

Standard Bidding Document

WELLNESS COMPLEX MINISTER'S ENCLAVE, ISLAMABAD.
(Works)

National

Single Stage-Two Envelope

CORRIGENDUM # 1	CORR-P63434-001
Initiation Date	July 21, 2026



July 21, 2026

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REQUEST FOR BIDS

PROCUREMENT OF CIVIL WORKS

1. The **Capital Development Authority (Works Directorate)** has reserved Funds for the procurement planned for FY **2026-27**. The **Capital Development Authority (Works Directorate)** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**WELLNESS COMPLEX MINISTER'S ENCLAVE, ISLAMABAD.**" with the reference of "**P63434**".

2. The **Capital Development Authority (Works Directorate)** invites electronic Bids from eligible Bidders for procurement of Works (**WELLNESS COMPLEX MINISTER'S ENCLAVE, ISLAMABAD.**) described in the bidding documents on **EPADS v2.0**.

3. **Single Stage-Two Envelope** will be used by adopting **Least Cost Based Selection (LCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 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 amounting described in Bid Security Section in Bidding Document in the form of **Pay Order, Call at Deposit**. 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/63434>** 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 **Friday, July 31, 2026 11:30 AM**. E-bids will be opened by using **EPADS v2.0** on the same day at **Friday, July 31, 2026 12:00 PM**. Manual submission of Bids

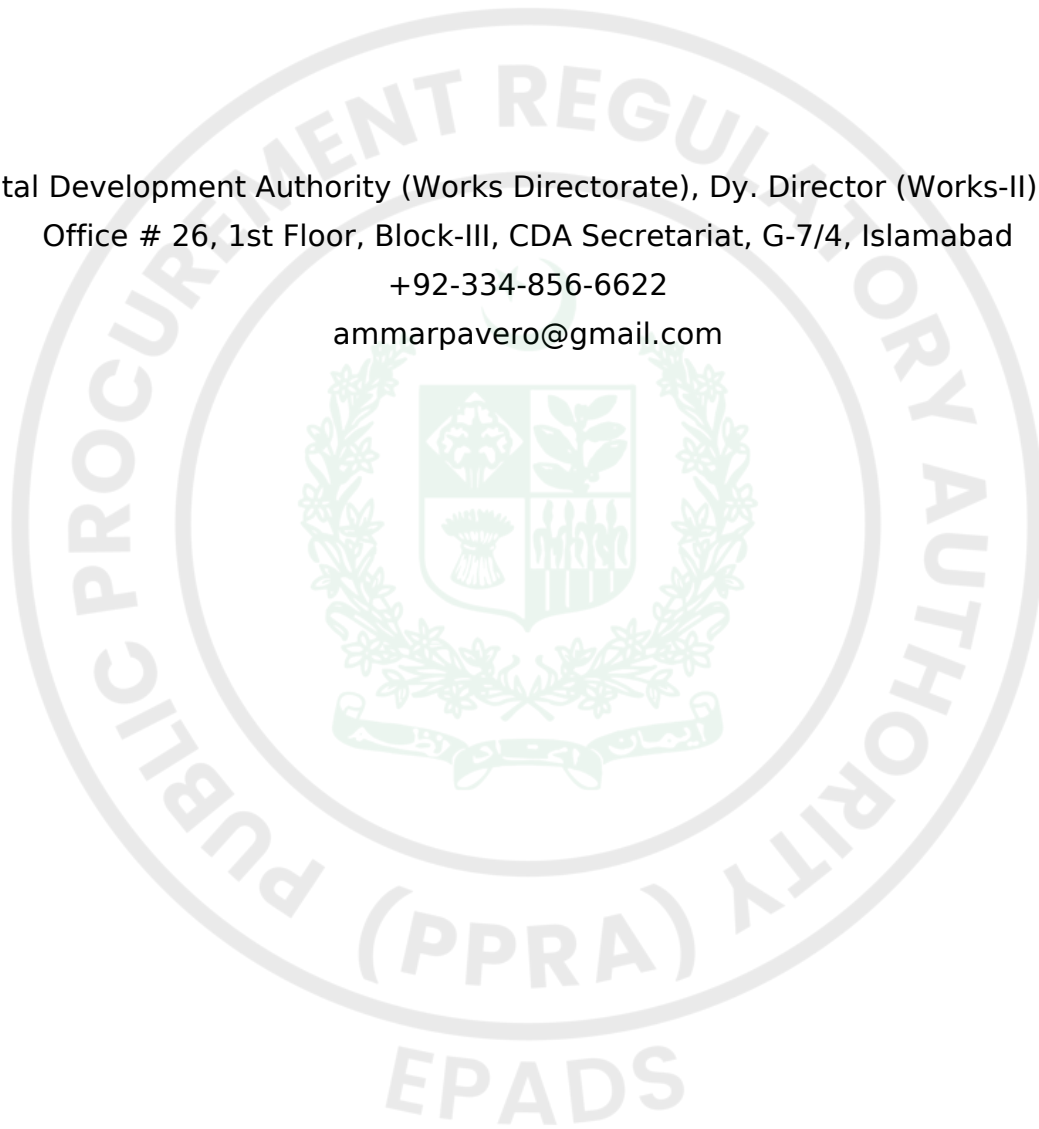
shall not be entertained. Those vendor who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://pa.epads.gov.pk/>. A tutorial to explain the registration process is available at <https://www.youtube.com/watch?v=MNW6T38v7tc>.

