): Plinth Beams				
	Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 Ibs. per sq. inch (23.24 N/mm2 at 28 days in plinth beams of required shape and design including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, tn foundation basement and plinth	575.00	Cft		
	3): Suspended Beams and Lintals				
	i)-Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 Ibs. per sq. inch (23.24 N/mm2 at 28 days in **straight beams, lintels cantilever beams** of required shape or section including using M.S plates form work with pipe folding and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in basement and ground floor.				
	a): Ground Floor	52.50	Cft		
	b): First Floor	31.50	Cft		
	c): Top Roof	31.50	Cft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	ii)-Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 Ibs. per sq. inch (23.24 N/mm2 at 28 days in **curved beams, lintels cantilever beams** of required shape or section including using M.S plates form work with pipe folding and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in basement and ground floor.				
	a): Top Roof	50.00	Cft		
	4): Suspended slabs, projections, shelves and like:				
	Providing and laying reinforced cement concrete using and and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 Ibs. per sq. inch (23.24 N/mm2 at 28 days **in ordinary slab 5inch (127mm) to 6 inches** (152 mm) thick including using M.S plates form work with pipe folding and its removal compacting and curing etc. complete but excluding the cost of reinforcement, in basement plinth and ground floor.				
	a): Lower Ground/Ground Floor	52.50	Cft		
	b): First Floor	52.50	Cft		
	c): 2nd floor	52.50	Cft		
	5): Parapets, hanging stair pardies, decorative shades/arches, cantilevers, ribs etc.				
	Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 Ibs. per sq. inch (23.24 N/mm2 at 28 days in **coping and cornice of walls moulded to design** including form works and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in ground floor				
	a): Ground Floor	50.00	Cft		
	b): First Floor	50.00	Cft		
	c): 2nd Floor	50.00	Cft		
	d): 3rd Floor	50.00	Cft		
	6): Stair concrete (steps, waiste slab understep, mid-air landings and wall above footing etc.) upto any height any any floor.				

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 Ibs. per sq. inch (23.24 N/mm2 at 28 days in winding stairs, landing of required section including using M.S plates form work with pipe folding and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in basement plinth and ground floor.				
	a): Ground Floor	500.00	Cft		
	b): First Floor	500.00	Cft		
204	Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in **COLUMNS & SHEAR WALLS** mix not leaner than 1:1:2 (the crushing strength of works Cylindrical in this case will be 4000 Ibs. per sq. inch (31.04 N/mm2 at 28 days cast in situ including form works and its removal, compacting and curing etc. complete but excluding the cost of reinforcement.				
a	-Up to Plinth	50.00	Cft		
b	-Ground Floor	52.50	Cft		
c	First Floor	52.50	Cft		
d	Top Floor	52.50	Cft		
205	Provide, mix, lay, compact, vibrate, level, finish, cure etc. cast - in site structural concrete of 4000 PSI 28 days cube strength having the nominal mix proportions not leaner than 1: 1: 2 for O/H water tank up to any height, including form work and its removal, complete in all respects, excluding only the steel reinforcement, in:				
	a): Walls	52.50	Cft		
	b): Suspended slabs	52.50	Cft		
206	Provide, mix, lay compact, level, finish, cure etc. lean concrete 1:4:8 using 1", 1/2" , 3/4" (pure)down crush (Ref. Specs. Clause 2.2.8) including formwork and its removal, complete in all respects.				
	Top Column dowl	500.00	Cft		
207	Providing and fixing plain polyvinyle chloride (PVC) water stops 12" (305 mm) wide in vertical or horizontal expansion joints including cutting and jointing etc. complete in all floors .	50.00	P.Rft		
208	Provide, clean, cut, bend, place in position, bind etc., steel reinforcement including cost of binding wire, spacer block, wastage, steel chairs/pins and the overlaps not shown in drawings, complete in all respects:-				
	Rouind deformed steel bars 40,000 PSI yield strength (intermediate grade)				
	a): Ground Floor	4000.00	Kg		
	b): First Floor	1500.00	Kg		
	d): Top Roof	500.00	Kg		
209	**Ditto as above but 60 grade**				
	a): Ground Floor	6000.00	Kg		
	b): First Floor	5000.00	Kg		
	c): Top Roof	2000.0	Kg		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
210	Providing and laying in situ 1:1-1/2:3 cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge in **architraves, coping and cornice** etc. of required shape in superstructure including compacting, curing, cost of form work and its removal etc., complete in ground floor ..				
	a): Ground Floor	100.00	100Cft		
	b): First Floor	100.00	100Cft		
	c): Top Roof	50.00	100Cft		
211	Provide, lay, level, repair, cure, etc., total 7/8" thick terrazzo dado on walls and on floor in water tank with 1:2 (one part cement and two part of white Marble chips) over ½" thick cement sand (1:3) rough plaster base, including curing etc., complete, terrazzo to be 3/8" thick but without grinding polishing.	500.00	Sft		
	Total Carried to Summary of Cost:				-
	SECTION-3 BRICKLAYER				
	NOTE:- Rate shal be with use of Lawrenecepur approved quality sand for brick work as per required strength.				
301	a) - Providing and laying first class solid burnt brick masonry set in cement mortar 1:5 in straight or curved walls more than 13-1/2 inches (343 mm) thick including scaffolding, raking out Joints and curing etc. Complete in foundation and plinth.	1200.00	Cft		
	b) - Providing and laying first class solid burnt brick masonry set in cement mortar 1:5 in straight or curved walls 9 inches to 13-1/2 inches (343 mm) thick including scaffolding, raking out Joints and curing etc. Complete in foundation and plinth.	1200.00	Cft		
302	Providing and laying first class solid burnt brick masonry straight or curved walls in Superstructure including scaffolding, raking, out joints and curing etc, complete.				
	1) - a) 9" and over thick, set in 1:5 cement sand mortar				
	a) - Ground Floor	2500.00	Cft		
	b) - First Floor	500.00	Cft		
	d) - Top Roof	500.00	Cft		
	2.)- b) 4-1/2" thick, set in 1:4 cement sand mortar				
	a) - Ground Floor	300.00	Cft		
	b) - First Floor	500.00	Cft		
	d) - Top Roof	200.00	Cft		
303	Providing and laying first class solid burnt brick masonry set in cement mortar 1:4 with 2" to 3" (51 mm to 76 mm) cavity and 4-1/2" (114 mm) width on one side and 9" (229 mm) width on other side in straight or curved cavity walls bonded with wall ties of approved design at required horizontal and vertical spacing, including scaffolding, raking out joints and curing etc. complete in superstructure but excluding the cost of wall ties.				
	a) - Ground Floor	100.00	Cft		
	b) - First Floor	100.00	Cft		
	d) - Top Roof	100.00	Cft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
304	Extra over item 302 above Providing first class solid burnt brick masonry pillers amd columns of rectangular or square shape, set in cement mortar 1:4 with of approved design at required , including scaffolding,raking out joints and curing etc. complete in ground floor superstructure but excluding the cost of wall ties				
	a) - Ground Floor	50.00	Cft		
	b) - First Floor	50.00	Cft		
	d) - Top Roof	25.00	Cft		
305	Providing and laying first class solid burnt brick masonry set in cement mortar 1:4 for **arches** in straight or curved walls 9" to 13-1/2 inches (229 mm to 343 mm) thick including scaffolding, form work and its removal, raking, out joints, and curing etc, Complete in ground floor superstructure.,				
	a) - Ground Floor	40.00	Cft		
	b) - First Floor	20.00	Cft		
	d) - Top Roof	10.00	Cft		
306	Providing and laying first class solid burnt brick masonry set in cement mortar 1:4 for **arches** in straight or curved walls 4-1/2 inches (114 mm) and less in thickness including scaffolding, form work and its removal, raking, out joints, and curing etc, Complete in ground floor superstructure.,				
	a) - Ground Floor	40.00	Cft		
	b) - First Floor	20.00	Cft		
	d) - Top Roof	10.00	Cft		

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
307	Providing and laying wall ties of mild steel flates of approved section and design placed at horizontal and vertical spacing in cavity wall of any description in any floor at ant height.	500.00	Kg		
	Total Carried to Summary of Cost:				-
	SECTION-4 PAVIOR				
401	Provide, lay, compact, finish, cure etc. 2"thick PCC 1:2:4 topping/flooring in panels using marble dividers in joints, including curing and form work etc. complete. (Panels size not more that 25 sft, marble divider strips paid				
	a) - Ground Floor	1000.00	Sft		
	b) - First Floor	250.00	Sft		
	d) - Top Roof	50.00	Sft		
402	Provide, fill, compact, level etc. (in raised floors of baths/toilets) mass concrete 1:2:4 including curing etc. complete.	9447.38	Cft		
403	Provide, mix, lay, compact, level finish, cure etc. lean concrete 1:4:8 using 3/4" down crushed stone (Ref. Clause 2:28) including Formwork and its removal, complete in all respect (under floor)	3535.88	Cft		
404	P/Laying 4" thick reinforced cement concrete topping 1:2:4 (3000 P.S.I.) in footpath and pavement area using 3/4" graded course aggregate laid in panels, compacting to uniform broomed finish and providing joints with bitumen mix sand, complete as per instruction by the Engineer incharge, but excluding the cost of joints and steel reinforcement separately paid.	500.00	Cft		
	Total Carried to Summary of Cost:				-

	SECTION -5 MARBLE AND TILE WORKER				
501	Providing and laying floor 1 inch (25 mm) thick of cement tiles 12" X 12" X 1" (1 /2" topping and 1 /2 inch base) or 305 mm X 305 mm X 25 mm (13 mm topping, 12 mm base) in grey cement in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime two sand) including setting the tiles with grey cement slurry over lime mortar, jointing and washing the tiles with neat cement slurry, polishing and curing etc. complete including the cost of mortar..				
	a) - Ground Floor	1000.00	Sft		
502	Providing and laying floor of 1 inch (25 mm) thick white marble tiles, more than one Sq.ft. upto 3 Sq.ft. (more than 0.093 Sq.m upto 0.28 Sq.m) size fine dressed on the surface, without winding in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime two sand) setting the marble tiles with grey cement slurry over lime mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing etc. complete, including the cost of mortar..				
	a) - Ground Floor	100.00	Sft		
	b) - First Floor	100.00	Sft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
503	Providing and fixing 3/8 inch (9.5 mm) thick white marble tiles above 144 Sq. inches (928 Sq.cm) size fine dressed on the surface without windings in dado and skirting and facing etc. in ground floor over 1/2 inch (13 mm) thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry uring, finishing, cleaning and polishing etc. in internal work complete..				
	a) - Ground Floor	100.00	Sft		
	b) - First Floor	100.00	Sft		
504	Providing and fixing 1/4 inches or 6.4 mm (approx.) thick approved Pakistani make white/coloured glazed tiles from 1.5 Sq.ft to 3 Sq.ft size in dado and skirting in ground floor, over 1/2 inch (13 mm) thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tile with white cement slurry curing and cleaning etc. complete .				
	a) - Ground Floor	10465.80	Sft		
	b) - First Floor	5307.34	Sft		
505	Providing and laying floor of 6mm (approx: 1/4") thick coloured glazed tiles more then 1 Sq.ft to 2 Sq.ft size of master make or equivalent (Pakistani) first grade in ground floor laid over 1" (25mm) thick cement mortar 1:2 (1 cement and 2 sand) including jointing and washing the tiles with white cement slurry and curing etc, complete.				
	a): Ground Floor	2958.46	Sft		
	b): First Floor	1709.49	Sft		
506	Providing and laying light colour, glazed/non skid vitrified porcelean tiles (Polished) 16"x16" (1600 cm), (Pak made) on walls and floors, in any floor, laid with dry bond (stile bond) over a base of 1" thick cement mortar (1:3) including jointing to tiles with joint filler of approved quality as per direction of the Engineer incharge.	100.00	Sft		
507	Providing and laying light colour, glazed/non skid vitrified porcelean tiles (Polished) 24"x24",32"x32", 24"x48" (Pak made) on walls and floors, in any floor, laid with dry bond (stile bond) over a base of 1" thick cement mortar (1:3) including jointing to tiles with joint filler of approved quality as per direction of the Engineer incharge.	40175.27	Sft		
508	Providing and laying for stairs/steps (in risers and midstair landings) of 3/4 inch (19 mm) thick marble tiles more than 3 Sq.ft. upto 5 Sq.ft- (more than 0.28 Sq.m upto 0.46 Sq.m) size fine dressed on the surface, without winding in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime, two sand) setting the marble tiles with grey cement slurry over lime mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing etc. complete including the cost of mortar.				
	a): Ground Floor	429.48	Sft		
	b): First Floor	629.48	Sft		
	c): 2nd Floor	10.00	Sft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
509	Providing and laying for stairs/steps (in risers and midstair landings) of 3/4 inch (19 mm) thick marble tiles more than 5 Sq.ft. upto 7 Sq.ft. (more than 0.46 Sq-m upto 0.65 Sq.m) size fine dressed on the surface, without winding in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime two sand) setting the marble tiles with grey cement slurry over lime mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing etc. complete, including the cost of mortar..				
	a): Ground Floor	200.00	Sft		
	b): First Floor	10.00	Sft		
	Providing and laying floor of 3/4 inches (19 mm) thick Granite stone Pakistani Original more than 7 sq. ft. upto 16 Sq. ft. (0.65 Sq.m. upto 1.48 sq.m.) size fine dressed on the surface without winding in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime, two sand) setting the marble tiles with grey cement slurry including curing rubbing and polishing etc. complete, including the cost of mortar.	192.00	Sft		
510	Extra for making nosing of treads as per design and instructions of the Engineer-in-Charge ..	449.00	Rft		
	Total Carried to Summary of Cost:				-

	SECTION-6 PLASTERER AND POINTER				
	Note:- 1) For all plaster work approved Lawrenece pur sand complying with specified gradation limits shall be used. Rates for all kinds of plaster include the cost of labour as well as the materials related to providing/fixing this expanded metal and no separate/additional payment shall be made for this work/item. 2) All non-compression joints between concrete and masonry shall be specially treated before plastering, as under:- A 8 inch wide heavy gauge approved quality expanded metal strip shall be tightly fixed centrally over the joint with 1 inch steel nails 12 inches centre to centre longitudinally on both side of joint.				
601	Provide, apply, finish, smooth, cure, etc. 1/2" thick 1:4 cement sand internal plaster to wall upto any height etc. complete.				
	a): Ground Floor	500.00	Sft		
	b): First Floor	500.00	Sft		
	d): Top Roof	500.00	Sft		
602	Provide, apply, finish, smooth, cure, etc. 3/8" thick 1:3 cement sand ceiling plaster, complete upto any height.				
	a): Lower Ground Floor/Ground Floor	500.00	Sft		
	b): First Floor	500.00	Sft		
	d): Top Roof	500.00	Sft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
603	Provide, apply, finish, smooth, cure etc. 3/4" thick 1:4 cement sand external plaster, complete upto any height.				
	a): Ground Floor	1000.00	Sft		
	b): First Floor	1000.00	Sft		
	d): Top Roof	1000.00	Sft		
604	Providing 3/4" thick ornamental plaster with 1:3 ratio on wall, column and slab finish smooth to basement, plinth, G.floor upto any height.				
	a): Ground Floor	2000.00	Sft		
	b): First Floor	2000.00	Sft		
	d): Top Roof	1000.00	Sft		
605	Providing ornamental moulding of approved design all the junction of slabs and walls etc. in cement mortar 1:3 average thickness 1-1/8" or 29 mm (1" or 25 mm under coat and 1/8" or 3.2 mm finishing layer) including curing etc. complete in any floor.				
	a): Ground Floor	200.00	Sft		
	b): First Floor	200.00	Sft		
	d): Top Roof	200.00	Sft		
606	Making drip course 1/2" x 3/8" taper size under RCC slab, RCC coping and chajja etc. complete in all floors i/c cost of extra cement mortar 1:3 and curing etc. Complete in all floor.	1363.95	100 Rft		
607	Making 1/2" (13 mm) thick plaster band below 4" (102 mm) wide with 1:4 cement mortar in all floors including curing etc. complete.	100.00	100 Rft		
608	Providing & Fixing Machine made Guttca brick tiles facing 1-1/2" to 2" thick in cement marter 1:3 cement pointed in deep cut grooves and in any pattern as per direction of the Engineer including in any floor in any hight.	28444.03	Sft		
609	Providing and fixing machine made brick tile facing (laid flat in courses) in cement mortar 1:3 cement pointed in deep cut grooves and in pattern as per direction of the Engineer-in-Charge including rubbing, curing etc. in any floor in any hight.	7111.01	Sft		

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
610	Providing & Fixing Chakwal stone facing (laid flat in courses) in cement mortar 1:3 cement pointed in deep cut grooves and in any pattern in any colour/shades as per direction of the engineer-in-charge including the cost of rubbing, curing etc complete in any height and any floor.	100.00	Sft		
611	Providing and fixing window roll up blinds sunsreen dark out, or translucent fabric any colour/shads best qulity (imported) with manual roll up accessories and hardware from the approved suppliers and manufactures, as per direction of Engineer incharge.	4267.50	Sft		
	Total Carried to Summary:-				**-**

	SECTION-7 WATER PROOFER AND DAMP PROOFER				
701	Provide and apply 2 coats of hot bitumen as specified, using 34 Lbs. of bitumen per 100 Sft (total in both coats), to floors and sides of toilet recesses i/e one coat of approved primer and sand blinding a directed (Ref.Clause 7.6)	100.00	Sft		
702	Providing and laying 1-1/2 inches (38 mm) thick damp proof course with cement concrete 1:2:4 cast in situ using graded screened bajri of 3/4 inch (19 mm) and down gauge including compacting, curing, form work and its removal etc. complete with applying a coat of hot bitumen (maxphalt 80/100 or equivalent) using 35 Lbs. per hundred square feet (1.71 Kg/sm) on damp proof course after complete drying and cleaning the surface .	500.00	Sft		
703	Providing damp proof course on vertical surface with 3/4 inch (19 mm) thick cement plaster 1:4 mixed with any approved water proofing agent including curing etc.complete including cost of double layer of polythene sheet of 500 gauge (5 or 0.13 mm thick) under floors for water proofing laid as per specifications and instructions of the Engineer-in-Charge	500.00	Sft		
704	Providing and laying Single layer of polythene sheet of 500 gauge (5 inch or 0.13 mm thick) under floors for water proofing laid as per specifications and instructions of the Engineer-in-Charge in ground floor.	500.00	Sft		
	Total Carried to Summary:				**-**

	SECTION-8 RAIN WATER DRAINAGE FOR ROOFS				
801	Provide and install 4" dia PVC rain water down pipe with mild steel clamps bolts and nuts fixed in cement concrete 1:2:4 etc complete.				
	1) 4" inside dia	614.25	Rft		
	2) 3" inside dia	37.80	Rft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
802	Provide and install 4" dia PVC bend of any degree for rain water down pipe with clamps bolts and nuts fixed in cement concrete 1:2:4 etc complete.				
	1) 4" inside dia	30.00	Each		
	2) 3" inside dia	6.00	Each		
803	Provide, laying 1:2:4 cement concrete 2" thick Khurrahs 2'-0" x 2'-0" size on roof including finishing with cement plaster 1:4, curing etc. complete	18.00	Each		
	Total Carried to Summary:				-

	SECTION-9 CARPENTER AND JOINER (Ref.Specification Seciton -9)				
901	Providing and fixing best quality deodar frames for doors. windows, ventilators, clerestory windows, shelves, partitions, trellis work, etc., as required .	169.75	Cft		
902	Providing and fixing 1½″ thick hollow flush shutters with and including the cost of commercial plywood facing 3.7 mm thick on both faces fixed over best quality deodar wood frame according to drawing including ½″ thick best quality deodar wood lipping on all sides including the cost of approved quality rough and finish hardware, fittings and fixtures like hinges, tower bolts and handles etc. all as shown in drawings for doors etc., but excluding the cost of door lock, sliding bolt, door holder and kick plate paid separately.	200.00	Sft		
903	Providing and fixing 1-1/2" thick best quality deodar wood panelled shutter as per drawings (A-08 & Gen-01). Door fittings to be fixed as per hardware schedule i/c hinges, handles and tower bolts etc. complete but excluding cost of kick plates, door lock and sliding bolts. (Drawing 10/A)	1253.44	Sft		
904	Providing and fixing 1-1/2 inches (38 mm) thick best quality deodar wood shutters partly panelled and partly glazed with piain glass panes 24 oz. (7.3 kg/SM), approved iron hinges and tower bolts, deodar wood beading and putty packing to glasses etc., as required...	1253.44	Sft		
905	Providing and fixing 3/4 inch (19mm) thick foam rubber sheet with approved adhesivse and edge metalling screwed to shutter and frame including levelling, finishing neatly polishing metal portion as required .	200.00	Sft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
906	Providing and fixing approved brass drawer and cupboard lock with brass screws Including two operating keys: 2-3/4" (70 mm) size (4 levers)	50.00	Each		
907	Proving & fixing ward robe 24" deep consisting 19 mm thick laminated sheet on bottum , top sides partion shelves & shutters etc and 4 mm thick pressed on back side, 2-1/2" x1-1/4" best quality deodar wood frame and all open edges filled 3/4" molding PVC gola complete i/c thecost of glue iron nails screws, heavy type piano hings, 1/2" handle, catcher, locks etc, complet the as per direction of engineer incharge.	3811.88	Sft		
908	Proving & fixing kitchen wall cabinet making of shutter board box & 3/4" thick high glass lamination lasani shutter , PVC beading , PVC sheet backing of approved design etc. fixed with rawal plugs,screws i/c the cost of glue iron nails hings, handles etcas per drawing. complet the as per direction of engineer incharge.	150.00	Sft		
909	Providing and fixing approved Standard brass oxidised finger plate with brass screws. 6" x2-1/4" (152mmx58mm).	25.00	Each		
910	Extra for providing and fixing Haps and Staples C.P. brass 4" long.	15.00	Each		
911	Extra for providing and fixing approved C.P.brass handles 5" size, heavy type	15.00	Each		
912	Providing and fixing approved chromium plated brass sliding (aldrop) bolts 9" x 5/8" with necessary chromium plated brass screw and galvanised iron bolts and nuts.	7.00	Each		
913	Providing and fixing mortise door lock with handle and duplicate keys, made in Hungry (imported) or equivalent.	82.00	Each		
914	Providing and fixing with brass screws or specially supplied screws hydraulic Door Closer imported heavy duty Ruby Make (Japan) medium size, complete as per specification	129.00	Each		
915	Providing and fixing 1-1/2" (38 mm) thick uPVC Door, including uPVC door frame, with hinges, latch lock, tower bolt, handle & hardware manufactured by "ZEALCON" or approved equivalent complete in all respects, and as per sample approved by the Engineer incharge.	990.94	Sft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
916	Providing and fixing on door frame etc. with sunken iron screw best quality dedoar wood moulding/beading/architrave etc. of approved design (2-1/4" x 5/8" x 3/8" Taper), as per drawing (A-08 & Gen-01) complete.	3522.75	Rft		
917	Providing and installing suspended acoustic celing consisting of (imported as approved) mineral fibre tiles 2'-0" x 2'-0" x 13 mm metal grid framing of aluminium section having min. flange width of 15/16", in semi-matt white baked enamel finish, with perimeter anagles of same size, suspended by min. 8 gauge G.I. wire, placed maximum 6'-0" apart, the runners and placed cross members to be continuous, all duly leveled and set smooth, complete ad directed. Fixed with 3/8" dia Rawal Bolt at 3 Rft c/c (Paid for net measurement excluding	22347.59	Sft		
918	Providing and fixing Gypsum board 2' x 2'x 12mm tiles ceiling including Aluminum T & L angle 1" x 1" i.c hanger clips jointing clips and G.I Wire etc complete as required in any floor.	22347.59	Sft		
919	Providing & fixing 2" dia stainles steel pipe (18 guage) railing alongwith 4 Nos 3/4" dia parallel pipe having S/S pipe vertical post 2" dia at 3 ft c/c average spacing and 4" diavertical post at start turning and end point including cost of labour, welding charges fitting & fixing in marble floor and wall etc complete as per direction of the Engineer Incharge.	363.00	Rft		
	Note:- For all work of Aluminium doors, windows, ventilator and partitions etc. use:- i) Lock of MICO - Taiwan ii) Imported sliding bush rubber. iii) Rollers of METEX - Japan. iv) Fly screen (Jali) of OPELLETE with full patty hinge. v) Hinges of min. 3 mm thickness. vi) Imported magnetic catcher, handles & stay bars. vii) Glazing in clear glass 5 mm thick. viii) All sections in original Aluminium/Champagne color and M/s Krudson, LuckyPakistan Cables And A.C.P Deluxe Modle,. ix) All work to be as per drawing or as directed by the Engineer, complete in all respects. x) Where fixed glazing is shown alongwith openable hinged or sliding door/window shutters, the fixed glazing portion shall be paid under the items for hinged or sliding shutters nearnest or adjacent to the fixed portion provided that the fixed and and openable portion are constructed in. xi) Fixed glazing in separate/independent frames even adjacent to openable portioins, shall be paid as partitions.				

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
920	Providing and fixing double glazed Champagne anodized aluminium Sliding windows as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Executive model section dubble or single glazed 101mm x 37mm and 2mm thick including the cost of aluminium netting ,fitting, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, i/c Providing and fixing double Plain glass panes 5mm thick to M.S. Box pipe / Aluminium doors, windows and ventilators etc including the cost of labour.	7357.88	Sft		
921	Extra above items if use 5 mm tinted glass panes instead of plain.	7357.88	Sft		
922	Providing and fixing aluminium widnows/ ventilators having fixed glazed Champagne anodized portion and sliding glazed & fly screen shutter with handles rollers and locking arrangement, glazing in 5 mm thick & glazed main frame section to be of 101 x 30 x 2 mm thick & glazed fixed/moveable shutter frame of 45 mm x 25 mm x 2 mm thick and fly screen in 43 x 13-1/2" x 1.4 mm thick section of M/s Kruddson or Lucky in original aluminium colour, complete as per drawings, specification & direction of the Engineer. Providing and fixing Plain glass panes 5mm thick to M.S. Box pipe / Aluminium doors, windows and ventilators etc including the cost of	500.00	Sft		
923	Providing & fixing aluminium doors having fixed glazed Champagne anodized portion and hinged shutter with handles, door stopper, tower bolts and door lock (Alpha-Japan) main frame to be of 101 x 32 x 2 mm thick, shutter frame to be 65 mm x 42 mm x 2 mm thick, with bottom member 101 x 42 x 2 mm having corrugated kick plate 1.2 mm thick & of 1'6" height, sections to be of M/s Kruddson or Lucky, complete as per drawings, specification and direction of the Engineer. Providing and fixing Plain glass panes 5mm thick to M.S. Box pipe / Aluminium doors, windows and ventilators etc including the cost of labour	1108.60	Sft		
924	Providing and fixing fully glazed **Champagne anodized** or Powder coated aluminium Fixed windows Partition as per British standard manufactured by **Lucky, Alcop, Krudson, Pakistan Cables and A.C.P.,** (fixing through their approved fabricators) **Deluxe model** box section 101.76mm x 44.50mm and **2mm thick** including the cost of aluminium fittings, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, but excluding the cost of glass	140.00	Sft		
925	Providing and fixing with brass screws or specially supplied screws hydraulic Door Closer imported heavy duty Ruby Make (Japan) medium size, complete as per specification	5.00	Each		
	Total Carried to Summary:				-

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	SECTION-10 METAL WORKER AND GLAZER				
	(Ref. Section-10 Specificaiton)				
1001	Providing and fixing M.S. door having angle iron frame and panelled shutter of hollow sections and steel sheet including rough and finish hardware, fitting and fixtures and painting as per specs. Clause 10.5, complete in all respects as per drawing (A-08 & Gen-01).	140.00	Sft		
1002	Provide and fixing M.S. grills in 3/8" x 3/8" squar Bar to windows/ventilators etc., complete as per drawing (Gen-01) including welding, grinding and finishing as per Specs. Clasue 10.5 i/c two coats of red oxide paint (Fixed at site as per Engineer Incharge instruction).	10805.63	Kg		
1003	Providing and fixing M.S. moulded steel door frames of 5.73" x 2-1/2" (146 mm x 63 mm) manufactured from mild steel sheet of 18 gauge (1.41 mm) conforming to B.S.S. 1245 having a double rebate size 1-1/2" x 1/2" (38 mm x 12 mm) provision of 3 Nos. M.S. plate, section 1-1/2" x 1/4" (38 mm x 6 mm) (2 Nos. 6 inch long welded with frame at not less than 10 points and 1 Nos. 12 inch long welded with frame at not less than 20 points), with holes and threads for fixing steel hings, fitted with one locking box of same sheet (point welded inside the frame), 6 Nos. 6 inches long flat iron fixing lugs of 1-1/4" x 3/16" section, treated with special red oxide primer coat all around including cutting holes and filling the cavity with cement concrete 1:2:4 etc. in any floor at any height complete as directed by the Engineer-in-Charge	40.00	Rft		
1004	Providing and fixing M.S. moulded steel door frames of 10" x 2-1/2" manufactured from mild steel sheet of 18 gauge conforming to B.S.S. 1245 having a double rebate size 1-1/2" x 1/2" (38 mm x 12 mm) provision of 3 Nos. M.S. plate, section 1-1/2" x 1/4" (38 mm x 6 mm) (2 Nos. 6 inch long welded with frame at not less than 10 points and 1 Nos. 12 inch long welded with frame at not less than 20 points), with holes and threads for fixing steel hings, fitted with one locking box of same sheet (point welded inside the frame), 6 Nos. 6 inches long flat iron fixing lugs of 1-1/4" x 3/16" section, treated with special red oxide primer coat all around including cutting holes and filling the cavity with cement concrete 1:2:4 etc. in any floor at any height complete as directed by the Engineer-in-Charge	40.00	Rft		
1005	Providing and fixing collapsible steel shutter or gate with vertical channels, flat iron diagonal top and bottom rails with steel rollers of required size, T-iron bottom track rivetting the junctions, including locking arrangements and handles, cutting and making good damages to walls etc. painting two coats of red oxide paint, fixing bottom track with C.C. 1:2:4 complete as required in any floor	255.00	Sft		
1006	Providing and fixing GI razor wire 18 guage 1'-6" dia at 6" centre to centre with double razor and 1/4" dia G-I wire bars at top and bottum etc complete as per direction of the Engineer Incharge.	500.00	Kg		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
1007	Providing and fixing galvanized iron barbed wire fencing (with four points) to the posts of any description complete with hooks and binding wire etc- if required (cost of posts not included).	500.00	Kg		
1008	Providing and fixing M.S tees, angles, and flats including welding all the sides of the section at the junction, gusset plates where reaquired bolts, nuts etc. complete with hoisting and erecting in position in steel trusses, frames, towers and stair etc. of any design in ground floor.	500.00	Kg		
1009	Providing and laying mild steel perforated grating over drain as per direction of the Engineer-in-Charge complete	500.00	Kg		
1010	Providing and fixing 24 B.W.G corrugated galvanized iron sheets with galvanized iron hooks, bolts, nuts, limpets and bitumen washers etc, without valleys and ridges (excluding the cost of frame work) in ground floor.	100.00	Sft		
1011	Providing and fixing 1/2 inch (13 mm) thick thermopore sheets or its equivalent standard in dado and skirting of approved shade and size in ground floor including fixing with brass screws over wooden frame but excluding the cost of wooden frame complete.	100.00	Sft		
1012	Fabrication and fixing of the Fiber shed consisting of 5-Ply fiber sheet and 2"x2" M.S. Box pipe 16 guage main frame beams and central bracing 2"x2" at 24" c/c diagonal and 2"x2" support upto 2 feet c/c over 4" dia M.S. pipe 16 guage 10-14 feet heigh i/c the cost of excavation , with pcc 1:2:4 and rcc with steel and MS steel plate 1/2" thick in foundation , size 2'x2' cutting fitting, welding paiting etc. complete as per direction of engineer incharge.	2500.00	Sft		
	Total Carried to Summary:				-

	SECTION-11 PAINTER AND DECORATOR				
1101	Provide and apply one coat of Dulux/ Robbialac Primeon/ Alkali Resisting Masonry Sealer and minimum 2 coats of Dulux Special Plastic Emulsion or Robbialac VIP including surface preparation filling and rubbing etc., as per Specs. Section-6700-5, complete in all respects, upto any height at any floor	95865.29	Sft		
1102	Distempering with vinyle distemper (ICI) Dulux Paintex of approved make and shade in minimum two coats over and including the cost of one priming coat of lime wash including sand papering, dusting, and filling the holes, cracks and inequalities, if any, at any height in any floor.	45767.03	Sft		
1103	Provide and apply enamel painting with ready mix paint of Dulux/Robbialac make, 2 coats over and i/c the coat of priming/filling/finishing, complete at any height in any floor as per specification on:-				
	a): Wood work	2506.88	Sft		
	b): Steel work i/c grills and plastered surfaces	9039.50	Sft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
1104	Lacquer polishing including sealer (ICI) on wood work at any height in any floor .	1000.00	Sft		
1105	Providing/applying 3 coats of ICI weather Shield paint to plastered surface in approved colour/shade and according to the approved colour scheme including applying primer of same manufacturer. The surface is to be properly prepared by rubbing, sand papering, cleaning and making smooth before applying the priming coats, complete as directed any height at any floor.	30000.00	Sft		
1106	Providing and applying graphic paint of approved manufacturer (Rockwall/Gritwall) wall coasting 2.5mm to3mm thick straight and swirt on external walls/area at any height at any floor. including curing and finishing etc., complete	5000.00	Sft		
	Total Carried to Summary:				**-**
	SECTION-12 WATER SUPPLY, SAINTARY, PLUMBING, FIXTURES & SEWRAGE				
1201	Providing and fixing water closet ICL/Forte make Orisa-900 white, export quality, with low down Goldman (plastic) flushing cistern 3 gallons capacity i/c syhonic fitting, 1/2" dia C.P. brass stop cock (Master/Faisal Make), C.P. connection, 1-1/2" G.I. flush pipe with extra bends, length, fittings, clamps, P-Trap etc. complete	15.00	Each		
1202	Providing and fixing best quality squatting type earthern ware W.C. pan (porta or equivalent) complete with and including the cost of 13.6 liter best quality low level plastic slushing cistern with internal fittings complete , PVC flushing pipe suitable for squatting type with extra bend and length with fittings, PVC trap 4 inches (100 mm) dia making requisite number of holes in walls, plinth & floor for pipe connection and making good in cemnent concrete 1:2:4	20.00	Each		
1203	Providing and fixing best quality white glazed earthenware One piece toilet (Commode) coupled with flush tank (Porta or Equivalent) Model 100N complete with and including cost of plastic seat with buffers, with internal fittings including 1/2" dia C.P. stop cock (Faisal make) and C.P. flexible connection,complete.	33.00	Each		
1204	Providing & fixing best quality earthern ware vanity basin (porta or equivalent) standard size (white/light color) and including the cost of 1-1/4" rubber plug and chrome plated brass chain pvc waste pipe 1-1/4" dia of apporved pattern etc. complete	64.00	Each		
1205	Extra over item 1205 above for providing single hole chromium plated mixer tap 1/2" dia Magna make, instead of the pillar cock i/c P/F one additional C.P. Brass stop cock (Magna make) complete.	64.00	Each		
1206	Providing and fixing 24″ x 18″ mirror of imported Belgium glass 5mm thick or equivalent as approved, with plastic frame complete fixed to wall with spacers using C.P. screw 2″ long complete.	64.00	Each		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
1207	Providing and fixing Plastic Rack/Shelf 24" long of Master make with C.P. screws as approved by the Engineer Incharge.	64.00	Each		
1208	Providing and fixing 30″ x 1″ dia approved quality Chrome plated brass towel rail of Faisal make complete with brackets fixed with 1½ ″ long C.P. screws and rawal plug.	64.00	Each		
1209	Providing and fixing plastic toilet paper holder of Master mke with C.P. screws.	64.00	Each		
1210	Providing and fixing 1/2" dia C.P. bib cocks i/c c.p nipple (heavy duty Asia/Megna/master/faisal made, as approved.	50.00	Each		
1211	Providing and fixing 1/2" dia C.P. T. Stop cocks i/c c.p nipple (heavy duty) Asia/Megna/master/faisal made, as approved.	50.00	Each		
1212	Providing and fixing lever mixer C.P of Faisal make heavy duty of approved quality etc complete.	64.00	Each		
1213	Providing & fixing stainless steel floor trap grating (JALI) etc complete as par size.	100.00	Each		
1214	Supplying & fixing Muslim Shower with double Bib cock & ring Pipe etc complete Quality like, (Sonex /Faisal or equivalent)	35.00	Each		
1215	Providing and fixing bath room accessories of set of 7 pieces consist of one cosmatic shelf, one towel rod with bracket, one soap dish, one tooth brush holder with glass and cover, one tissue paper holder one double hook one towel ring etc complete of approved quality as per direction of Engineer in-charge.	23.00	Each		
1216	Providing and fixing 6" x 6" C.I.gully trap with 4" internal dia outlet i/c 6" x 6" C.I. frame and cover heavy duty including making brick masonry chamber in B.B. 4-1/2" thick laid in 1:3 cement sand mortar and plastering the chamber with 1:3 cement sand mortar, making its foundation with 3" thick 1:2:4 cement concrete i/c excavation of chamber of required size and level i/c backfilling/finishing etc. complete.	10.00	Each		
1217	Providing, fixing, jointing, testing and disinfecting good quality G.I. Pipes (Medium) and specials i.e. Sockets, Tees, Elbows, Bends, Cross, Reducers, Clamps, Nipples, Plugs and Unions etc. including two coats of approved bitumastic paint on concealed lines and enamel paint on surface lines, for:- Water pipelines burried in trenches, under floor or suspended from slab and duct or chased in walls i/c repair of chases and ducts where required, complete.-				
	i): ½″ dia (14 SWG)	100.00	Rft		
	ii): ¾″ dia (13 SWG)	100.00	Rft		
	iii): 1″ dia (12 SWG)	100.00	Rft		
	iv): 1½″ dia(11 SWG)	150.00	Rft		
	v): 2″ dia(11 SWG)	500.00	Rft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Providing and fixing gun metal full way heavy duty gate valves for water, (Asia/Anwar/Bag) with wheel, threaded ends, complete as specified and as approved;				
1218	i): 3/4" dia	20.00	Each		
	ii): 1" dia	20.00	Each		
	iii): 1-1/4" dia	5.00	Each		
	iv): 1-1/2" dia	5.00	Each		
	v): 2" dia	15.00	Each		
	v): 2-1/2" dia	1.00	Each		
	vi): 3" dia	1.00	Each		
1219	Providing, laying, fixing, testing and disinfecting, polypropylene pipelines for cold and hot water supply as per DIN 8077/8078 PN-20 for pipe and DIN 16962 PN-25 for fittings or equivalent BS specification Dadex, Firat (Turkey make) or formul (Turkey make) make as approved by the Engineer Incharge complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket, etc., supported on walls or suspended from slab or run in chases including supports, cutting and making good the same as necessary to the structure, excavation and backfilling in layers complete in all respects.				
	i) 20 mm o/d	1000.00	Rft		
	ii) 25 mm o/d	890.00	Rft		
	iii) 32 mm o/d	450.00	Rft		
	iv) 40 mm o/d	500.00	Rft		
	v) 63 mm o/d	550.00	Rft		
1220	Providing and fixing un platisized polyvinyl chloride pipe (U.P.V.C) “D” class (Acid Proof) of "Dadex" with specials such as bend Tee elbo reducer union floop trap etc. and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc., after cleaning the pipe and cartage within 10 miles (16.09 km).				
	i): 8" dia	400.00	Rft		
	ii): 6" dia	520.00	Rft		
	iii): 4" dia	540.00	Rft		
	iv): 3" dia	450.00	Rft		
	v) 2" dia	170.00	Rft		
1221	Providing and fixing approved quality stainless steel sink 48” x 20” Pak made (Atlas) complete with brass oxidized bolt kit/angle iron brackets built into walls ½” dia CP sink mixer 1-1/4” rubber plug and CP brass chain 1-1/4” CP brass waste 1-1/4” dia malleable iron or CP brass bottle trap with malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	2.00	Rft		
1222	Providing and fixing submerible Pumping set Comprising of submerisible Pump with 3 HP 2850/2900 RPM, 220/230 V AC electric motor capable to discharge 500 US GPH (Gallons Per Hour) of Clear water at head of 280 to 350 ft including errection clamp, non return valve, motor control until, complete in all respect as approved by the engineer incharge as required.	2.00	Each		
	Total Carried to Summary of Cost:				-