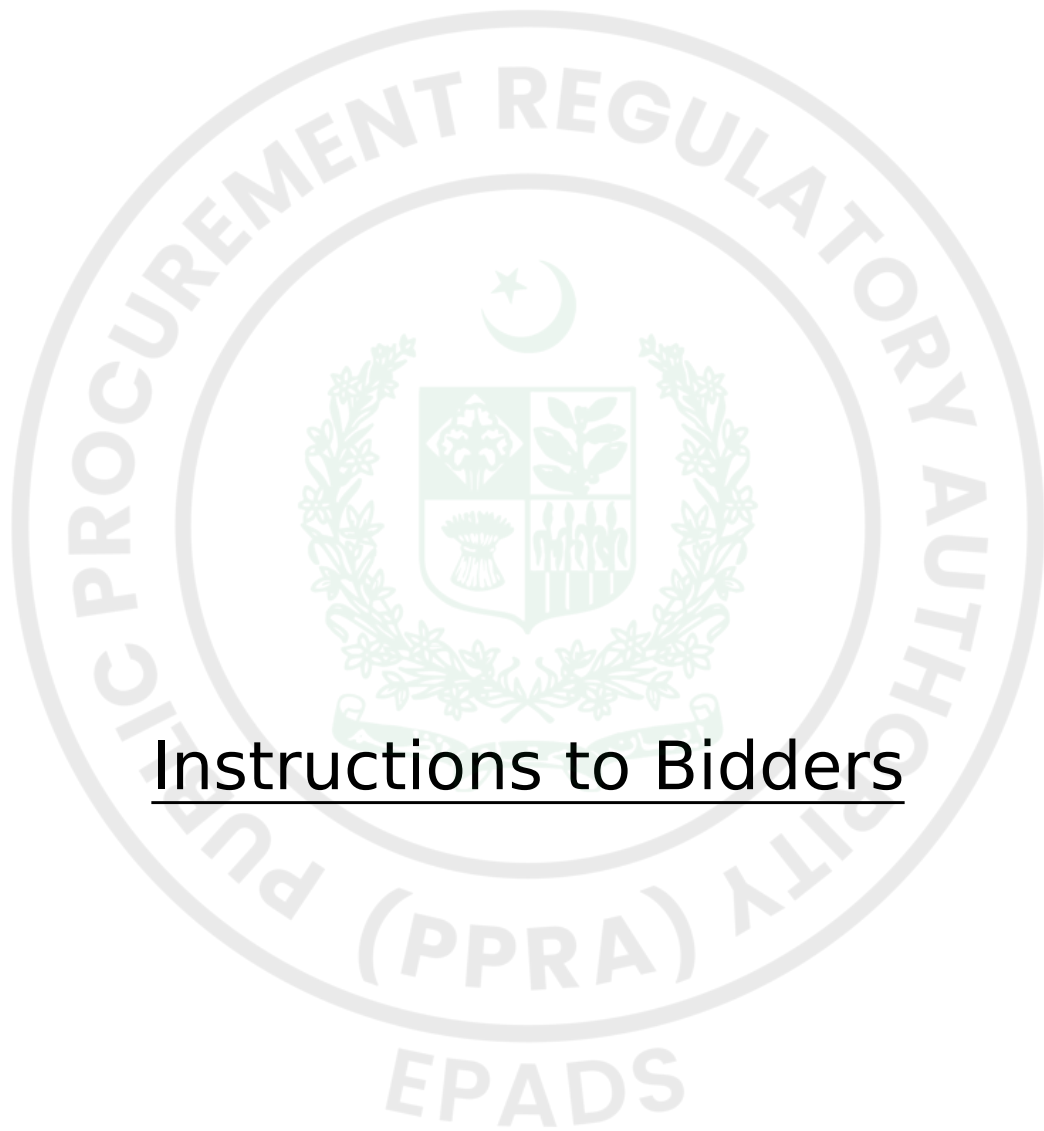
In terms of Rules 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (www.ppra.org.pk).

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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 Statutory 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:

- i. Section I -Invitation for Bids
- ii. Section II Instructions to Bidders (ITBs)
- iii. Section III Bid Data Sheet (BDS)
- iv. Section IV Eligible Countries
- v. Section V Evaluation and Qualification Criteria
- vi. Section VI Works Requirements Technical Specifications & Schedule of Requirements
- vii. Section VII Standard Bidding Forms
- viii. Section VIII General Conditions of Contract (GCC)
- ix. Section IX Particular Conditions of Contract (PCC)
- x. 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 v2.0**.

6.2. The Procuring agency/Employer shall respond to the request for clarification in accordance with the Public Procurement Rules 2004, Rule No.31 i.e. **Clarification of bids**.

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 v2.0**. 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 the PP Rules 2004, rule no. 23 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 PP Rules 2004, rule no. 27 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 PP rules 2004, rule no. 30.

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 the PP rules 2004, rule no. 26 i.e. Bid Validity.

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 the PP Rules 2004, rule no. 25 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 v2.0**, the scanned copy of bid security or bid securing declaration, as the case may be, shall be uploaded on **EPADS v2.0** 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 Bidding 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 bidding 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:

if a Bidder:

17.8.1. 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

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 PP Rules 2025, rule no.39 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 the PP rules 2004, rule no 28 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 the PP Rules 2025, rule no 38 i.e. Clarifications.

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 the PP Rule 2004, rule no. 30 (2).

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 in accordance with the PP Rules 2025 rule no. 43. 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/Employer's Right to reject All Bids

38.1. The procuring agency has the right to reject all bids in accordance with the PP Rules 2025 rule no. 45. 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 the PP Rules 2004, rule no. 40.