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
1301	Providing and laying 3 coat of bitumen emulsion at the rate of one gallon per 100 Sft on wall and floor i/c surface preparation of concrete and two coats of bitumen at the rate of 30 lbs per 100 Sft total for both coats, at any height.	100.00	Sft		
1302	Providing and laying double layer of polythene sheet of 50 gauge (1 inch) under/over floors/roof for water proofing laid as per specification and instructions of the Engineer Incharge, (upto any height)	100.00	Sft		

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Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
1303	Providing and laying 2 inches (51 mm) thick damp proof course with cement concrete 1:2:4 cast in situ using graded screened bajri of 3/4 inch (19 mm) and down gauge including compacting, curing, form work and its removal etc. complete with applying a coat of hot bitumen (maxphalt 80/100 or equivalent) using 35 Lbs. per hundred square feet (1.71 Kg/sm) on damp proof course after complete drying and cleaning the surface .	500.00	Sft		
1304	Provide, fill, compact, level, cure etc. 1:2:4 mass concrete in raise Floor.	5074.01	Cft		
1305	Provideang laying terrazzo floor 1-3/4 inches consisting of 3/4 inch thick topping 1:2 (1 white cement 2 approved white marble chips no.0 tp 6) over base of 1:2:4 cement concrete 1" thick laid in panels or pattern including form work, curring cutting, rubbing and polishing etc complete.	15375.79	Sft		
1306	Provideand and laying 1/2" thick marble patties upto 1-1/2" depth in floor and dado of any description in all floor.	12147.81	Rft		
	Total Carried to Summary of Cost:				-
	Note: Bitumen ratio will be 50% 80/100 and 50% 10/20				

	SECTION-14 SUI GAS INTERNAL				
	Note:- All work concerning Sui Gass shall be executed in accordance with contract specification and requirements of the Sui Northern Gas Company by a Sub-contractor duly approved/licensed by the Sui Northern Gas Company. All work shall be tested and a test report submitted in accordance with the requirements of Sui Company. the contractor shall also be responsible for having the work cleared/approved from the Gas Company as and where necessary.				
1401	Provding, laying, fixing, jointing testing commissioning Sui Gas G.I socketed pipe **(Medium)** and specials, on surface including all cost of supports hangers, jointing material and painting with tow coats of enamel paint complete in all respect to the requirement of S.N.G.P.L. **Note:** One extra union will be fixed along with every gas cock.				
	i) : 2" dia 50 mm	300.00	Rft		
	ii) : 3" dia 80 mm	50.00	Rft		
	iii) : 1" dia 25mm	491.00	Rft		
	iv) : 1-1/2" dia 40mm	122.00	Rft		
	v): 1-1/4" dia 30mm	183.00	Rft		
1402	Providing and fixing gun metal full way heavy quality Ball Valve, Asia/Anwar/Baig wit handle, complete as specified and approved.				
	i) : 2" dia 50 mm	6.00	Each		
	ii) : 1" dia 25mm	10.00	Each		
	iii) : 1-1/2" dia 40mm	7.00	Each		
	iv): 1-1/4" dia 30mm	10.00	Each		
1403	Providing, Instalating, Testing & Commissioning of Dual Supply (Gas & Electric) Geysers, with fully automatic thermostate, 35 Gallon capacity – Corona/Nasgas/Singer/Canon make having pressure relief valves including making Electric, water and gas connection with existing points etc.,	6.00	Each		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
1404	Providing, Installing, Testing & Commissioning of Instant Electric Geysers 25 Litters, complete in all respect, as approved by the Engineer Incharge	6.00	Each		
1405	Providing and fixing Kitchen Hood superior quality with SS canopy filter front and back made up of tempered glass, powerful blower motor, LED light and manual control as approved etc complete in all respect i/c electrical connection as required.	2.00	Each		
1406	P/F Gas Room Heater with two Burner(Fires make) with all accessories, gas inlet connection, gas cock eetc., and fixing G,I sheet 26 Gauge flue of appropriate size and design complete in all respect as per direction of the Engineer Incharge including testing/commissioning, complete.	2.00	Each		
1407	P/F gas cooking range with three Burner 34" Size Pakistan Singer model No. SG 307/312 (aproved / equilent) with all accessories, gas in let connection, gas cock, etc., complete in all respect, as per direction of Engineer Incharge i/c testing/commission complete.	1.00	Each		
1408	Providing and fixing gas chullah having 2 burners of M/s Uni-gas made 28" x 14" x 7" size and 6 kg weight of stain less steel, with tray, gas cock etc. complete as directed.	2.00	Each		
	Total C/O to Summary of Cost:				-

	SECTION-15 DISMANTILING AND DEMOLISHING				
1501	Dismantling stone masonry in mud mortar in foundation, plinth and ground floor including stacking salvaged material (serviceable) and disposing surplus stuff as directed within three chains (91.5 m) .	10000.00	100-Cft		
1502	Dismantling C.C. work cast in situ in foundation, basemont, plinth and ground floor including disposing of the material as directed within three chains (91.5 m).	5000.00	100-Cft		
1503	Dismantling R.C.C. including separating reinforcement from concrete in foundation, basement, plinth and ground floor including stacking at site and disposing of unserviceable material within three chains (91.5 m)	2000.00	100-Cft		
1504	Dismantling C.C. floor upto 2" (51 mm) thick in basement, plinth and ground floor including disposing off the material as directed within three chains (91.5 m).	500.00	100-Sft		
	Total C/O to Summary of Cost:				-

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
PART - 1 -B EXTERNAL SERVICES					
1. FOOTPATH, PAVED AREAS, ROADS, DRAINAGE AND LAND SCAPING					
EX-F-101	Excavation or cutting in all kinds of soil (except gravelly, murum, wet silt, clay or mud and rock) to a required grade, camber and side slopes including dressing top and sides and disposal of excavated stuff within a lift of 5 ft. (1.52 m) and lead upto 100 ft. (30.5 m).	11970.00	Cft		
EX-F-102	Making earthen embankments with earth taken from approved borrow pits including cost of excavation, placing earth in layers not exceeding 9" (229 m) depth as per approved section including dressing top and sides of the bank within a lift of 5 ft. (1.52m) and lead upto 100ft. (30.5 m) in all kinds of soil (except gravelly, murum, wet silt, clay or mud and rock).	1000.00	Cft		
EX-F-103	Preparation of sub-grade over top of embankment already compacted to at least 95% modified A.A.S.H.O. maximum dry density with required dressing including cutting to required grade, camber and side slopes and disposal of surplus earth within three chains lead (92 m) complete.	1000.00	Sft		
EX-F-104	P/Filling clean coarse river sand under footpath & pavement area i/c all lift and leads, watering, ramming and compacting etc., complete.	500.00	Cft		
EX-F-105	P/Laying cement concrete 1:4:8 in base course of footpath and pavement area using 1" graded course aggregate, levelling compacting curing etc., complete	1567.50	Cft		
EX-F-106	Providing and laying reinforced cement concrete using sand and crushed graded boulders 3/4 inch (19 mm) and down gauge in place of screened graded bajri of mix not leaner than 1:1-1/2:3 (the crushing strength of works cube in this case will be 3750 lbs. per sq. inch (23.24 N/mm2 at 28 days in raft or strip foundation, basement and plinth with columns and pillars of required shape including form work and its removal, compacting, leveling and curing etc. complete but excluding the cost of reinforcement, RCC Wall Footing	5670.00	Cft		
EX-F-107	Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3750 lbs. per sq inch (23.24 N/mm2) at 28 days with a mix not leaner than 1:1-1/2:3 in straight walls, vertical fins etc. more than 6 inches (152 mm) thick including form work and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in ground floor.	7687.50	Cft		
Ex-F-108	Providing and laying first class solid burnt brick masonry set in cement mortar 1:5 in straight or curved walls 9" to 13-/2 inches (228 mm to 343 mm) thick including scaffolding, raking out Joints and curing etc. complete in foundation, basement and plinth (foundation and basement masonry upto 5 feet (1.52 Ru.m.) depth and plinth upto 4 feet (1.2 Ru.m.) height from ground level) .	2500.00	Cft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
Ex-F-109	Provide, lay, mix, compact, finish, cure,etc. 2" thick P.C.C 1:2:4 **Topping for copping** including curing and form work etc., complete	157.00	Cft		
EX-F-110	Providing and laying uncoursed rubble masonry in cement mortar 1:6 in **foundation, plinth** and basement including scaffolding, curing etc. complete .	5000.00	Cft		
EX-F-111	Providing and laying coursed rubble masonry first sort in cement mortar 1:6 in **superstructure** including scaffolding, curing etc. complete in ground floor.	3000.00	Cft		
EX-F-112	Providing and apply raised or cut pointing on stone work with 1:2 cement mortar mixed with pigment or required colour in plinth & ground floor i/c raking, out joints, curing, etc, complete.	500.00	Sft		
EX-F-113	Providing and laying kerb stone 18" x 12" x 6" (457 mm x 305 mm x 152 mm) obtained from approved quarry, chisel dressed on top and sides, laid in cement mortar 1:4 ruled cement pointing in cement mortar 1:3 including cost of excavation and back filling of excavated stuff and its disposal within one chain lead as desired .	900.00	100 Rft		
EX-F-114	P/laying in floor C.C 1:2:4 tuff pavers 2" thick of approved design and colour and pattren (average strength 7000 psi) laid on sand cusion filling of joint with sand and warring etc. complete as par direction of Engineer Incharge (the cost of sand coshion is included)	6000.00	Sft		
EX-F-115	P/Laying 4" thick reinforced cement concrete topping 1:2:4 (3000 P.S.I.) in footpath and pavement area using 3/4" graded course aggregate laid in panels, compacting to uniform broomed finish and providing joints with bitumen mix sand, complete as per instruction by the Engineer incharge, but excluding the cost of joints and steel reinforcement separately paid.	3000.00	Cft		
EX-F-116	P/lay deformed M.S. reinforcement bars, complete as per specificaton (Grade: 40,000 P.S.I).	15000.00	Kg		
EX-F-117	Providing and laying mild steel grating with or without perforated over drain as per direction of the Engineer-in-Charge complete.	500.00	Kg		
EX-F-118	Fabrication and fixing of the Fiber shed consisting of 5-Ply fiber sheet and 2"x2" M.S. Box pipe 16 guage main frame beams and central bracing 2"x2" at 24" c/c diagonal and 2"x2" support upto 2 feet c/c over 4" dia M.S. pipe 16 guage 10-14 feet heigh i/c the cost of excavation , with pcc 1:2:4 and rcc with steel and MS steel plate 1/2" thick in foundation , size 2'x2' cutting fitting, welding paiting etc. complete as per direction of engineer incharge	1500.00	Sft		
EX-F-120	Dismantling C.C. work cast in situ in foundation, basemont, plinth and ground floor including disposing of the material as directed within three chains (91.5 m).	1000.00	100-Cft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
EX-F-121	Dismantling R.C.C. including separating reinforcement from concrete in foundation, basement, plinth and ground floor including stacking at site and disposing of unserviceable material within three chains (91.5 m)	500.00	100-Cft		
EX-F-122	Providing and laying floor 1 inch (25 mm) thick of cement tiles 12" X 12" X 1" (1 /2" topping and 1 /2 inch base) or 305 mm X 305 mm X 25 mm (13 mm topping, 12 mm base) in grey cement in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime two sand) including setting the tiles with grey cement slurry over lime mortar, jointing and washing the tiles with neat cement slurry, polishing and curing etc. complete including the cost of mortar..				
	a) - Ground Floor	5208.00	Sft		
	Total C/O to Summary of Cost:				**-**

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Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
PART- 1-B EXTERNAL SERVICES					
2 - EXTERNAL WATER SUPPLY AND SEWERAGE					
EX-W-201	Excavation for pipe line trenches, manholes etc., in any type soil including gravel upto required depth including back filling in trenches and under floors, watering ramming, compacting and disposal of un-suitable and surplus excavated material within the project limits including lift etc. complete.	1000.00	Cft		
EX-W-202	P/F jointing testing and disinfecting G.I Pipe **Medium quality** i/c all specials such as tees, bends, elbows nipples, sockets, unions, reducers, crosses, clamps, plugs etc., i/c two coats of bitumastic paint and wrapping polythene sheet 50 gauge (.001") thick in trenches, one spare union to be fixed near valve.				
	2" dia	800.00	Rft		
	1-1/2" dia	100.00	Rft		
EX-W-203	P/F gun metal full way heavy duty gate valve for water of Asia/Baig/Anwar make with wheel threaded end, complete as per specifications and approved by the Engineer Incharge.				
	2" dia	6.00	Each		
	1-1/2" dia	5.00	Each		
EX-W-204	P/laying RCC pipe class 'A' levelling fixing in trenches, cutting fitting and jointing i/c wrapping with hassan cloth in neat cement slurry and embedding the whole joint in minimum 4" thick and minimum 12" long PCC 1:4:8 all round every joint, curing, testing with water to a head of 4" above the top of the highest point on pipe, including cartage etc.				
	1): 6" Dia	100.00	Rft		
	2): 9" Dia	245.00	Rft		
	3): 12" Dia	215.00	Rft		
EX-W-205	P/manholes for sewers of 3' x 3' inner size up to any depth as shown on the drawing consisting of 4" thick PCC 1:4:8 bed, first class burnt brick masonry walls set in 1:3 cement sand mortar 1:2:4 plain cement concrete channels and benching, 1/2" thick cement plaster in 1:2 cement sand mortar to all inside surface etc., including making required number of main and branch connections and providing and fixing 24" dia meter C.I manhole cover and frame heavy duty (Faisal/Tipu) as approved by the Engineer Incharge i/c R.C.C 6" thick 1:2:4 top slab and including steel reinforcement 1/2" dia 6" c/c both ways, i/c excavation and back filling complete. For depth upto 4'-0" (from bottom of PCC 1:4:8 to top of manhole).	30.00	Each		
EX-W-206	Extra above item No. EX-W-206, for depth in eccess of 4'-0"	50.00	Per inch		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
EX-W-207	Supply and installation of Main Earthing comprising copper plate 24" x 24" x 1/4" placed at 12 feet depth not less than 10 feet away from the building foundations, connecting to the distribution board by double run of 8 SWG bare copper conductor, including excavation and back filling with coal lime slat mixture in 1:1:1 ratioi around the plate, and fixing 1-1/2" dia G.I. water and feed pipe to full depth of excavation, including cost of brick masonry chamber of 12" x 12" clear size sinside duly plastered inside, M.S. hinged cover of 16 SWG thick M.S. sheet and 1" x 1" x 1/8" angle iron frames, duly enamel painted, complete as per specification and as directed. The chamber is to be constructed on firm/original ground to avoid settlement.	2.00	Job		
	Total C/O to Summary of Cost:-				**-**

PART- 1-B EXTERNAL SERVICES					
3 - EXTERNAL WORKS OF SUI GAS					
	Note:- All Work concerning Sui Gas shall be executed in according with contract specification and requirements of the Sui Northern Gas Company by a Sub-contractor duly approved/licensed by the Sui Northern Gas Company. All work shall be tested and a test report submitted in accordance with requirements of Sui Gas Company. The contractor shall also be responsible for having the work cleared/approved from the Gas Company where necessary. Excavation of trenches up to any depth , in all kind of soil, refilling of trencyhes, providing and laying, cutting, cleaning and welding etc., high pressure M.S pipe as per SNGPL requirements, including all accessories such as bend, tee etc., complete as per specification including testing/commissioning but excluding the cost of Fibre Glass wrappings paid separately:				
EX-S-301	Providing, laying and commissioning high pressure, MS Pipe, including cleaning applying primer, coating with BBES (bitumen, binding, enamel surface) compound and wrapping with fiber glass, complete as laid in trenches (excluding excavation).				
	1): 2" dia (9 SWG)	500.00	Rft		
	Total C/O To Summary of Cost:				**-**