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

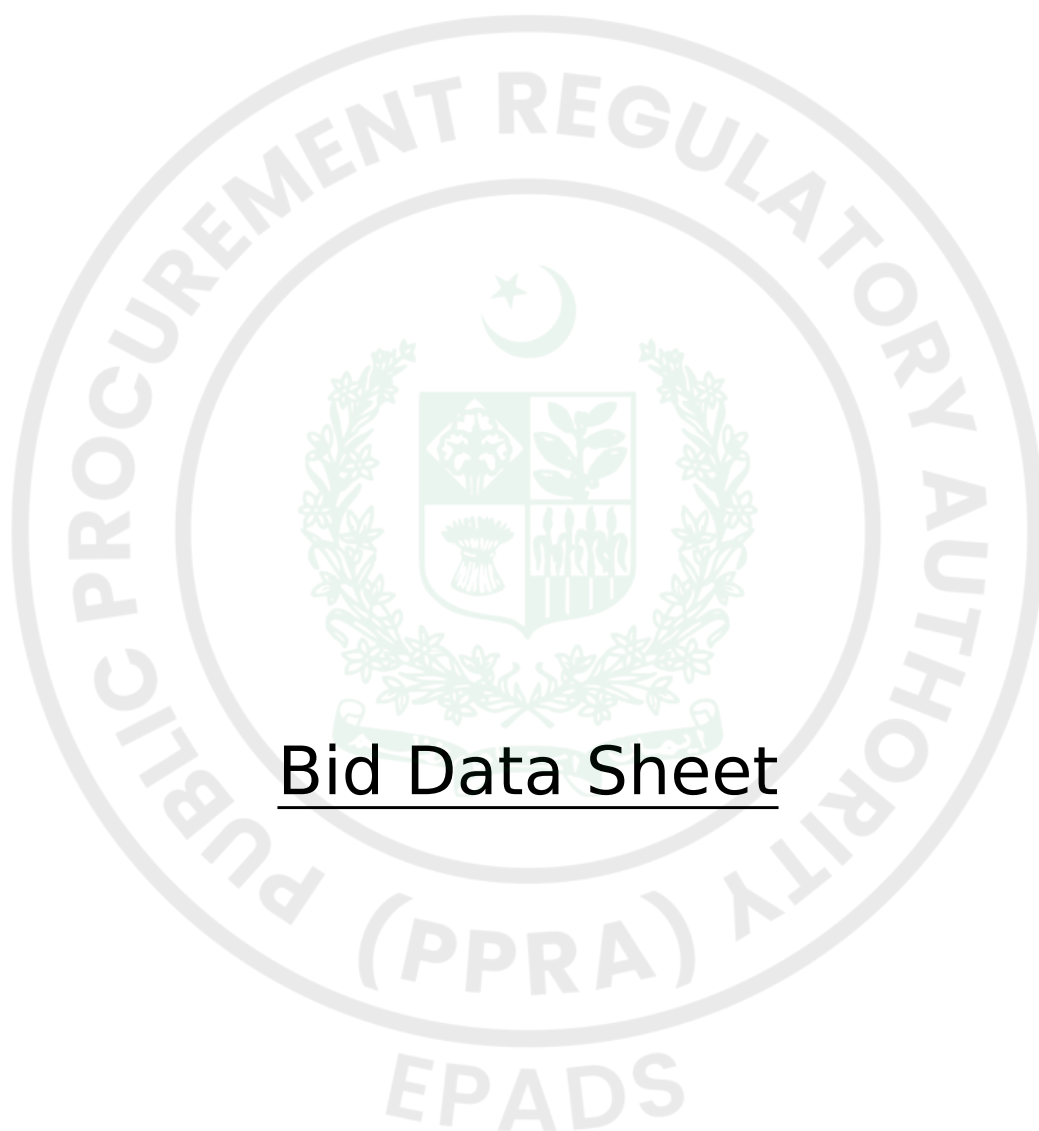
45. Grievance Redressal

45.1. Grievance Redressal shall be carried out in accordance with the PP Rules 2025, rule no. 65 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 PP Rules 2025, rule no.25 i.e. Blacklisting and "Blacklisting and Debarment of Bidders or Contractors Regulations 2024.



Bid Data Sheet

Bid Data Sheet (BDS)

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

A. Introduction

ITB Number

Amendments of, and Supplements to, Clauses in the Instruction to Bidders

ITB Number1.1

Name of Procuring agency/Employer: **Capital Development Authority (Works Directorate)**

The subject of procurement is: **WELLNESS COMPLEX MINISTER'S ENCLAVE, ISLAMABAD.**

Period for completion of the works **4 Months**

Commencement date execution of the works: **14 Days**

Type of Procurement:**Local**

ITB Number2.1

Financial year for the operations of the Procuring agency/Employer: **2026-27**

Name of Project [insert: name and summary description of the Project if any]

Name of financing institution: [insert: name if any]

Name and identification number of the Contract: **P63434**

ITB Number3.1

JV/Consortium or Association Allowed: **Yes**

Maximum number of members in the joint venture shall be: **3.**

B. Bidding Documents

ITB Number6.4

The Bidders may seek clarifications through **EPADS v2.0: Last Clarification Date: Thursday, July 23, 2026**

C. Preparation of Bids

ITB Number 8.1

The Language of all correspondences and documents related to the Bid is: **English**

ITB Number 5.1 & 9.1

The following documents must be included to constitute the Bid

1. Filled in, Signed and Stamp letter of Technical Bid.
2. Signed and Stamp Integrity Pact

ITB Number 9.4 (b)

Other procurement specific documentation requirements are:

The bidder shall submit with its priced bid the following documents to be uploaded on E-PADS

- Duly filled in signed and stamped Letter of Price Bid.
- Bill of Quantities.
- Estimated Progress Payments.

ITB Number 12.4

The Bid price will be/will not be subject to the price adjustment **Nil**.

ITB Number 12.6

The Bid price shall be adjusted in accordance with Schedule-A to Bid - "Schedule of Adjustment Data" if available.

ITB Number 13.1

Bidders to quote entirely in **Pak rupees (PKR)**

ITB Number 15.1

The Bid Validity period shall be **120 Days** days.

ITB Number16.1

The amount of Bid Security shall be (insert amount)

The currency of the Bid Security shall be: **PKR**.

ITB Number16.2

The Bid Security shall be in the form of:**Pay Order, Call at Deposit**

D. Submission of Bids

ITB Number19.1

The deadline for Bid submission is:**Friday, July 31, 2026 11:30 AM**

Address for submission of Original Bid Security:**Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, Islamabad**

ITB Number21.1

The Bid opening shall take place at:**EPADS v2.0**

Day : **Friday**

Date: **July 31, 2026**

Time : **12:00 PM**

ITB Number27.1

The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid prices expressed in various currencies is: **PKR Only**

The source of exchange rate shall be: **Nil**

The date of exchange rate shall be: **Nil**

ITB Number28.2 &28.5

Least Cost Based Selection (LCBS)

see Evaluation Criteria

ITB Number29.1

Domestic preference to apply.

Domestic preference:**No**

Preference to domestic or national suppliers or contractors shall be provided in accordance with policies of the Federal Government and/or in accordance with the regulations issued by the Authority.

If Yes, The percentage for the domestic preference alongwith calculation formula is provided in the evaluation and qualification criteria.

ITB Number32.2

Sub-contracting is allowed? : **No**

No% of the total value of the contract.

39.1 The Performance Security (or guarantee) shall be **10.00%**

39.2 The Performance Security (or guarantee) shall be in the form of:**Bank Guarantee**



Eligibility Criteria

Bidder's Type	Required Registration
Sole Proprietorship	NADRA CITIZENSHIP (CNIC/NICOP)
Partnership Firm	FBR (NTN)
Company (Private Limited)	FBR (GSTN)
Company (Public Limited)	PEC
Company (Limited by Guarantee)	
State Owned Enterprise (Private Limited)	
State Owned Enterprise (Public Limited)	

Eligibility Criteria	Document
The Contractor/Firm having valid registration for the year 2026-27 with Pakistan Engineering Council in Category C-3 or above with specialization codes CE-01, CE-09, CE-10, EE-02, EE-04, EE-06, EE-07 & ME-02 are eligible to apply.	Yes
The bidder shall submit written power of Attorney authorizing the signatory of the bid to act for and on behalf of the bidder. The name and position held by each person signing the authorization must be typed or printed below the signature.	Yes

Evaluation Criteria

Least Cost Based Selection (LCBS)

Technical Marks	100
Passing Marks	70
WORKING EXPERIENCE	
Number of completed contracts of public sector Sports Facility Related works (i.e. Government or Semi Government organization or autonomous bodies or authorities) of minimum value of 60 % of the laydown cost of the project completed in the last 10 years. **NOTE** In case of Joint Venture, the working experience of leader of the Joint Venture shall be evaluated. **DOCUMENTATION REQUIREMENT** The bidder must upload Project Award Letter, Work Orders or Contract Agreement & completion Certificates and other documents necessary for confirming scope of works i.e. BOQs, IPC's etc. The bidder must upload joint venture agreement in case of projects is executed as a partner of joint venture clearly showing scope of works and percentage share of all partners of joint venture. To comply with the criteria, the share of bidder under the joint venture for similar works must be equal or exceeding the qualification criteria and requirement (Quantitative)(Doc Required) 2 Completed Contracts (20) 1 Completed Contract (10)	20

Number of on-going contracts of public sector Sports Facility Related works (i.e. Government or Semi Government organization or autonomous bodies or authorities) of minimum value of 70 % of the laydown cost of the project completed in the last 10 years. **NOTE** In case of Joint Venture, the working experience of leader of the Joint Venture shall be evaluated. **DOCUMENTATION REQUIREMENT** The bidder must upload Project Award Letter, Work Orders or Contract Agreement & completion Certificates and other documents necessary for confirming scope of works i.e. BOQs, IPC's etc. The bidder must upload joint venture agreement in case of projects is executed as a partner of joint venture clearly showing scope of works and percentage share of all partners of joint venture. To comply with the criteria, the share of bidder under the joint venture for similar works must be equal or exceeding the qualification criteria and requirement (Quantitative)(Doc Required) 2 On going Contracts (20) 1 On going Contract (10)	20
EQUIPMENT CAPABILITIES	
Concrete Batching Plant (1 m3 Capacity or above) (01) (Quantitative)(Doc Required)	4
Mobile Concrete Transit Mixers (6 Cum Capacity or above) (02) (Quantitative)(Doc Required) 02 nos. (4) 01 no. (2)	4
Mobile Crane (01 no.) (Quantitative)(Doc Required)	2
Generator (50KVA) (01 no.) (Quantitative)(Doc Required)	2