PART- 1-B EXTERNAL SERVICES					
4- UNDER GROUND WATER TANK					
EX -401	Structural excavation of foundation in any type of soil including gravel upto required depth including back filling trenches and in floors, watering, ramming, compacting and disposal of un-suitable and surplus excavated material within the project limit.	6615.00	Cft		
EX -402	P/mix, lay, compact, level, finish cure etc.lean Concrete 1:4:8 with maximum 1" down cuorse aggregate (Ref.Specs. Clause 2.28) including form work where required and its removal, complete in all respect.	207.90	Cft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
EX -403	P/mix,lay,compact level, finish cure etc. cast-in situ structural reinforced concrete of 3750 PSI 28 days minimum cube strength having the nominal mix proportions not leaner than 1: 1 1/2: 3 including form work and its removal, complete in all respects excluding cost of steel reinforcement.				
	1): Walls and parapet.	1041.60	Cft		
	2): Suspended slab /Motor Pump room slab.	374.26	Cft		
	3): Floor slab on ground.	630.00	Cft		
EX -404	Providing and laying first class solid burnt brick masonry set in cement mortar 1:6 in straight or curved walls 9" to 13-1/2 inches (228 mm to 343 mm) thick including scaffolding, raking out Joints and curing etc. complete in foundation, basement and plinth (foundation and basement masonry upto 5 feet (1.52 Ru.m.) depth and plinth upto 4 feet (1.2 Ru.m.) height from ground level) .	100.00	Cft		
EX -405	Providing and laying first class solid burnt brick masonry set in cement mortar 1:6 in straight or curved walls 4-1/2 inches (228 mm to 343 mm) thick including scaffolding, raking out Joints and curing etc. complete in foundation, basement and plinth (foundation and basement masonry upto 5 feet (1.52 Ru.m.) depth and plinth upto 4 feet (1.2 Ru.m.) height from ground level) .	15.00	Cft		
EX -406	P/clean cut, bend, place in position, bind etc. steel deformed bars including cost of binding wire, spacer locks, steel chairs and the overlaps not shown in drawing, complete in all respect. Grade: 40,000 P.s.I yield strength	7000.00	Kg		
EX -407	Provide and supply 1/2" thick 1:3 cement sand plaster including curing etc. complete.	1446.90	Sft		
EX -408	Provide, lay, level repair, cure.etc. total 7/8" thick terrazzo dado on walls and floor in water tank with 1:2 (one part cement and two part of white Marble chips) over 1/2" thick cement sand (1:3) rough plaster base, including curing etc., complete, terrazzo to be 3/8" thick but without grinding polishing.	1446.90	Sft		
	Total C/O To Summary of Cost:				-

PART - II (NON SCHEDULE ITEMS)					
A-MAIN BUILDING					
P-II-A-01	Supply and fix, 12mm thick tempered Glass (Ghani,Tariq float or equvelent) door in any size including all necessary accessories i.e. pivot machine, S.S handle, D lock etc as specified & as per instruction of engineer in charge	1108.60	Sft		
P-II-A-02	Supply and fix, 8mm thick tempered Glass (Ghani,Tariq float or equvelent) Wall Partation in any size including all necessary accessories i.e. U Clamp, Chanels, Secrew etc as specified & as per instruction of engineer in charge	1000.00	Sft		
P-II-A-03	Providing & fixing curtain with lining of approved good quality cloth including railing pipe 1" dia 18 Swg i/c end cap, rings and hooks etc. of approved quality.Complete with all respect as directed by Engineer Incharge .	4267.50	Sft		
P-II-A-04	Providing, fixing best quality Ablution mixer Faisal/ Master made i/c all fitting and fixtures complete	20.00	Each		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
P-II-A-05	Providing and fixing **Hand Drier** (Sensored) **imported** including all necessary fittings complete in all respects as specified and as directed by Engineer incharge at site.	12.00	Each		
P-II-A-06	Providing and fixing electric water Dispencer NAS /Orient,-or approved make, including 2 No,s 19 litter water filled bottles, and Electric connection with existing points etc., complete with testing/commissioning, installed etc complete.	6.00	Each		
P-II-A-07	Providing and fixing electric water cooler NAS GAS (DIX - NC-35) Fully stainless steel, Singer, make, including water connection, waste pipe connection and electric connection with existing points etc., complete with testing/commissioning, installed etc complete, 30 gallons capacity.	6.00	Each		
P-II-A-08	Providing and fixing water filter plant (3 stage) of equa safe or equilent with existing water coolr i/c connection complete as directed by engineer incharge.	6.00	Each		
P-II-A-09	Providing and fixing MS, cover of clear size 24" x24" comprising 1 1/2"x1 1/2" x 1/8" angle iron frame with 4 No's hold fasts and 16 SWG M.S Sheet Shutter with 1 1/4" x 1 1/4" x 1/8" angle iron frame with hinges and locking arrangement and enamel painting 2 coats over base coat complete as per Engineer Incharge's	4.00	Each		

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Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
P-II-A-10	Supply, and install high-quality, heavy-duty commercial-grade carpet tiles in designated Early Childhood Education (ECE) areas, including classrooms, activity rooms, reading corners and learning spaces, as per approved drawings and specifications.	5000.00	Sft		
P-II-A-11	Providing, supplying and fixing 2.0 mm thick commercial-grade homogeneous PVC vinyl sheet flooring, suitable for intensive use in Early Childhood Education classrooms, activity rooms and learning spaces. The flooring shall have a durable, hygienic, stain-resistant, anti-slip and easy-to-clean surface, with low VOC emissions and compliance with relevant international standards. The material shall be resistant to normal classroom spills, abrasion and frequent cleaning. complete in all respects as per manufacturer's recommendations and approved samples.	2000.00	Sft		
P-II-A-12	Providing, supplying and installing high-quality commercial-grade rubber flooring tiles, manufactured from durable rubber material, suitable for Early Childhood Education classrooms, indoor play areas and children's activity zones. The tiles shall have a non-slip, resilient and impact-absorbing surface, with a minimum thickness of 6 mm. complete installation as per approved samples and manufacturer's specifications.	2000.00	Sft		
P-II-A-13	Providing and Fixing Name/Indication Plates of 3d acrylic-6mm front and back Laser CNC cutting finely Matt finished With Screw/Spacer fitting as per design approved by the engineer incharge	4200.00	Per Sq. Inch		
P-II-A-14	Ditto as above but make with 8mm plan Baweled glass.	600.00	P.sq inch		
P-II-A-15	Providing and fixing Looking glass imported China Belgium or approved 5/6 mm thick i/c edging of approved 6 Sft size fixing with clamps C.P screws good quality complete as per direction of Engineer Incharge	400.00	P.Sft		
P-II-A-16	Supply and install M.S Powder coated louvers door (16 Swg) complete , with all hardware required, locks, door frame, iron mongeries according to, drawings, specifications and as approved by the Architects. at any floor.	400.00	P.Sft		
P-II-A-17	Providing, fabricating and fixing Heavy duty wall mounted S.S. (Grade 304) Railing, using 63mm dia pipe for rail, fix with bracket in wall, fixing detail as per drawings, including cost of specials, bends, threading, cutting and making good damages on wall of any kind etc. at any floor. complete as per instruction of the Engineer-in-Charge	400.00	Per Rft		
P-II-A-18	Extra cost of tempering of windows Glass, complete in all respect.	14715.75	Sq.Sft.		
P-II-A-19	Providing, making and fixing sound proof panel of size 24"x48" including pasting 1" foam sheet on commercial chip board sheet 3/4" thick with cushing of jeot cloth of approved colour and shade fixed using and making wooden frame 2'x2' consisting of batten partal wood 2"x1" size on wall, with screws/nail, Complete as per drawing and specification or as approved by Engineer Incharge.	1200.00	Sft		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
P-II-A-20	Providing & laying bare copper wire 25mm2 (4 SWG) on all types of poles and service posts including binding wire as required.	180	Rm		
P-II-A-21	Supply and installation of 5 pin 32 Amps Industrial socket unit wall mounted typecombined unit with appropriate size of back steel box 16SWG, two coats of antirust paint, fixed recessed to walls or ceiling including connection, complete in all respect as approved by the Engineer Incharge.	4.00	Each		
P-II-A-22	P/F Volt Meter analog 96mm x 96mm of approved manufacturer	6.00	Each		
P-II-A-23	P/F Ampere Meter analog 96mm x 96mm CT operated 150 to 1000 Amp of approved manufacturer	5.00	Each		
P-II-A-24	P/F Current transformer 600/5 Amp of approved manufacturer	2.00	Each		
P-II-A-25	P/F float switch to the over head water tank and connected to the existing water pump i/c floating swtich and electric wiring (UGWT to OHWT) in PVC conduct.	2.00	Each		
P-II-A-26	Supply, Installation, Testing & Commissioning of False Ceiling Exhaust Fan 12" / 35 watt Plastic Body with best quality approved complete in all respects. Exhaust Fan shall be latest model (Pak Fan / Royal / Climax / Younas / Millat / Voldam / Rico) and best quality having pure copper (99.99 %) winding. Installtion as per site requirements or as per directions of the Engineer	15.00	Each		
P-II-A-27	Providing and installing a 75-inch 4K UHD (3840 × 2160) Interactive Flat Panel Display with multi-touch technology (minimum 20 touch points), built-in Android operating system, minimum 8 GB RAM, 128 GB internal storage, Wi-Fi, Bluetooth, built-in stereo speakers, HDMI, USB and LAN connectivity. The unit shall include interactive whiteboard software, stylus pens, remote control, wall mounting bracket, necessary cables and accessories, complete with installation, configuration, testing, commissioning and basic teacher training, as approved by the Engineer/Consultant.	14.00	Each		

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Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
P-II-A-28	Providing, supplying, installing, testing and commissioning original genuine Cisco Catalyst C9115AXI or approved equivalent	9.00	Each		
P-II-A-29	Passive LAN Network/Ethernet Points, (I/O Point: Cat6 UTP Tool-Less Keystone Jack, PVC Back Box, Punch free shuttered I/Os & Dual faceplate - complete Unit (3M/Schneider/ Panduit/Corning/ Vivanco/Clipsal or equivalent), UTP Cable: Cat6 UTP 23 AWG PVC Solid Cable - 305m/Roll 65 Rolls (Corning/ 3M, Schneider/ Hikvision/ Dahua or equivalent), OFC Cable: Optical Fiber cable (patch cords for uplink) (LC-LC single mode), Switch Rack: with depth greater than 60 cm to support PoE switches, with front glass door and locking mechanism, fitted with dual cooling fans, Supplied with a PDU (Power Distribution Unit) having two (02+) IEC-320-C13 sockets, Power Cable: 3.29 dual core. (90 meter), fire resistant FAST/Pakistan Cable or equivalent, Duct: PVC ducting in various sizes (40x40, 60x60, 16x25, 16x38). Adamjee or Equivalent – As per actual Use, Cable Management: Front cable managers for organized patch panel and switch cabling, Network Testing: Fluke end-to-end testing for all installed network links, And Termination Accessories: Cat6 RJ-45 connectors, Cable ties, screws, labels, and other miscellaneous accessories (e.g., flexible PVC pipes if required) Compliance & Warranty: All materials and installation work must conform to specified industry	75	Node		
P-II-A-30	**Net Work Switch: (Cisco, Huawei, or equivalent)** Base layer-3 PoE + Access Switch with all accessories. **Ports Required:** 48x1GE ports PoE +, 2x 10G Fiber ports without SFPs. Farwarding Performance: 125 Mpps or higher. **Switching Capacity:** 136 Gbps or Higher. Virtual Chasis Enabled QoS with Voice VLAN enabled. Principal's presence should be in Pakistan within past 05 years. Product's 05 years or more should be under the current brand name. Demonstration, Presentation, Proof of Concept trial, Sample verification or reference site visit of the deployed system, whichever is applicable. Principal's Endorsement for correctness and performance of the solution Vendor's office for Technical Support Services Mandatory: Manufacturer Authorization Letter/ Form (MAL or MAF) Publicly published training contents, industry certifications, emulators, training videos etc should be in English Language.	2	Nos		
	Total C/O to Summary of Cost :-				-

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
PART - II (NON SCHEDULE ITEMS)					
B-EXTERNAL SERVICES					
P-II-B-01	Providing making and fixing aluminium casting powder coated English alphabetical words of size1/2" thick x10"height and 1/2"thick x18"hight for two entrances name of the following department fixing at any floor at any height	50.00	Each		
P-II-B-02	Providing and fixing panaflex 3m (quality Amercian board size: 25' x5' x 10" fix at roof top with ancer bolt 3/4" dia 6 Nos. 1'-3" long L-shape each leg with base plate 8" x 8" x 1/2" thick M.S 2 Nos. main frame rear site 16 SWG painted sheet and side front side pana flex sheet i/c 15 Nos. LED Rod 36 Watt i/c connection complete in all respect	250.00	P.Sft		
P-II-B-03	Providing and fixing Vectorian /Garden Bench made of Wrought iron base and main frame of 2"x1" 2Nos 16SWG pipe ,with 1-1/2"x1/4" flate iron ,Seshum Wood Purlen size 2.5"x1.25", Duly painted with 3 coat Enamel paint etc complete. as per sample of AIOU main Campusor as approved by Engineer Incharge	15.00	Each		
P-II-B-04	Provinding and fixing of fiberglass dustbin drum . 16" dia national/ razmak make in the building.	10.00	Each		
P-II-B-05	RESCUE BOX:Supply and fixing of Rescue Boxes as per drawing & NFPA relevent code requirements.	6	No		
P-II-B-06	Providing and instlation of fire extinguishing 5kg CO2 system as approved by the engineer incharge.	12	No		
P-II-B-07	Providing and instlation of fire extinguishing 6kg Halotron system as approved by the engineer incharge.	12	No		
P-II-B-08	Providing and instlation of fire extinguishing 6kg DCP system as approved by the engineer incharg	12			
P-II-B-09	WET CHEMICAL EXTINGUISHER:Supplying, installing , testing and commissioning of wet chemical fire extinguisher 6 Kg as per drawing.	6	No		
P-II-B-10	FIRE BLANKET:Supply, installation, testing and commissioning of fire blanket as per drawing.	6	No		
P-II-B-11	FIRE BRIGADE CONNECTION:Providing and fixing four way fire brigade connection 9 (Model No. NWR 115 & NWRX 115, NAFFCO 6″ x 4 Way Breeching Inlet) in gun metal with working pressure 10 Bar and tes pressure 20 Bar FM/UL approved. The breeching inlets are manufactured to comply with BS 5041 PART-3:1975 standard comprising of male instantaneous connections complying with BS 336:2010, drain valves complying with BS 5154, PN16 rated and non-return valves outlet 4" dia flange sheroidal graphite iron to BS EN 1563:1997. House in steel cabinet fabricated from 1.5mm thick steel sheet having lockable arrangement, open able glazed door, Including painting a coat of primer and two coats of postal re enamel, necessary supports for the cabinet etc. Complete as per NFPA-13 requirements.	1	No		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
P-II-B-12	Supplying, installing, testing and commissioning of yard Hydrants comprising of the following: (a) 80mm dia pipe fitted with single headed 63mm dia landing valve as per design. (b) Providing 2 Nos 15Mtr long 63mm dia CP hose with gun metal male and female instantaneous coupling. (c) 63 mm dia branch pipe with gun metal hexagonal detachable nozzle made of instantaneous coupling. (d) Two keys in recess type compartment for break glass. (e) 80 mm dia. GI bend. (f) 80 mm dia . GIDF stand pipe (1mtr above ground) . (g) Hose cabinet to accommodate two sets of controlled percolating hose of 15Mtr length with 1 pair of male and female coupling and 1 branch pipe with nozzle. The cabinet is made of MS sheet of 16 SWG thick , with a double door, glass font (4mm thick) with hinged door and lock. The cabinet is painted to scarlet red color size 30"x10"x24" & wall mounted complete with all necessary fittings and requirements as per NFPA-24	2	No		
P-II-B-13	FIRE HOSE REEL:Providing and fixing first aid hose reel full swinging type with 30 meter long 20mm dia rubber lined Maruti pipe with shut off nozzle of 5 mm dia, house reel wiht all sockets, nipples, elbows and ball valve as per drawing complete with all necessary fittings and requirements as per NFPA-14	5	No		
P-II-B-14	FIRE PUMP:Supply, fixing, testing and commissioning of Firefighting pump 900 LPM, NAFFCO or SAFFCO made, with base frame and all accessories complete with all necessary fittingsand requirements as per NFPA-20 requirements.	1	No		
P-II-B-15	MS. SEAMLESS PIPE:Supply and Installation of epoxy painted seamless MS steel pipe schedule 40.According to ASTM-A 53 / ASTM A 106, ISO standard 9001, 14001, OHSAS 18001 for firefighting water, medium weight, including all fittigns, brackets, flanges, tees, expansion devices, hanger's. Note: IIL MS 40 or equilent pipe				
a	4" DIA	100	RFT		
b	2-1/2" DIA	100	RFT		
P-II-B-16	EXIT DIRECTION SIGN:Supply, installation in position of the signage Fire Exit signage at each stair on every floor, indicating the direction of fire exit, lettering size shall be 7.5 cm with contrasting color from back ground BS 5499, ISO 7010, BS-EN-60598-2-22 (1998) luminaire.	5	No		
P-II-B-17	EXIT SIGN:Supply, installation in position of the signage Fire Exit door signage at each floor, indicating the direction of Fire Exit door (in case of fire) , lettering size shall be 7.5cm with contrasting color from background . Size shall be 9" height x 9" width as per BS 5499 requirements	4	No		
P-II-B-18	ASSEMBLY POINT:Supply, installation in position of the signage fire assembly point signage at each floor, indicating the direction of fire assembly point (in case of fire) , lettering size shall be 7.5cm with contrasting color from back ground. Size shall be 9" height x 9" width & as per BS 5499 code requirement	4	No		
P-II-B-19	FIRE EQUIPMENT SIGN:Supply, installation in position of the signage Firefighting equipment location signage at each floor, indicating the direction ofFirefighting equipment location sign (in case of fire) , lettering size shall be 7.5cm with contrasting color from back ground. Size shall be 9" height x 9" width acrylic plate, silk-screened printing & as per BS 5499 code requirement	12	No		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
P-II-B-20	PROHIBITION SIGN:Supply, installation in position of the signage Prohibition signage at each floor, indicating the Prohibition sign (in case of fire) , lettering size shall be 7.5cm with contrasting color from back ground. Size shall be 9" height x 9" width as per BS 5499 code requirement.	3	No		
P-II-B-21	NON SLIPPERY STRIPS: Supply , installation,testing and commissioning of nos slippery strips as per drawing and as per NFPA standard.	120	NO		
P-II-B-22	FIRE RATED DOOR(2hr FRD):Imported, China Made Hollow metal fire rated doors as per NFPA spacification for stability and integrity. Pressed Galvanized steel confirming to NFPA with specification. Certified UL/FM and ISO 9001 certified fire door shall have tested at Local and International labs for maximum rating of 2hrs with non vision panel. Test certificates should be available for panels as part of the fire door assembly. Manufacturer test certificate shall cover doors both single and double leaf and all doors supplied should be within the tested specimen, deviation in specification and sheet thickness other than what is mentioned in the test certificates are not allowed. Proper label confirming the type of door and the hourly rating is mandatory.	1	NO		
	Total C/O to Summary of Cost :-				**-**

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

BOQ FOR FIRE LIFE SAFETY					
Item No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**
F-1	Providing, fixing, testing and commissioning of microprocessor based 02 loop addressable fire control panel surface /recessed mounting type with full switching programming capabilities ,system suitable for operation at 230 volts 50hz with full functionality as per specification, drawing, etc. complete in all respect as approved by the Engineer	1	JOB		
F-2	Providing, fixing, testing and commissioning of addressable optical smoke detector with addressable base with full functioning switching programming capabilities ,system as per specification & recommended of drawing / manufacturer with allied components, complete in all respect as approved by the Engineer Incharge	120	JOB		
F-3	Providing, fixing, testing and commissioning of addressable manual call point with addressable base with full functioning switching programming capabilities ,system as per specification & recommended of drawing / manufacturer with allied components, complete in all respect as approved by the Engineer Incharge	15	JOB		
F-4	Providing, fixing, testing and commissioning of addressable Wall Sounder with Flasher performing full functioning, switching programming capabilities ,system as per specification & recommended of drawing / manufacturer, complete in all respect as approved by the Engineer Incharge	15	JOB		
	Providing, Installation, Testing & Commissioning of Emergency Lights, including connection, complete in all respect as approved by the Engineer Incharge.				
F-5	5 - 7 Watts Emergency Light (Surface / Recessed)	15	Each.		
F-6	Providing, fixing, Two core, 1.5mm, Fire resistant cable, minimum fire rating of 2 hour, laid in conduit (25mm dia), complete in all respect, as approved by the Engineer	1500	P/Mtr		
				Total	

BOQ for 200kW Hybrid-Ongrid Solar System						
Sr. #	**Item**	**Brand**	**Unit**	**Quantity**	**Rate**	**Estimate**
'NOTE: All the below mentioned items/ jobs must have warranty. Where, period of warranty not mentioned,						
1	Solar Panels A grade Tier One PERC MONO BIFICIAL 10 Years Product Warranty 25 Years Liner Warranty, ISO Certified. Jinko, Canadian, JA, Longi or equivalent top brand, Online verifiable, COC /PSI Reports. (Solar Panels must be above 585 watt)	Jinko, Canadian, JA, Longi or equivalent	Watts	200,000		
2	Inverter: On Grid Three phase Inverter 100 kW, IP66 with all required accessories ISO/ IEC Certified with Min 5 years warranty.	Goodwe/ Growatt or equivalent	No.	1		
3	Inverter: Hybrid Three phase Inverter 20 kW, IP66 with all required accessories ISO/ IEC Certified with Min 5 years warranty.	Goodwe/ Solis/ knox or equivalent	No.	3		
4	Batteries: Lithium ($LiFePO_4$) 16 kWh energy storage battery, ISO/ IEC Certified with Min 5 years warranty.	Goodwe/Pylontech/ Knox or equivalent	No.	3		
5	AC Combiner Box ×1 / DC Panel Box × 1: On Grid 250A/ 300A, 4P/ 3P MCCB AC Inverter Breakers x 1, 4P 40kA AC SPD × 1, Digital V/A meter x 1, DC breakers 4P x 12/13 alongs with CTs and required accessories.	Chint, CNC /Eqv.	No.	2		
6	DB Combiner Box / LV Panel: Hybrid 63A/ 100Amp 4P/3P MCCB AC Inverter Breakers x 3, 4P/2P DC SPD x 14, Digital V/A meter x 1, 4P DC breakers x 14, Changeovers Breaker x 3 & Battery Breakers x 3 with all required accessories.	Chint, CNC /Eqv.	No.	3		
7	Structure: Special Customized elevated structure with 5 ~ 10 degrees tilt, MS I beams columns and rafters/ Mughal Girders, I-beam (4.75"x2.5"x3mm), GI C channels as purlins, C channel (10+33+75+33+10), Base Plate (7" x 7"x 8mm), , SS 304 Nut Bolts, Mid & End clamps with releveant Civil foundations/ pads 1× 1ft, Painted etc, along with ladder for panels cleaning & water washing point at site, complete in all respects as per site requirements. Min 10 years warranty.	Local	Watts	200,000		
8	DC Wire: 6mm² Tinned Copper XLPO/XLPO Single Core 1.5 kV DC (Red & black)	Pakistan Cable/ Fast Cables or equivalent	meters	2,500		
9	AC LV Cables: 95 mm² 4C CU/PVC Copper Cable	Pakistan Cable/ Fast Cables or equivalent	meters	90		

Sr. #	Item	Brand	Unit	Quantity	Rate	Estimate
10	AC LV Cables: 16 mm² 4C CU/PVC Copper Cable	Pakistan Cable/ Fast Cables or equivalent	meters	20		
11	Electrical Installation Accessories: Cable trays, Conduits, Cable Ties, HDPE Pipes etc, Bends, Ducts, Flexible Pipes, Rawal bolts, Cable lugs/ thimbles, MC4 connectors etc, all accessories/ items must be good quality brands, complete in all respect as per site requirements.	Local	Job	1		
12	Bore Earthing/ Protection: 2 X Lightening arrestors, 3 X earth Pits with <5 Ohms resistance, 10/ 25mmsq bare conductor for earthing, Earth Chemical, 10 mm Copper Conductor complete with all respect as per site requirements.	Local	Job	1		
13	Net Metering/ Billing including all relevant documentation, wiring reports, inspection, approvals, License, Meter installation etc complete in all respects.	IESCO/ NEPRA	Job	1		
14	Capacitor Bank 100 kVAR	Local	Job	1		
15	Preparation and submission of all relevant solar system drawings (as built basis), 5 year after sales services, complete in all respects.	Local	Job	1		
				Total Project Estimated Cost		

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

BOQ for Electrical Works					
Item No	**Brief Description of Item**	**Estimated Quantity**	**Unit For Rate**	**Rate Per Unit (Rs.)**	**Amount (Rs.)**
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD iii) All switches, sockets, power points, light points etc. must be of TJ				
E-1	Wiring for light or fan point with (3/.029") PVC insulated wire in 20 mm², (3/4") dia uPVC conduit recessed in the wall, column, roof , including 1mm² single core PVC insulated wire as ECC as required.	650.00	Point		
E-2	Extension/Additional wiring for light, fan ,call bell or light plug point, controlled with same switch with (3/.029") PVC insulated wire in 20 mm (3/4")dia uPVC conduit fitted on surface including 1 mm² single core, PVC insulated wire as ECC as required	50.00	Point		
E-3	Wiring for two way light point with (3/.029") PVC insulated wire in 20 mm (3/4")dia uPVC conduit recessed in the wall, column, roof , including 1mm², single core PVC insulated wire as ECC as required.	30.00	Point		
E-4	Wiring for sub-main with 3x 2.5 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4")dia uPVC conduit recessed in the wall, column and roof etc as required.	3500.00	P/Meter		
E-5	Wiring for sub-main with 3x 4 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4")dia uPVC conduit recessed in the wall, column and roof etc as required.	1500.00	P/Meter		
E-6	Wiring for sub-main with 2x 6 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 25 mm (1")dia uPVC conduit recessed in the wall, column and roof etc including 2.5 mm² PVC insulated wire single core wire as ECC as required	100.00	P/Meter		
E-7	Wiring for sub-main with 4x 6 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 25 mm (1")dia uPVC conduit recessed in the wall, column and roof etc including 2.5 mm² PVC insulated wire single core wire as ECC as required	200.00	P/Meter		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD iii) All switches, sockets, power points, light points etc. must be of TJ				
E-8	Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy required gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required (TJ Series make)	680.00	Each		
E-9	Providing & fixing 10 Amps Polycarbonate flame retardant Two way switch with fancy gang plate fixed on die fabricated, powder coated, metal board recessed in wall or column including connection as required. (TJ Series make)	30.00	Each		
E-10	Providing & fixing Polycarbonate flame retardant, fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required (TJ Series make)	150.00	Each		
E-11	Providing & fixing 13 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required (TJ Series make)	410.00	Each		
E-12	Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required (TJ Series make)	40.00	Each		
E-13	Providing, Installation, Testing & Commissioning of recessed / surface mounted LED Panel light 38-40 watts (Philips) including driver, having warm / neutral white / cool white colour, 80-100 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge	450.00	Each		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA				
	ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD				
	iii) All switches, sockets, power points, light points etc. must be of TJ				
E-14	Providing, Installation, Testing & Commissioning of recessed / surface mounted ceiling lights / downlights (Paklite) including driver, having warm / neutral white / cool white colour, 80-90 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge				
a	6-8 Watts	15	Each		
b	9-10 Watts	35	Each		
c	11-13 Watts	50	Each		
E-15	Providing, Installation, Testing & Commissioning of recessed / surface mounted project / professional series ceiling lights / downlights (Philips) including driver having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge				
b	9-10 Watts	25	Each		
E-16	Providing, Installation, Testing & Commissioning of LED Tube / Batten Lights (sunlight, pierlite, future technology/orient) including driver having warm / Neutral White / cool white colour,80-90 lm/watts efficiency, 0.9 or above power factor, 10000-15000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge				
a	2 Feet 18-20 Watts	25	Each		
b	4 Feet 18-20 Watts	25	Each		
c	4 Feet 36 Watts	25	Each		
E-17	Providing, Installation, Testing & Commissioning of Flood Lights (IP66) (Philips) including driver, having neutral white / cool white colour,110 -120 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge				
	90 - 100 Watts	10	Each		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA				
	ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD				
	iii) All switches, sockets, power points, light points etc. must be of TJ				
e	180 - 200 Watts	5	Each		
E-18	Providing, Installation, Testing & Commissioning of Garden lights (Paklite) including driver, having warm / neutral white / cool white colour, 90-100 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge				
b	10-12 Watts	18	Each		
E-19	Providing, Installation, Testing & Commissioning of LED spot lights (Paklite) including driver, having warm / neutral white / cool white colour, 80-100 lm/watts efficiency, 0.5 - 0.70 power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge				
b	10-12 Watts	25	Each		
E-20	Providing & installing 140 Cm (56") sweep ceiling fan copper winding with blades, canopy, strandard length of down rod including connection with 14.0076" flexable wire complete as required. (without regulator) Pakfan	20	Each		
E-21	Providing & installing of Ceiling fan down rod 3/4" dia heavy gauge GI pipe of require length, one end arrangement for fan insulator and other end duly threaded and hole for split pin etc to be hold all sweep ceiling fan as required	350	P/Rft		
E-22	Providing & installing of Ceiling fan down rod 1/2" dia heavy gauge GI pipe of require length, one end arrangement for fan insulator and other end duly threaded and hole for split pin etc to be hold all sweep ceiling fan as required	350	P/Rft		
E-23	Providing & installing 120 Cm (48") sweep ceiling fan copper winding with blades, canopy, strandard length of down rod including connection with 14.0076" flexable wire complete as required. (without regulator) Pakfan	5	Each		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD iii) All switches, sockets, power points, light points etc. must be of TJ				
E-24	Providing & installing 45 Cm (18") sweep wall bracket fan copper winding complete with blades, regulator & pulling cord switch, fitted on wall or column with GI clip including connection as required. Pakfan	35	Each		
E-25	Providing & installing False Ceiling Fan (Box Fan) copper winding with remote, 14" size including connections, complete in all respect as approved by the Engineer Incharge (Pakfan/voldam)	180	Each		
E-26	Providing & installing 30 Cm (12") sweep, Plastic body Exhaust fan copper winding complete with blades, motor, etc fixed in existing hole including connection with 14/.0076" flexible wire complete as required Pakfan	45	Each		
E-27	Providing & fixing heavy gauge metallic shutter, suitable for 12" to 14" sweep exhaust fan's fitted on existing hole as	45	Each		
E-28	Wiring for sub-main with 3 core, 4 mm², stranded copper conductor, PVC insulated & PVC sheathed cable i/c 1.5mm single core PVC insulated wire as ECC in 25 mm (1") dia high pressure ' D' class uPVC conduit buried in ordinary soil at the depth of 0.5 meter as per Pak. P.W.D Specification as	20	P/Meter		
E-29	Wiring for sub-main with 3 core, 6 mm², stranded copper conductor, PVC insulated & PVC sheathed cable i/c 2.5mm single core PVC insulated wire as ECC in 25 mm (1") dia high pressure ' D' class uPVC conduit buried in ordinary soil at the depth of 0.5 meter as per Pak. P.W.D Specification as	15	P/Meter		
E-30	Wiring for sub-main with 4x 10 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 30 mm (1¼")dia uPVC conduit recessed in the wall, column and roof etc including 2.5 mm² PVC insulated wire single core wire as ECC as required.	15	P/Meter		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA				
	ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD				
	iii) All switches, sockets, power points, light points etc. must be of TJ				
E-31	Providing & laying 4 core, PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.				
a	16 mm²	50	P/Meter		
b	25 mm²	150	P/Meter		
c	50 mm²	100	P/Meter		
d	70mm²	100	P/Meter		
e	95 mm²	100	P/Meter		
g	120 mm²	35	P/Meter		
E-32	Supply & fixing 50mm (2") dia uPVC conduit with all especial such as bends, sockets, Junction etc recessed in the in the wall or floor as required.	1600	P/Meter		
E-33	Providing & fixing of 100X100 mm uPVC duct fitted on surface as required by site	5	P/Meter		
E-34	Providing & fixing of 16X16 mm uPVC duct fitted on surface as required by site	5	P/Meter		
E-35	Providing & fixing of 16X25 mm uPVC duct fitted on surface as required by site	5	P/Meter		
E-36	Providing & fixing of 16X38 mm uPVC duct fitted on surface as required by site	5	P/Meter		
E-37	Providing & fixing of 25X25 mm uPVC duct fitted on surface as required by site	5	P/Meter		
E-38	Providing & laying 4 core, PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak. P.W.D specification as required				
j	185 mm²	60	P/Meter		
E-39	Making Termination of 3 or 4 core armoured / un-armoured copper conductor, PVC x PVC L.T Cable including providing & fixing proper lugs, etc complete in all respect as				
a	16 mm² to 25 mm²	16	P/Job		
b	35 mm² to 50 mm²	16	P/Job		
c	70 mm² to 95 mm²	16	P/Job		
d	120 mm² to 150 mm²	8	P/Job		
e	185 mm² to 240 mm²	8	P/Job		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD iii) All switches, sockets, power points, light points etc. must be of TJ				
E-40	Excavation in soft soil including lift up to 5ft and filling excavated earth including breaking clods dressing ,watering, consolidation and ramming in layers to full compaction i/c disposal of surplus excavated stuff as directed as required.	83.75	P/CUM		
E-41	Providing & fixing cubical type metal sheet vermin protected LT panel board as per drawing with locking arrangement duly powder coated I/c all fastening devices and electrical wire/ leads for internal connection complete as required	70	P/Sft		

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Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA				
	ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD				
	iii) All switches, sockets, power points, light points etc. must be of TJ				
E-42	Providing & fixing 250 to 400 Amps,(High Breaking Capacity) T.P circuit breaker fixed on existing board , I/c inter-connection as required.	18	Each		
E-43	Providing & fixing 400 to 630 Amps,(High Breaking Capacity) T.P circuit breaker fixed on existing board , I/c inter-connection as required.	2	Each		
E-44	Providing & fixing 400 Amps, 4 pole, three phase bus bar strip set (Standard size) fitted in suitable size metallic sheet steel box with hinged type front door duly painted and fixed on existing board I/c connection as required.	2	Each		
E-45	Providing & fixing pilot lamp set fitted on existing board I/c connection as required.	25.00	Set		
E-46	Providing & fixing 250 to 400 Amps,(Low Breaking Capacity) T.P circuit breaker fixed on existing board , I/c inter-connection as required.	10.00	Each		
E-47	Providing & fixing 75 to100 Amps,(Low Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	4.00	Each		
E-48	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	4.00	Each		
E-49	Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, I/c inter-connection as required.	22.00	Each		
E-50	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required	154	P/Sft		
E-51	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	450.00	Each		
E-52	Providing & fixing 15 to 60 Amps,(Low Breaking Capacity) TP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, I/c inter-connection	22.00	Each		

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD iii) All switches, sockets, power points, light points etc. must be of TJ				
E-53	Providing & fixing single phase 10 to 40 Amps, 220/230 volts energy meter fitted on existing board I/c connection as required.(Syed Brother, PEL)	1	Each		
E-54	Providing & fixing Three phase 15 to 90 Amps, 400/440 volts energy meter fitted on existing board I/c connection as required. (Syed Brother, PEL)	1	Each		

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Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA				
	ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD				
	iii) All switches, sockets, power points, light points etc. must be of TJ				
E-55	Providing & fixing sheet steel fabricated board with Angle iron frame fitted on surface suitable to accommodate main switches, busbar, etc as required.	51	P/Sft		
E-56	Providing and fixing Earthing set with 2'x2'x1/8" copper plate buried in the ground at a depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chamical Powder) etc making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2 " G.I conduit complete in all respect as required.	2	Set		
E-57	Supply & drawing of 25 mm², single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	180	P/Meter		
E-58	Providing & fixing rotary type, 32 Amps, 3 Phase, Phase selector switch fitted on all kind of existing board including incoming & outgoing connection as required.	12	Each		
E-59	Providing & fixing rotary type, 63/50 Amps, 3 Phase, Phase selector switch fitted on all kind of existing board including incoming & outgoing connection as required.	12	Each		
	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour,90 - 110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge.				
	90-100 Watts	10	Each		
	Total C/O to Summary of Cost :-				

Item No	Brief Description of Item	Estimated Quantity	Unit For Rate	Rate Per Unit (Rs.)	Amount (Rs.)
	Note:- i) All work concerning Electricity shall be executed in accordance with the contract specification and the requirement of WAPDA by an electrical licensed Subcontractor. Upon completion, all work shall be tested and a test report submitted in accordance with the requirements/specification of WAPDA. The contractor shall also be responsible for having the work cleared / approved from WAPDA				
	ii) All cables must be of M/s Pakistan / GM / Fast Cable or as approved by Pak. PWD				
	iii) All switches, sockets, power points, light points etc. must be of TJ				
	NET Working				
	IP Based Surveillance System				
NW-1	Wiring (Video, Audio & Power) for cameras with cable CAT 6 in appropriate size of PVC conduit as shown in drawings and as approved by Engineer in charge.	2000	Rm		
NW-2	Supply, installation, testing and commissioning of Bullet IP camera having following specifications:- Image device: At least 1/2.8 inch, Resolution & frames/sec: At least 2 MP/30fps Video Compression:H.265,H.264, MJPEG Focal length (Varifocal): At least upto 12mm, Min illumination: 0 lux(B/W), 0.095 lux (Colour), Infrared viewable length: At least 30 m, Weather proof standard: IP 66 at least, Vandal proof standard: At least IK10, complete in all respect as approved by the Engineer Incharge	46	Each		
NW-3	Supply, installation, testing and commissioning of 16 Channel NVR 16 PoE/Poe+ ports having following specifications:-Max recording rate: 180Mbps Embedded system: Linux or latest, VGA and HDMI(upto 4K support) & Dual Monitor Compression:H.265, H.264, MJPEG, Internal storage: upto 8 SATA (Max 48TB), External storage: 1 e-SATA, Monitoring: Web viewer and Mobile viewer, Camera support: ONVIF, complete in all respect as approved by the Engineer Incharge	3	Each		
NW-4	Supply, installation of 65" color LED monitor (Samsung, LG, Sony) complete in all respect.	3	Each		
NW-5	Supply, installation of RJ-45 connectors complete with all auxilaries as approved by Engineer in charge.	150	Each		
	Total				

BOQ for HT Works					
S.I #	**Brief Description of Item**	**Unit**	**Qty**	**Unit Rate**	**Amount**
1	P/F of steel structure of HT pole of size 34'-8" long as per WAPDA specification P-45 in 1:2:4 concrete foundation of size 3'x3'x7.5', 7' below ground level and 6" above ground level including Transportation charges from staking point to site of erection and also including excavation of earth in all kind of soil, curing and refilling with boulders earth etc complete as per instruction of Engineer incharge. Manufacture in approved list of WAPDA	Each	7.00		
2	P/F of steel structure of HT pole of size 45" long as per WAPDA specification P-45 in 1:2:4 concrete foundation of size 3'x3'x7.5', 7' below ground level and 6" above ground level including Transportation charges from staking point to site of erection and also including excavation of earth in all kind of soil, curing and refilling with boulders earth etc complete as per instruction of Engineer incharge. Manufacture in approved list of WAPDA	Each	4.00		
3	S/F of ACSR (Dog 6-1/0.132) i/c un rolling stretching, sagging, tightening and binding with insulator and all necessary jumpers connection as per instruction of Engineer incharge (NEWAGE / Pakistan / Fast or equivalent or approved list of WAPADA	Mtr	1400.00		
4	S/F of iron cross arms of size 8'x5"x6" i/c nuts, bolts and washers duly painted in black i/c steel braces ¼"x1 ¼" x 28" with nuts, bolts washers etc complete	Each	11.00		
5	S/F of disc insulator 11 KV with dead end clamp and nut bolts.	Each	11.00		
6	S/F of Pin insulator 11 KV	Each	33.00		
7	S/F of arming bolts of size 22x3/4	P/Set	33.00		
8	S/o Stay set with stranded stay wire with stay swivel, stay insulator and anchor plate	Each	11.00		
9	S/F of 630 KVA step down transformer out door type 3 phase delta / star 11000 / 440 volt 50 Hz oil cooled continues duty, steel tank, suitable to works at height of 7000-11000 ft above sea level etc complete including TPT charges from staking point to site of fixing (PEL Siemens or elmietec / Transfopower) or equivalent approved by WAPDA.	Each	1.00		
10	Construction of transformer bed size 5'x6'x8' in un-coursed ruble masonry in 1:6 cement mud 3/4" thick cement plaster in 1:6 cement and P CC 1:2:4 on top of the foundation bed 3 " thick i/c excavation in all kinds of soil as per instruction of the Engineer Incharge.	Each	1.00		
11	P/F of Shackle insulator	each	9.00		

S.I #	Brief Description of Item	Unit	Qty	Unit Rate	Amount
12	S/F of armoured Three Core stranded copper conductor 120mm2 XLPE / PVC aluminum made 11KV grade Cable for Transformer	P/Mtr	30.00		
13	S/F of Fuse grips (D-set) WAPDA approved	Each	3.00		
14	Providing and fixing indoor/outdoor, 3 core, 11KV, XLPE, heat shrink termination ends Kit complete in all respect as required	Job	1.00		
15	Firm/Contractor/vendor/Service Providor/DISCO is responsible for all LT/HT work of building and other Electrical Inspection/Feeder Analysis/Load Flow Analysis/Necessary Approvals/Inspection Reports from Electrical Inspector departments complete in all respect.	Job	1.00		
	Total				

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BOQ for Supply and Installation of Lift					
Sr No	**Description**	**Estimated Qty**	**Unit**	**Rate (PKR)**	**Amount (PKR)**
1	Supply, installation, testing and commissioning of gearless permanent magnet synchronous (PMSM) traction machine based 1000 kg Passanger Lift, for three-floor operation. The motor rating should be compatible with the 1000kg passanger lift for smooth operation, complete with traction sheave, electromagnetic brake, encoder feedback system, and all necessary accessories complete in all respects. The system shall be compatible with VVVF drive for smooth, energy-efficient and low-noise operation with precise speed control. Complete in all respects as per manufacturer specifications and site requirements. The lift shall be of conventional machine-room type. The traction machine and control panel shall be installed in a dedicated machine room at the location.	1	Set		
2	**Control Panel** Supply, installation, testing, and commissioning of Monarch (or equivalent) control panel, complete with microprocessor-based VVVF drive, protection systems, ARD compatibility, and all standard components, housed in a dust-proof steel enclosure, including wiring, programming, and commissioning as per manufacturer specifications.	1	Set		
3	**Overspeed governor and safety gear system** Supply, installation, testing, and commissioning of overspeed governor and safety gear system, designed to automatically stop and hold the car in case of overspeed or rope failure, complete with all mechanical linkages, tensioning system, and safety devices, fully compliant with standard safety codes and manufacturer specifications.	1	Set		
4	Supply, fabrication, and installation of heavy-duty machine bed, constructed from high-strength mild steel sections, properly aligned and rigidly fixed to withstand operational loads and vibrations. The machine bed shall be mounted on anti-vibration rubber/neoprene pads of suitable thickness and load-bearing capacity to minimize noise and vibration transmission to the structure. Complete with all necessary anchor bolts, grouting, leveling, and finishing as per manufacturer's standards and site requirements.	1	Set		
5	Supply, fabrication, installation, testing and commissioning of a complete lift cabin with SS 304 hairline-finish panels, heavy-duty cabin frame, anti-skid flooring, decorative false ceiling with LED lighting, ventilation fan, full-height mirror and stainless-steel handrails. The contractor shall submit samples, catalogues or images of the proposed cabin interior finish for the client's approval before fabrication.	1	Set		

Sr No	Description	Estimated Qty	Unit	Rate (PKR)	Amount (PKR)
6	Supply, installation, testing and commissioning of one Car Operating Panel (COP), fabricated in SS 304 hairline-finish stainless steel and flush-mounted inside the lift cabin. The COP shall include a microprocessor-based control interface, illuminated push buttons with braille markings, digital floor-position indicator, door open/close buttons, alarm bell and emergency-stop button. The COP shall be compatible with the control panel and complete in accordance with the approved lift design and manufacturer's specifications.	1	Set		
7	Supply of centre-opening door assemblies comprising one lift-car door and one landing door at each of the three floors. Door panels shall have a stainless-steel finish and include tracks, hangers and associated mechanical fittings.	1	Set		
8	Supply of one automatic door operator system for the lift car, including a VVVF door drive/control unit, drive motor and the internal wiring and connections required for operation of the lift-car door and associated landing doors. The system shall be compatible with the door assemblies and the control panel.	1	Set		
9	Supply of four electro-mechanical door interlocks fully compatible with control panel: one for the lift-car door and one for each of the three landing doors. The interlocks shall prevent lift operation unless the doors are closed and locked, and prevent a landing door from opening unless the lift car is at that floor.	4	Nos		
10	Supply and installation of steel protective guards for the lift guide rails to prevent debris or foreign objects from interfering with lift operation. The guards shall have an anti-corrosion finish and include the clips, fasteners and fixing brackets required to secure the guards only.	1	Lot		
11	Supply, fabrication, and installation of heavy-duty mild steel rail brackets for supporting guide rails complete with anti-corrosion treatment (red oxide + paint), anchor fasteners, bolts, and necessary hardware. Brackets shall be designed to withstand dynamic loads and ensure proper alignment and stability of guide rails as per manufacturer standards and site requirements. Installation to be carried out with accurate spacing, leveling, and secure fixing in shaft walls for smooth and safe lift operation.	1	Lot		
12	Supply and installation of complete counterweight system, including cast iron/steel weights, rigid frame, guide shoes, and all necessary fittings, properly balanced with lift car to ensure smooth, efficient, and safe operation, as per standard specifications.	1	Set		
13	Supply and installation of a multi-core flexible flat travelling cable with PVC-insulated copper conductors and a durable outer sheath, including suspension, clamps, terminations and accessories. The cable shall move with the lift car and provide power and signal connections between the car and the fixed lift wiring.	1	Lot		

Sr No	Description	Estimated Qty	Unit	Rate (PKR)	Amount (PKR)
14	Supply, installation, testing and commissioning of the fixed electrical wiring for the lift, including power and control cables routed through PVC conduits or trunking, terminations, ferruling, labelling, earthing and required accessories.	1	Lot		
15	Supply and installation of LOP, comprising SS hairline finish panel with illuminated call button(s), digital floor indicator, and direction arrows, fully compatible with control system. Complete with flush/back box, wiring, and accessories, low power consumption, tested and commissioned as per site requirements and	3	Sets		
16	Supply, installation, testing and commissioning of complete sensor and limit system, including upper & lower limit switches, final limit protection, door safety photocell/infrared sensors, overload sensing unit and leveling sensors. The system shall ensure safe travel, accurate stopping, over-travel protection and door obstruction safety, fully compatible with controller and installed with proper wiring, alignment and calibration as per manufacturer standards.	1	Lot		
17	Supply, installation, testing and commissioning of the lift electrical overcurrent protection system, including appropriately rated circuit breakers, protective relays, current transformers, protection panel, control wiring and accessories. Equipment ratings shall be selected for the lift's electrical design and coordinated with the control panel.	1	Set		
18	Supply, installation, testing and commissioning of a complete internal intercom system for communication between the lift car and designated building locations. The system shall include one lift-car emergency communication unit, EPABX/intercom exchange, building intercom sets, power supply with battery backup, two-pair copper communication cables, PVC conduits, junction boxes and accessories.	1	Set		
19	Supply, installation, testing and commissioning of complete Automatic Rescue Device (ARD) suitable for the passenger lift consisting of maintenance-free batteries.	1	Set		
20	Supply, installation, testing and commissioning of heavy-duty lift buffers (hydraulic type), complete with high-strength steel construction, anti-corrosion coating, and required mounting accessories.	1	Set		
21	Testing & Commissioning, integration of the lift components, functional and safety testing, final adjustments, demonstration and handover.	1	Job		
				Grand Total	

The lift shall be supplied and installed as a complete system.
The contractor shall provide warranty and after sales service of the lift for 3 years

DESIGN, SUPPLY, INSTALLATION, TESTING, AND COMMISSIONING OF VRF AIR CONDITIONING SYSTEM

SECTION - 01

TECHNICAL SCOPE OF WORK

The scope of work shall comprise the design, supply, installation, testing, commissioning, and handing over of an inverter technology-based Variable Refrigerant Flow (VRF) air conditioning system (Heat and Cool), complete in all respects, in accordance with all conditions of the tender.

The project shall be executed on a complete turnkey basis. The Contractor's quoted price shall be deemed to include all equipment, materials, components, accessories, labour, supervision, tools, services, and any other items required for the complete, safe, and proper functioning of the system, whether or not specified in the tender documents but necessary to successfully complete the work.

The Contractor shall be fully responsible for detailed design and engineering of the complete system. This shall include, but not be limited to, the calculation, sizing, selection, and coordination of:

- Outdoor units and indoor units
- Refrigerant piping sizes and routing
- Branch connections and fittings
- Power and control cabling
- Condensate drainage system
- Insulation and protection requirements
- All associated accessories and components

All selections and design calculations shall be carried out using manufacturer-approved selection software and in accordance with manufacturer's recommendations.

The quantities, and equipment details provided in the tender documents are for reference and guidance purposes only. The Contractor shall independently verify all design parameters including load calculation, system design etc and shall be fully responsible for the adequacy, completeness, and performance of the system. Approval of drawings or selections by the Engineer/Client shall not relieve the Contractor of this responsibility.

Prior to submission of the bid, the Contractor shall visit the site (AIOU, H-8, Islamabad) and thoroughly familiarize themselves with all site conditions, including access, installation constraints, routing requirements, and all other factors affecting the execution of the works.

No claim whatsoever shall be entertained on account of:

- Lack of site knowledge
- Incorrect estimation of quantities
- Misinterpretation of drawings or specifications
- Any omission or oversight by the Contractor at any stage of the project

The Bidder shall carefully review all tender documents, specifications, and site conditions, and shall identify and include in their bid all items, materials, and works required for the complete and proper functioning of the system.

No additional claims, variations, or extra costs shall be entertained after award of the contract on the basis of omission, oversight, or misunderstanding of the scope. Any item required for successful completion, operation, and performance of the system shall be deemed to be included in the Contractor's quoted price.

1. General

1.1. The Contractor shall be responsible for the complete design verification, supply, installation, testing, commissioning, and handing over of a Variable Refrigerant Flow (VRF) Air Conditioning System for the specified building, on a turnkey basis.

1.2. The scope of work shall include all equipment, materials, accessories, labour, transportation, supervision, tools, and services required for a fully functional and operational HVAC system, whether or not specifically mentioned in the Contract Documents but necessary for the satisfactory performance of the system.

1.3. The technical specifications attached to the bidding document are for reference purposes, which must be carefully studied by the contractor and must confirm the soundness, precision, and compatibility of the specifications of various items to the procuring agency in their technical proposal. It shall remain the sole responsibility of the contractor to identify any technical changes in the reference specifications at the time of bidding, and to ensure the proposed solution delivers complete and satisfactory VRF system performance, and to ensure that it meets all functional requirements and performance standards set forth in the bid documents.

1.4. The contractor shall provide a technical proposal with their bid. If the bidder proposes any changes, additions, enhancements, or deviations from the reference technical specifications or BoQ these must be clearly stated in the technical proposal. The bidder shall ensure that any associated cost impact is reflected directly in the quoted BoQ rate of the corresponding/additional item.

1.5. All works must be in accordance to the international standards and as per manufacturer recommendations.

2. Design Verification and Engineering

2.1. The Contractor shall calculate the thermal load requirements of the building based on architectural drawings, occupancy, orientation, and usage conditions. The Contractor shall be fully responsible for confirming the adequacy of the system design,

including selection of outdoor and indoor units, system capacity, diversity factor, and zoning.

2.2. The Contractor shall prepare and submit detailed shop drawings, including but not limited to refrigerant piping layouts, condensate drainage layouts, electrical and control schematics, equipment placement drawings, and installation details. All drawings shall be submitted for approval prior to execution of works.

2.3. Approval of drawings by the Client/Engineer shall not relieve the Contractor of responsibility for the correctness, completeness, and performance of the system.

3. Scope of Supply

3.1. The Contractor shall supply a complete VRF air conditioning system, including all necessary components and accessories required for proper operation.

3.2. The scope shall include VRF outdoor units (inverter-driven, heat & cool modes), indoor units (cassette type), wireless individual controllers, central control system, communication modules, branch selectors, Y-joints, and all associated accessories.

3.3. All equipment shall be latest, energy efficient, new, unused and conforming to the specified technical requirements.

4. Refrigerant Piping System

4.1. The Contractor shall design, supply, install, test, and commission the complete refrigerant piping system, including copper piping, fittings, Y-joints, headers, and accessories as required for a complete VRF system.

4.2. All piping shall be properly sized in accordance with manufacturer guidelines. Piping shall be installed with appropriate supports, clamps, and routing to ensure proper operation and maintainability. Pipe routing shall be planned to ensure that piping is concealed within the false ceiling, thereby maintaining the aesthetics of the building. Any exposed piping shall be minimized and shall be neatly organized and covered with appropriate trays to ensure a clean and professional appearance.

4.3. All refrigerant piping shall be insulated using approved insulation material of specified thickness. The system shall be pressure tested, evacuated to the required vacuum level, and charged with refrigerant as per manufacturer recommendations.

5. Condensate Drainage System

5.1. The Contractor shall provide a complete condensate drainage system for all indoor units. This shall include drain piping, fittings, supports, insulation (where required), condensate pumps and proper routing and connection to the designated collection point.

5.2. All condensate generated from indoor units shall be collected and conveyed to a centralized condensate collection pit/tank located at the position as directed by the

Client. No direct discharge of condensate to open drains, floors, or external areas shall be permitted unless specifically approved.

5.3. Drain piping shall be installed with adequate slope to ensure proper gravity flow along with condensate pumps and shall be routed in a manner to avoid stagnation, backflow, or leakage.

5.4. The entire condensate drainage system shall be tested for leakage, proper flow, and discharge into the designated collection pit/tank.

6. Electrical Works

6.1. The Contractor shall carry out the necessary electrical works required for the proper operation of the VRF system. This shall include power cabling from designated power supply points to outdoor units, interconnection wiring between indoor and outdoor units, control wiring, communication cabling, earthing, and protection.

6.2. All electrical works shall comply with relevant standards and shall be executed in coordination with other services.

7. Installation Works

7.1. The Contractor shall install all indoor and outdoor units in accordance with manufacturer instructions. This shall include mounting, alignment, fixing, and provision of all necessary supports, brackets, hangers, and base frames.

7.2. The Contractor shall carry out all minor civil works required for installation, such as core cutting, drilling, grouting, sealing, and making good of surfaces etc without any additional cost.

7.3. Outdoor units shall be installed with proper weather protection, vibration isolation, and accessibility for maintenance.

8. Controls and System Integration

8.1. The Contractor shall supply, install, and commission the complete control system for the VRF installation. This shall include individual room controllers, central controller, and communication networks between all system components.

8.2. The system shall be configured, tested, and commissioned to ensure proper operation and communication between all units.

8.3. Provision shall be made for future integration with a Building Management System (BMS), where applicable.

9. Testing and Commissioning

9.1. The Contractor shall carry out complete testing and commissioning of the VRF system. This shall include pressure testing of piping, vacuuming, refrigerant charging, electrical testing, functional testing, and performance testing.

9.2. The Contractor shall ensure that the system operates in accordance with the specified performance requirements under design conditions.

9.3. All test reports and commissioning reports shall be submitted to the Client for approval.

10. Documentation and Training

10.1. The Contractor shall provide complete documentation, including approved shop drawings, as-built drawings, operation and maintenance manuals, and equipment data sheets.

10.2. The Contractor shall provide a list of all spare parts that may be required for repair and maintenance of the VRF system.

10.2. The Contractor shall also provide training to the Client's personnel for operation and maintenance of the system.

11. Warranty and Defects Liability

The Contractor shall provide a comprehensive warranty for the VRF system for a minimum period as specified in the Contract. During this period, the Contractor shall rectify any defects or failures at no additional cost to the Client.

12. Addition/Reduction of Quantities

12.1. The procuring agency reserves the right to adjust the quantities of work specified in the bidding document. Any addition or reduction in the quantities shall be executed accordingly, with the rates applied as per the original contract or as mutually agreed upon. No claim for additional compensation will be entertained due to variations in quantities unless approved by the procuring agency.

12.2. For any work not specified in the bidding document, execution shall follow site requirements with prior approval from the procuring agency.

13. Site Safety and Risk Mitigation

13.1. The contractor shall be solely responsible for maintaining safe working conditions at the project site during the entire course of execution. Any damage to university property (building, infrastructure, fixtures, utilities, or any other facility) or injury to any person, whosoever, occurring within the project area due to activities related to the contractor's scope of work shall be presumed to be the responsibility of the contractor. The contractor shall bear all costs related to the repair, compensation, or restitution arising from such incidents.

13.2. All work shall be carried out with due diligence, proper planning, and in compliance with applicable safety codes and best engineering practices. The contractor shall coordinate with the university to avoid any conflict or interference with other operations.

14. Aesthetics, Protection, and Restoration of Finishes

14.1. The Contractor shall carry out all works in a manner that preserves the aesthetics and finishes of the building.

14.2. All installations, including piping, wiring, equipment mounting, and associated works, shall be executed in a neat, aligned, and workmanlike manner, with proper coordination with architectural and structural elements. The Contractor shall ensure that:

- No exposed or loosely installed services shall be permitted in finished areas unless specifically approved
- All conduits, piping, and cables are properly concealed, aligned, and routed in an organized manner
- All visible installations are aesthetically acceptable and approved by the Engineer/Client

14.3. During execution of works, the Contractor shall take all necessary precautions to protect existing finishes, including but not limited to:

- Walls, ceilings, floors, and architectural elements
- Paint, plaster, tiles, false ceiling, and fixtures

14.4. Any damage caused to the building finishes during execution of works shall be repaired, restored, or replaced by the Contractor to match the original condition, to the satisfaction of the Engineer/Client without any additional cost.

14.5. In the event that any installation is found to be aesthetically unacceptable, improperly aligned, exposed, or otherwise unsatisfactory, the Contractor shall, upon instruction of the Engineer/Client, dismantle and reinstall or carry out necessary corrective measures to achieve acceptable aesthetics, at no additional cost to the Client.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

SECTION - 02

EQUIPMENT

02-01. VRF SYSTEMS

Specification for VRF Condensing Units:

1. General

The system shall be a Variable Refrigerant Flow (VRF) air conditioning system (heat and cool) using R410A refrigerant or equivalent, comprising air-cooled outdoor units capable of operating in cooling and heating modes.

The outdoor units shall be factory-assembled, fully integrated, and suitable for installation at locations as directed by the Engineer/Client.

2. Design and Performance Requirements

The outdoor units shall be designed for high ambient operation and shall be capable of continuous operation without loss of stability or reliability.

The system shall be capable of precise capacity modulation to match varying load conditions using inverter-driven technology.

The combined Energy Efficiency Ratio (EER) in cooling mode shall be minimum 4.0 or higher at standard conditions, or as per internationally recognized certification standards. The combined EER shall be calculated using capacity weighting as:

$$\text{EER}_{comb} = \frac{Q_1 + Q_2 + \cdots + Q_n}{\frac{Q_1}{\text{EER}_1} + \frac{Q_2}{\text{EER}_2} + \cdots + \frac{Q_n}{\text{EER}_n}}$$

where:

- $Q_1, Q_2, \ldots, Q_n$= rated cooling capacity of each outdoor unit (in kW);
- $\text{EER}_1, \text{EER}_2, \ldots, \text{EER}_n$= rated EER of each corresponding outdoor unit;
- n= total number of outdoor units.

3. Compressors

Outdoor units shall be equipped with hermetically sealed inverter-driven scroll compressors, designed for high efficiency and continuous operation.

The compressor system shall include:

- Efficient oil management and return mechanism
- Protection against high pressure, high temperature, and overcurrent
- Smooth capacity modulation through inverter control

Multiple compressors shall be provided to ensure load sharing, redundancy, and stable operation.

Compressors shall preferably be manufactured by the VRF system manufacturer or shall be fully compatible and integrated within the system.

Compressors shall be mounted on vibration isolators and designed to minimize noise and vibration.

4. Heat Exchanger and Corrosion Protection

The outdoor unit shall be equipped with high-efficiency condenser heat exchangers constructed of copper tubes and aluminum fins or equivalent.

The heat exchanger and external components shall be provided with anti-corrosion protection, suitable for outdoor environments, including coated fins, panels, and structural components.

5. Outdoor Unit Fans

Outdoor units shall be equipped with inverter-driven motors.

The fan system shall:

- Provide adequate airflow for heat rejection under design conditions
- Operate efficiently under varying loads
- Maintain low noise and vibration levels

Fan motors shall include protection against:

- Overheating
- Overcurrent or driver overload

The airflow system shall be designed to accommodate installation conditions such as louvers or enclosures, as per manufacturer standards.

6. Control System and Protection

The outdoor unit shall be equipped with a microprocessor-based control system capable of coordinating operation of compressors, fans, and indoor units.

The system shall include:

- Self-diagnostic functions
- Automatic restart after power failure
- Protection against high/low pressure, overload, and temperature faults
- Time delay and sequencing controls

All electronic components, including PCB boards, shall be designed for reliable operation under high ambient conditions, with adequate cooling and protection.

7. System Configuration

The VRF system shall allow connection of multiple indoor units to one or more outdoor units through a common refrigerant piping network.

All connections shall be made using manufacturer-approved branch joints and installed in accordance with manufacturer guidelines.

The system shall operate as a fully integrated solution, capable of maintaining the specified indoor conditions without dependence on external third-party systems for basic operation, while remaining compatible with the central controller.

8. Installation and Location

Outdoor units shall be installed at designated locations as directed by the Engineer/Client.

The Contractor shall verify:

- Adequate clearances
- Proper airflow and ventilation
- Accessibility for maintenance

The Contractor shall ensure that installation does not result in air recirculation, restricted airflow, or reduced performance. The Contractor shall remain fully responsible for system performance.

9. Construction and Accessibility

The outdoor unit shall be of robust construction, fully factory assembled with all internal components pre-installed.

Access panels shall be designed to allow easy maintenance and servicing of compressors, fans, and control components.

All units and removable panels shall be clearly labeled for identification.

10. Safety and Additional Features

The system shall include all necessary safety devices and accessories for safe and reliable operation, including:

- High and low-pressure protection
- Overcurrent protection
- Fan failure protection
- Oil management system
- Expansion devices and sensors

The system shall be complete with all components required for proper operation, even if not specified in this document.

All selections shall be based on manufacturer-approved software and submitted for approval.

11. Compliance

All equipment shall comply with:

- Manufacturer’s standards
- International codes and standards
- Project specifications

12. Standards

a. Units shall be tested and certified in accordance with internationally recognized standards such as UL 1995, IEC, Eurovent or equivalent, and shall comply with all applicable safety and performance requirements.

b. Outdoor units shall be provided with anti-corrosion protection suitable for operation in environments exposed to salt contamination, humidity, and pollutants. Valid test certificates shall be submitted for approval.

2-02. Specification for VRF Indoor Units:

a) Four-way ceiling Cassette

All indoor units shall be factory manufactured, assembled, and tested as per manufacturer standards.

The indoor unit casing shall be constructed from corrosion-resistant metal with suitable internal insulation to prevent condensation and reduce noise.

The unit shall be suitable for ceiling-mounted installation and shall be provided with a factory-finished decorative panel. The panel shall include return air intake and supply air outlets, and shall be of low-profile design suitable for false ceiling applications. Airflow louvers shall be motorized with swing operation and adjustable to ensure uniform air distribution.

The unit may have provision for connection of treated fresh air through a designated opening or duct connection, where required.

The fan shall be of centrifugal type, directly driven, and designed for low noise and smooth operation.

The heat exchanger shall be constructed using copper tubes and aluminum fins, suitable for efficient heat transfer and compatible with VRF system requirements.

Each unit shall be provided with an electronic expansion valve (EEV) or equivalent device for control of refrigerant flow, integrated with the unit control system to maintain desired indoor conditions.

A built-in condensate drain pump shall be provided, capable of lifting condensate to a suitable height as per manufacturer standard.

Condensate drainage piping shall be properly sized, insulated, and connected to the building drainage system.

The unit shall be provided with washable and replaceable air filters suitable for maintaining indoor air quality.

b) Wireless Remote Controller (Individual)

Each indoor unit shall be provided with a wireless remote controller as the primary control interface. The controller shall be compact, lightweight, and constructed from durable plastic material suitable for indoor use.

The wireless remote controller shall be equipped with an LCD display or equivalent interface and shall provide user-friendly operation with clear indication of system settings and status.

The controller shall operate via infrared or equivalent wireless communication with the indoor unit. The indoor unit shall be provided with a compatible receiver, either built-in or as a standard accessory.

Each wireless remote controller shall, as a minimum, provide the following functions:

- ON/OFF control
- Temperature set point adjustment
- Mode selection (Cooling / Heating / Fan / Auto)
- Fan speed control (minimum three speeds or as per manufacturer standard)
- Room temperature display (where applicable)
- Operation status indication
- Swing control (where applicable)

The controller shall be capable of maintaining desired room conditions in coordination with the indoor unit control system to ensure efficient operation.

Provision of wired controller or centralized control system shall be made where required for group control, monitoring, or advanced functions, as per project requirements.

All control components shall be fully compatible with the VRF system and shall communicate reliably with indoor and outdoor units through the manufacturer’s standard communication network.

c) Central Controller

A central controller shall be provided as an integral part of the VRF system. The central controller shall be capable of centralized monitoring and control of all connected indoor and outdoor units from a single location.

The central controller shall serve as the primary supervisory control interface for the system and shall allow authorized personnel to manage operation of individual indoor units, groups of indoor units, and the complete system.

The central controller shall, as a minimum, provide the following functions:

- Centralized ON/OFF control of all indoor units
- Individual and group control of indoor units
- Monitoring of operating status of each indoor unit
- Display of fault alarms and system error codes
- Weekly and daily scheduling of operation
- Restriction, locking, or overriding of local controller functions
- Assignment of unit groups and zones
- Identification and naming of indoor units/rooms
- Password-protected access for authorized users
- Automatic restart and recovery after power interruption, where supported by the manufacturer

The central controller shall be capable of restricting operation of selected rooms or zones in accordance with management requirements. It shall be possible to allow or deny operation of specific indoor units from the central controller.

The central controller shall be compatible with all indoor and outdoor units offered under the project and shall communicate through the manufacturer's standard communication network.

The central controller shall be installed at a location designated by the Client and shall be complete with all required hardware, software, communication modules, cabling, accessories, and configuration necessary for full operation.

Local wired controllers for indoor units shall remain functional for basic user operation; however, the central controller shall have overriding authority over local controllers.

2-03 **Refrigerant Piping Work**

The Contractor shall design, supply, install, test, and commission the complete refrigerant piping system for the VRF air conditioning system, including all copper piping, fittings, accessories, insulation, supports, proper routing and protective arrangements required for a complete and functional system.

All piping works shall be carried out in accordance with manufacturer's recommendations, relevant international standards, and good refrigeration practice.

a) Copper Piping

All refrigerant piping shall be seamless copper tubes of ACR (Air Conditioning and Refrigeration) grade, conforming to ASTM B280 or approved equivalent.

Copper fittings shall be compatible with the piping system and suitable for refrigeration applications.

Bends shall be formed using long-radius pre-formed fittings or proper bending tools, ensuring no deformation or restriction of pipe cross-section.

b) Minimum Pipe Thickness

The minimum pipe wall thickness shall comply with the following table or manufacturer's recommendations, whichever is more stringent:

Minimum Pipe Thickness												
Outer Diameter (mm)	6.35	9.52	12.7	15.88	19.05	22.2	25.4	28.58	31.8	34.9	38.1	41.3
Minimum thickness (mm)	0.8	0.8	0.8	0.99	0.99	0.99	0.99	0.99	1.1	1.21	1.35	1.43

c) Refrigerant Pipe Insulation

All refrigerant piping shall be insulated using closed-cell elastomeric foam insulation (Class 0 or equivalent fire resistant) suitable for HVAC applications.

Minimum insulation thickness shall be as per the table below or manufacturer's recommendations, whichever is more stringent.

All insulation joints shall be properly sealed with adhesive/tape to ensure a continuous vapor barrier. Insulation exposed to sunlight shall be protected with UV-resistant coating, aluminum cladding, or equivalent protective covering.

Minimum closed cell foam Insulation for refrigerant Pipes as below Table or as per manufacturer recommendations.

Pipe Size (mm)	**Within AC Space**	**Non-AC Space**	**Exposed to Atmosphere**
6.35–19.05	13 mm	19 mm	19 mm
22.2–31.75	19 mm	25–32 mm	32 mm
≥38.1	19–25 mm	25–32 mm	32 mm

All insulation shall be properly installed to ensure a continuous vapor barrier.

- All joints shall be sealed using approved adhesive
- No gaps shall be permitted
- Fittings, joints, headers, and valves shall be insulated using pre-formed insulation

Piping exposed to atmospheric conditions shall be additionally protected using UV-resistant aluminum cladding, aluminum tape, or equivalent approved protective covering.

d) Routing and Protection

Refrigerant piping installed externally shall be properly protected and routed in heavy-duty GI trays or supports with provision for inspection and maintenance.

Piping installed on roofs shall be supported at a minimum height of 75 mm (3 inches) or as recommended by the Client above finished surface level.

e) Pipe Supports

All refrigerant piping shall be adequately supported throughout its length in accordance with good engineering practice.

- Supports shall not be located directly on joints or fittings
- Horizontal supports shall be placed over insulation to allow thermal expansion and contraction

Maximum support spacing shall be or as instructed by the Client:

- **Horizontal piping**: 1500 mm
- **Vertical piping**: 2500 mm

f) Installation and Layout

The complete piping layout, sizing, routing, and joint placement shall be designed and executed strictly in accordance with the VRF system manufacturer's guidelines.

All shop drawings shall be submitted and approved prior to execution of works.

All refrigerant piping shall be:

- Pressure tested
- Leak tested
- Evacuated to required vacuum level

All procedures shall comply with manufacturer's recommendations.

g) Refrigerant Charging and Records

All installed piping lengths shall be accurately measured and recorded during commissioning.

The Contractor shall calculate and charge the additional refrigerant quantity required based on actual piping length.

The following shall be recorded and submitted:

- Total piping length
- Additional refrigerant quantity

- Final system charge

h) Installation of Refrigerant Piping

All welding and brazing of refrigerant piping shall be carried out using oxygen-free nitrogen (OFN) purging to prevent oxidation within the pipes.

A continuous flow of nitrogen shall be maintained through the piping during all brazing operations. The Contractor shall ensure that no oxidation scale is formed on the internal surfaces of the piping.

i) Pipe Cleanliness and Handling

All refrigerant piping shall be kept clean, dry, and free from moisture, dust, and contaminants at all times.

- Pipes shall be stored in dry conditions with factory-sealed end caps intact
- Any pipe found without end caps or exposed to contamination shall be rejected
- After cutting pipes, all open ends shall be immediately sealed
- During installation, any open ends shall be securely sealed whenever work is interrupted

j) Branch Connections

Branching of refrigerant piping shall be carried out using manufacturer-approved Y-joints, T-joints, or header distributors specifically designed for VRF systems. No alternative fittings or improvised connections shall be permitted. The selection, positioning, and installation of all branch joints shall be strictly in accordance with the manufacturer's guidelines and installation standards.

k) Compliance with Manufacturer's Requirements

All equipment and installation works shall be carried out strictly in accordance with the manufacturer's technical specifications, installation manuals, and design standards.

Refrigerant piping sizes, branch fittings, routing, and communication wiring shall be selected and installed as per the manufacturer's recommendations.

The Contractor shall be responsible for final sizing based on detailed design and manufacturer's selection.

l) System Design and Selection

The Contractor shall carry out a complete system selection using manufacturer-approved software, taking into account:

- Actual piping lengths
- Number and type of fittings
- Vertical height differences
- Indoor unit distribution
- System diversity and load conditions

The Contractor shall submit detailed selection reports, including system schematics and capacity calculations, for approval prior to procurement and installation.

m) Approval Requirement

Prior to finalization of equipment and commencement of installation, the Contractor shall submit all design calculations, piping layouts, and equipment selections for review and approval by the Engineer/Client.

Approval shall not relieve the Contractor of responsibility for the correctness and performance of the system.

2-04 Electrical Wiring and Controls Cabling

All electrical works shall be carried out strictly in accordance with the VRF system manufacturer's recommendations, relevant standards, and approved shop drawings. Power supply to all outdoor and indoor units shall be provided as per system requirements and manufacturer's recommendations.

All cables, accessories, and installation practices shall be suitable for the intended application and environment.

a) Control and Communication Wiring

All communication between indoor and outdoor units shall be carried out through low-voltage communication cables as per manufacturer's protocol.

Control/communication cables shall:

- Be shielded type cables
- Be 2-core or 3-core, as required
- Have conductor size 1.5 mm², or as recommended by the manufacturer

All communication wiring shall be fully compatible with the VRF system and shall ensure reliable data transmission.

b) Cable Installation Requirements

- All control and communication cables shall be installed in PVC conduits or approved cable containment systems
- Cables shall be properly supported and routed to avoid mechanical damage

Power and control cables shall be installed separately to prevent electromagnetic interference.

- No power and communication cables shall be run in the same conduit or tray unless specifically permitted by the manufacturer
- Adequate separation shall be maintained between power and control cables at all times

Control cables shall not be tightly bundled or compressed, and proper spacing shall be maintained to ensure signal integrity.

c) Compliance

All wiring works shall comply with:

- Manufacturer's installation guidelines
- Applicable electrical standards
- Approved shop drawings

2-05 Installation, Pressure Testing, Evacuation, Commissioning and Testing

All supply, installation, testing, and commissioning works shall be carried out by the manufacturer's authorized and qualified specialist contractor/supplier.

All works shall be executed strictly in accordance with the manufacturer's installation manuals, technical guidelines, and approved shop drawings.

a) Pressure Testing

Upon completion of refrigerant piping installation and prior to insulation, the entire piping system shall be subjected to a pressure test using dry nitrogen.

Any leakage detected during testing shall be rectified, and the test shall be repeated until satisfactory results are achieved.

Use of oxygen or compressed air for pressure testing shall not be permitted.

b) Evacuation (Vacuuming and Dehydration)

After successful pressure testing, the system shall be evacuated using a suitable high-quality vacuum pump.

If required, evacuation shall be repeated until the desired vacuum stability is achieved.

All evacuation readings shall be properly recorded and submitted for approval.

c) Refrigerant Charging and Commissioning

Final refrigerant charging and system commissioning shall be carried out by:

- A manufacturer's representative, or
- A factory-trained and authorized engineer

The Contractor shall:

- Measure and record total piping length
- Calculate additional refrigerant charge
- Charge refrigerant strictly as per manufacturer's guidelines

Complete commissioning data shall be recorded and submitted, including:

- Refrigerant charge quantity
- Operating pressures
- Temperatures
- System performance parameters

d) Commissioning Documentation

The Contractor shall submit detailed commissioning reports, including:

- Pressure test records
- Vacuum test records
- Refrigerant charging details
- System performance data

All documents shall be submitted for approval prior to handover.

e) Compliance and Certification

All installation, testing, and commissioning works shall comply with:

- Manufacturer's recommendations
- Approved specifications
- Relevant standards

If required by the Engineer/Client, a manufacturer's representative shall visit the site and issue a certificate confirming that the installation and commissioning are in accordance with manufacturer requirements.

2-06 Warranty

All equipment and associated components shall be provided with a minimum two (2) year comprehensive warranty from the date of handing over.

2-07 After-Sales Support

The Contractor/Supplier shall be fully responsible for:

- After-sales service
- Troubleshooting
- Maintenance
- Availability of spare parts

All such services shall be included in the contract scope and shall be valid during the warranty period without any additional cost to the Client.

2-08 Performance Testing

Upon completion of installation and commissioning, the Contractor shall carry out performance testing of the VRF system in the presence of the Engineer/Client to verify compliance with specified requirements.

The performance testing shall include, but not be limited to, the following:

- Verification of operation of all indoor and outdoor units
- Measurement of room temperature achieved in conditioned spaces
- Verification of air distribution and airflow from indoor units
- Measurement of system operating parameters including suction/discharge pressures, temperatures, and electrical consumption
- Verification of control system functionality, including local and central controllers
- Verification of system stability under continuous operation

The system shall be operated under design or near-design load conditions, and the Contractor shall demonstrate that the system is capable of maintaining the required indoor comfort conditions.

Acceptance Criteria

The system shall be deemed acceptable only if it is capable of maintaining the specified indoor temperature conditions under normal operating conditions without abnormal noise, vibration, or system faults.

In the event that the system fails to meet the specified performance requirements, the Contractor shall carry out all necessary modifications, adjustments, or replacements at no additional cost to the Client until satisfactory performance is achieved.

The Contractor shall submit detailed performance test reports, including all measured parameters, observations, and test conditions, for approval prior to final handover.

Indoor Design Conditions

The VRF air conditioning system shall be designed to maintain the following indoor environmental conditions under peak summer design conditions:

Indoor Conditions:

- Dry Bulb Temperature: **26 ± 1°C**
- Relative Humidity: **50% ± 10%**

Outdoor Design Conditions:

- Ambient Temperature: As per site location

The system shall be capable of maintaining the above indoor conditions under the specified outdoor design conditions with all equipment operating under normal conditions.

BOQ FOR SUPPLY AND INSTALLATION OF VRF SYSTEM					
S.NO.	**DESCRIPTION**	**UNIT**	**QTY.**	**RATE (PKR)**	**AMOUNT (PKR)**
1	SUPPLY OF VRF AIR CONDITIONING SYSTEM				
	VRF Outdoor Units				
	Supply of INVERTER BASED REVERSIBLE TYPE VRF AIR COOLED CONDENSING UNIT (s) (Heat and Cool) with factory charged ozone friendly refrigerant, all units should have multi DC inverter type compressors to deliver the required capacities matched to relevant indoor units. The units shall have built in all control and safety devices for smooth continuous operation, complete in all respects.				
	Nominal Capacity 20.5 TR, 380-415 Volt, 3-Ph, 50Hz	No's	1		
	Nominal Capacity 25.0 TR, 380-415 Volt, 3-Ph, 50Hz	No's	1		
	Nominal Capacity 25.0 TR, 380-415 Volt, 3-Ph, 50Hz	No's	1		
	Nominal Capacity 20.0 TR, 380-415 Volt, 3-Ph, 50Hz	No's	1		
	Nominal Capacity 36.0 TR, 380-415 Volt, 3-Ph, 50Hz	No's	1		
	Nominal Capacity 25.0 TR, 380-415 Volt, 3-Ph, 50Hz	No's	1		
	VRF Indoor Units				
	Supply of Decorative Ceiling Cassette Type Indoor Units to be connected with All DC Inverter reversible heat pump type outdoor condensing units. The indoor unit shall be of capacities as specified, the indoor unit shall be complete with variable speed fan motors electronic thermostatic, coils, insulated casing, condensate drain pan and DC drain pump, controls and with programmable remote or wall mounted thermostat and shall also be provided all accessories and fittings etc, including refrigerant piping, electrical and control wiring, complete in all respects.				
	Nominal Cooling Capacity 1 TR	No's	4		
	Nominal Cooling Capacity 1.25 TR	No's	2		
	Nominal Cooling Capacity 1.5 TR	No's	11		
	Nominal Cooling Capacity 2.0 TR	No's	2		
	Nominal Cooling Capacity 2.5 TR	No's	8		
	Nominal Cooling Capacity 3.0 TR	No's	10		
	Nominal Cooling Capacity 3.5 TR	No's	19		
	Nominal Cooling Capacity 4.0 TR	No's	2		
	VRF Y-Branches & Controllers				
	Y-branches & Connectors				
	Joint - 1	No's	8		
	Joint - 2	No's	16		
	Joint - 3	No's	21		
	Joint - 4	No's	7		
	Joint - 5	No's	7		
	Central Controller	No's	1		
	Wireless Controllers	No's	58		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE (PKR)	AMOUNT (PKR)
2	INSTALLATION OF VRF AIR CONDITIONING SYSTEM				
a.	Outdoor unit				
	Rigging / Lifting, Placement & Installation of Outdoor Units	No's	6		
b.	Indoor Units				
	Installation of VRF Indoor Unit complete with Hangers and Support.	No's	58		
c.	Providing, Installation, Testing Commissioning of Hard Copper Refrigerant Piping to be connected among all indoors and out door units of All DC Inverter Reversible heat pump type air conditioning system, The copper piping shall include, liquid & suction line with factory supplied refnet joints, and all fittings and fixtures involved like bend / elbow, etc, the copper piping shall be of L type, this also includes the preformed insulation of entire copper piping network. All refrigerant piping shall be further insulated with minimum high density closed cell foam insulation of 13mm thickness with aluminium foil. The refrigerant piping shall be sized on manufacturer's software, the piping also includes, pressure testing, vacuum making and all ancillary processes, and charge of any additional refrigerant if required complete in all respects.				
	Pipe Sizes are follows:				
	Ø 1/4"	Rft	301		
	Ø 3/8"	Rft	920		
	Ø 1/2"	Rft	536		
	Ø 5/8"	Rft	953		
	Ø 3/4"	Rft	680		
	Ø 7/8"	Rft	133		
	Ø 1"	Rft	20		
	Ø 1 1/8"	Rft	240		
	Ø 1 1/4"	Rft	130		
	Ø 1 3/8"	Rft	485		
	Ø 1 5/8"	Rft	85		
d.	Providing and Installation of Condensate Drain Piping & Insulation, the condensate drain pipe shall be UPVC Sch-40 pipes including all types of fittings and fixture like tees, elbows, traps, etc., the condensate drain piping shall be further covered with 9mm thick closed cell foam insulation. All condensate drain piping shall be in the minimum slope of 1% in the direction of flow complete in all respects.				
	Ø 1"	Rft	800		
	Ø 1 1/4"	Rft	450		
	Ø 1 1/2"	Rft	300		
e.	Supply & installation of Communication Cabling (flexible shielded) for indoor unit, from respective Outdoor unit, inside PVC Conduit 2C x 1.5 mm²	Rft	3900		
h.	Extra Refrigerant Charge for VRF System	kg	110		
i.	Testing & Commissioning	Job	1		
				Total (Pak. Rs.)	

Undertaking

[To be provided if the Contractor is opting to submit Performance Guarantee other than Bank Guarantee, this Affidavit is mandatory to be provided on at least 100 judicial stamp paper]

Affidavit of Mr. ....., having **CNIC # .....**, as **.....** *on behalf of* **M/s .....**, having their registered office at **.....**

M/s ..... participated in the Open Competitive Bidding process for procurement activity titled; "**Procurement of .....**" of Allama Iqbal Open University and happened to be the Most Advantageous Bidder for award of contract. Now whereof, pursuant to Special Condition of Contract Clause No. 10, **M/s .....** is obligated to furnish Performance Guarantee amounting to **Pak. Rs. ...../-** against Contract No. **.....** titled; "**Procurement of .....**" dated **.....-.....-.....**, in the form of Bank Guarantee. However, due to certain operational/ functional procedures, the Supplier namely **M/s .....** is constrained to provide the Performance Bank Guarantee and could not provide further rational in this regard. However, **M/s .....** made a request to Allama Iqbal Open University (the Procuring Agency) to allow submission of **Performance Guarantee** in the form of **Demand Draft/ Pay Order/ Call Deposit Receipt** bearing **..... Bank Instrument No. .....** dated **.....-.....-.....**, amounting to **Pak. Rs. ...../-**.

In the above context, I, the above-named deponent, do hereby solemnly state on oath that I am an authorized representative of **M/s .....** and, hereby on behalf of **M/s .....** declare, agree, understand, warrant and undertake that:

1. **M/s .....** is submitting a **Demand Draft/ Pay Order/ Call Deposit Receipt** bearing **..... Bank Instrument No. .....** dated **.....-.....-.....**, amounting to **Pak. Rs. ...../-** as **Performance Guarantee** in lieu of **Bank Guarantee** for supply of goods and related services, viz., "**Procurement of .....**" in complete understanding of the **Notification of Award/ Letter of Intent** and the **Contract Agreement** dated **.....-.....-.....** respectively, issued by the Directorate of Purchase & Stores of Allama Iqbal Open University,

2. **M/s .....** has no objection if Allama Iqbal Open University encashes the above-referred **Demand Draft, Pay Order** or **Call Deposit Receipt** and deposits the amount in its account(s),

3. **M/s .....** hereby irrevocably and unconditionally undertakes and warrants that **M/s .....** shall neither have any claim or any interest of accused by depositing, after encashment of the Performance Guarantee instrument, the amount in its account(s) by the University nor **M/s .....** shall, in any whatsoever case, claim any interest, if accrued, from the University being cognizant of the fact that Allama Iqbal Open University has facilitated **M/s .....** for their compliance with the contractual terms & conditions,

4. **M/s .....** hereby further irrevocably and unconditionally undertakes and warrants that, Allama Iqbal Open University shall have full authority to take any punitive action it would deem appropriate, including blacklisting of the **M/s .....** for any duration Furthermore, **M/s .....** shall not challenge the decision of the University in any court of law if:

(i) in the event the submitted Demand Draft, Pay Order or Call Deposit Receipt is found to be counterfeit,

(ii) shall not pursue any institution public and/ or private, in the context of Clause-3 of this Affidavit in any manner besides challenging in any court of law,

(iii) accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, and

(iv) shall not request Allama Iqbal Open University for release of performance guarantee amount prior to successful completion of warranty period of supplied goods and services, which shall invariably be complied with after acceptance of the supplies by the University as per Clause No. 11 of the Special Condition of Contract dated **.....-.....-.....**.

DEPONENT

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Advance Payment Security

Bank Guarantee

[Guarantor letterhead or SWIFT identifier code]
Beneficiary: *[Insert name and Address of* Employer*]*
Date: *[Insert date of issue]*
ADVANCE PAYMENT GUARANTEE No.: *[Insert guarantee reference number]*
Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[insert name of Contractor, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the execution of *[insert name of contract and brief description of* Works*]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum *[insert amount in figures]* () *[insert amount in words]* is to be made against an advance payment guarantee.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* () *[insert amount in words]*[1] upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:

(a) has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or

(b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Applicant on its account number *[insert number]* at *[insert name and address of Applicant's bank]*.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, less provisional sums, has been certified for payment, or on the *[insert day]* day of *[insert month]*, 2 *[insert year]*,[2] whichever is earlier. Consequently,

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[1] *The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Employer.*

[2] *Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*

any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.

_____

[signature(s)]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

No.	Equipment Type and Characteristics	Unit of Measurement	Minimum Number/ Quantity required
1	Steel Shuttering	Sft	5,000
2	Scaffolding (MS)	Rft	8,000
3	Mixing Machine (Full Load)	No.	1
4	Total Station	No.	1
5	Theodolite	No.	1
6	Auto-level	No.	1
7	Vibrator	No.	2
8	Mechanical Compactor	No.	1
9	Generator	No.	1
10	Water Pump	No.	1
11	Lift Machine	No.	1
12	Water Boser	No.	1
13	Air Compressor	No.	1

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

The drawings are available in the following Google Drive Link:

https://drive.google.com/file/d/1g1KgvkpggU0SP2hpCTeSSa3Yfj3QO7R/view?usp=drive_link

CONSTRUCTION EXPERIENCE

Form EXP - 4.1
General Construction Experience

Bidder's Name: _____
Date: _____
JV Member's Name_____
Bid Reference No. (if any) and title: _____
Page _____of _____pages

Starting Year	Ending Year	Contract Identification	Role of Bidder
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Form EXP - 4.2(a)

Specific Construction and Contract Management Experience

Bidder's Name: _____
Date: _____
JV Member's Name_____
Bid Reference No. (if any) and title: _____
Page _____of _____pages

Similar Contract No.	**Information**			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount			PKR equivalent	
If member in a JV or sub-contractor, specify participation in total Contract amount				
EMPLOYER's Name:				
Address: Telephone/fax number E-mail:				

Form EXP - 4.2(a) (cont.)
Specific Construction and Contract Management Experience (cont.)

Similar Contract No.	**Information**
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	
2. Physical size of required works items	
3. Complexity	
4. Methods/Technology	
5. Construction rate for key activities	
6. Other Characteristics	

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Form EXP - 4.2(b)
Construction Experience in Key Activities

Bidder's Name: _____
Date: _____
Bidder's JV Member Name: _____
Sub-contractor's Name (if any): _____
Bid Reference No. (if any) and title: _____

Page _____of _____pages

All Sub-contractors for key activities must complete the information and Qualification Criteria and Requirements, Sub-Factor 4.2.

1. Key Activity No One: _____

	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount			PKR equivalent	
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i)	Percentage participation (ii)		Actual Quantity Performed (i) x (ii)
Year 1				
Year 2				
Year 3				
Year 4				
EMPLOYER's Name:				
Address: Telephone/fax number				

	Information
E-mail:	

2. Activity No. Two

3. ……

	Information
Description of the key activities in accordance with Section III:	

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Form EXP - 4.2 (c)
Specific Experience in Managing ES aspects

[The following table shall be filled in for contracts performed by the Bidder, and each member of a Joint Venture]

Bidder's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insertfull name]*
Bid Reference No. (if any) and title: *[insert ICB/NCB number and title]*
Page *[insert page number]* of *[insert total number]* pages

1. Key Requirement no 1 in accordance with 4.2 (c): _____

Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Subcontractor ☐
Total Contract Amount			PKR	
Details of relevant experience				

2. Key Requirement no 2 in accordance with 4.2 (c): _____

3. Key Requirement no 3 in accordance with 4.2 (c): _____

4. [PA define key requirements]

Contractor's Representative and Key Personnel Schedule

Bidders should provide the names and details of the suitably qualified Contractor's Representative and Key Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

Contractor' Representative and Key Personnel

1.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
2.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
3.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
4.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]

	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
5.	**Title of position:**	
	Name of candidate	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
6.	**Title of position:** *[insert title]*	
	Name of candidate	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]

Form PER-2:
Resume and Declaration
Contractor's Representative and Key Personnel

Name of Bidder

Position [*#1*]: [*title of position from Form PER-1*]		
Personnel information	**Name:**	**Date of birth:**
	Address:	**E-mail:**
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency:*[language and levels of speaking, reading and writing skills]*	
details		
	Address of Employer:	
	Telephone:	**Contact (manager / personnel officer):**
	Fax:	
	Job title:	**Years with present Employer:**

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Project	**Role**	**Duration of involvement**	**Relevant experience**
[main project details]	*[role and responsibilities on the project]*	*[time in role]*	*[describe the experience relevant to this position]*

Declaration

I, the undersigned *[insert either "Contractor's Representative" or "Key Personnel" as applicable]* , certify that to the best of my knowledge and belief, the information contained in this Form PER-2 correctly describes myself, my qualifications and my experience.

I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Bid:

Commitment	**Details**
Commitment to duration of contract:	*[insert period (start and end dates) for which this Contractor's Representative orKey Personnel is available to work on this contract]*
Time commitment:	*[insert period (start and end dates) for which this Contractor's Representative orKey Personnel is available to work on this contract]*

I understand that any misrepresentation or omission in this Form may:

(a) be taken into consideration during Bid evaluation;

(b) result in my disqualification from participating in the Bid;

(c) result in my dismissal from the contract.

Name of Contractor's Representative or **Key Personnel: [*insert name*]**

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day/month/year): _____

Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Eligibility and Qualification Criteria.

No.	**Source of financing**	**Amount (Eq. PKR)**
1		
2		
3		

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Past Experience / Contracts

Contracts over *[insert amount]* during the last three years:				
Procuring Agency	Value	Year	Goods/Services Supplied	Country of Destination

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Historical Contract Non-Performance, and Pending Litigation and Litigation History

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insert full name]*
IFP No. and title: *[insert IFP number and title]*
Page *[insert page number]* of *[insert total number]* pages

☐ Not debarred due to deviation from commitment of Bid Securing Declaration-☐ Not debarred due to non-performance			
Year	**Non-performed portion of contract**	**Contract Identification**	**Total Contract Amount (current value, currency, exchange rate and PKR equivalent)**
[insert year]	*[insert amount and percentage]*	Contract Identification: *[indicate complete contract name/ number, and any other identification]* Name of Procuring Agency: *[insert full name]* Address of Procuring Agency: *[insert street/city/country]* Reason(s) for nonperformance: *[indicate main reason(s)]*	*[insert amount]*
Pending Litigation, in accordance with Section III, Qualification Criteria and Requirements			
☐ Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.3 as indicated below.			

Year of dispute	**Amount in dispute (currency)**	**Contract Identification**	**Total Contract Amount (currency), ~~US$~~ PKR Equivalent (exchange rate)**

[insert year]	*[insert amount]*	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Procuring Agency: *[insert full name]* Address of Procuring Agency: *[insert street/city/country]* Matter in dispute: *[indicate main issues in dispute]* Party who initiated the dispute: *[indicate "Procuring Agency" or "Supplier"]* Status of dispute: *[Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]*	*[insert amount]*

☐ No consistent history of court/arbitral award decisions in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.4.

☐ Consistent history of court/arbitral award decisions in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.4 as indicated below.

Year of award	**Outcome as percentage of Net Worth**	**Contract Identification**	**Total Contract Amount (currency), PKR Equivalent (exchange rate)**
[insert year]	*[insert percentage]*	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Procuring Agency: *[insert full name]* Address of Procuring Agency: *[insert street/city/country]* Matter in dispute: *[indicate main issues in dispute]* Party who initiated the dispute: *[indicate "Procuring Agency" or "Supplier"]* Court/ arbitral award decision: *[Indicate if the award decision was against the Applicant or any member of a joint venture.]y]*	*[insert amount]*

Current Contract Commitments / Works in Progress

Bidders and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Current Contract Commitments					
No.	Name of Contract	**Employer's Contact Address, Tel, Fax**	**Value of Outstanding Work [Current Eq. PKR]**	**Estimated Completion Date**	**Average Monthly Invoicing Over Last Six Months [Eq. PKR/month)]**
1					
2					
3					
4					
5					

Financial Situation and Performance

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insert full name]*
IFP No. and title: *[insert IFP number and title]*
Page *[insert page number]* of *[insert total number]* pages

1. Financial data

Type of Financial information in (currency)	**Historic information for previous _[insert number] years, [insert in words] (amount in currency, currency, exchange rate*, PKR equivalent)**				
	Year 1	Year 2	Year 3		
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

* Refer ITA 14 for the exchange rate

3. Financial documents

The Applicant and in case of JV, members of JV shall provide copies of financial statements for *[number]* years pursuant Section III, Qualifications Criteria and Requirements. The financial statements shall:

(a) reflect the financial situation of the Applicant or in case of JV member, and not an affiliated entity (such as parent company or group member).

(b) be independently audited or certified in accordance with local legislation.

(c) be complete, including all notes to the financial statements.

(d) correspond to accounting periods already completed and audited.

☐ Attached are copies of financial statements[1] for the *[number]* years required above; and complying with the requirements.

[1] If the most recent set of financial statements is for a period earlier than 12 months from the date of Application, the reason for this should be justified.

Average Annual Turnover (Annual Sales Value)

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insert full name]*
IFP No. and title: *[insert IFP number and title]*
Page *[insert page number]* of *[insert total number]* pages

Annual Turnover Data			
Year	**Amount** **Currency**	**Exchange rate*** **(If applicable)**	**PKR equivalent**
[indicate calendar year]	*[insert amount and indicate currency]*		
		Average Annual Turnover **	

* Refer ITA for date and source of exchange rate.

** Total PKR equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, ITA.