Tractor Trolley/ Dumper (02 nos.) (Quantitative)(Doc Required)	2
02 nos. (2)	
01 NO. (1)	
Water Tanker (01 no.) (Quantitative)(Doc Required)	1
PERSONNEL CAPABILITIES	
Project Manager (01 No.) • BSc Civil Engineering • registration with PEC as Registered Engineer • At least 15 years' of Professional Experience (Quantitative)(Doc Required)	5
Site Engineer (Civil) (01 No.) • BSc Civil Engineering • registration with PEC as Registered Engineer • At least 10 years' of professional experience (Quantitative)(Doc Required)	5
Site Engineer (E&M) • BSc Electrical/Mechanical/Mechatronic Engineering • registration with PEC as Registered Engineer • At least 10 years' of professional experience (Quantitative)(Doc Required)	4
Material Engineer • BSc Civil/ Geological Engineering • registration with PEC as Registered Engineer • At least 10 years' of professional experience (Quantitative)(Doc Required)	2
Supervisor (Civil) • Diploma in Civil (DAE) • at least 5 years' experience in building and road works (Quantitative)(Doc Required)	1
Supervisor (E&M) • Diploma in Electrical (DAE) • at least 5 years' experience in building and road works (Quantitative) (Doc Required)	1
Quantity Surveyor • Diploma (DAE)/Relevant Certificate • at least 5 years' experience in building project estimation (Quantitative)(Doc Required)	1
Surveyor • Diploma in Civil (DAE) /Relevant Certificate • at least 5 years' experience in building and road works (Quantitative)(Doc Required)	1

****FINANCIAL SOUNDNESS****

Financial Resources (Contract/Project Specific Bank Credit Line) (Quantitative)(Doc Required)

15

Contract/Project Specific Bank Credit Line PKR 224 Million or above **(15)**

Contract/Project Specific Bank Credit Line less than PKR 224 Million and more than or equal to PKR 210 Million **(14)**

Contract/Project Specific Bank Credit Line less than PKR 210 Million and more than or equal to PKR 196 Million **(13)**

Contract/Project Specific Bank Credit Line less than PKR 196 Million and more than or equal to PKR 182 Million **(12)**

Contract/Project Specific Bank Credit Line less than PKR 182 Million and more than or equal to PKR 168 Million **(11)**

Contract/Project Specific Bank Credit Line less than PKR 168 Million and more than or equal to PKR 154 Million **(10)**

Contract/Project Specific Bank Credit Line less than PKR 154 Million and more than or equal to PKR 140 Million **(9)**

Contract/Project Specific Bank Credit Line less than PKR 140 Million and more than or equal to PKR 126 Million **(8)**

Average Annual Construction Turnover in last 3 years, evaluated through the bidder's, Audited financial statements for the last three (03) years. (Quantitative)(Doc Required)	10
Average Annual Construction Turnover of PKR 220 million or above. (10)	
Average Annual Construction Turnover less than PKR 220 million and more than or equal to PKR 200 Million. (9)	
Average Annual Construction Turnover less than PKR 200 million and more than or equal to PKR 180 Million. (8)	
Average Annual Construction Turnover less than PKR 180 million and more than or equal to PKR 160 Million. (7)	
Average Annual Construction Turnover less than PKR 160 million and more than or equal to PKR 140 Million. (6)	
Average Annual Construction Turnover less than PKR 140 million and more than or equal to PKR 120 Million. (5)	

Jobs/Lots

Jobs Without Lots :

Job	Delivery Schedule	Quantity	Bid Security
Wellness Complex	Address: Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, Islamabad Schedule: 120 Days Quantity: 1/job	1/job	14897491 PKR

Work Specifications and Market Rates

Jobs Without Lots :

Job: Wellness Complex

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1	**RECEPTION/BILLIARD/TABLE-TENNIS**					
2	**CIVIL WORKS**					
3	**EARTH WORK (EXCAVATION & EMBANKMENT)**					
4	03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	2.7	12266.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
5	03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	1.44	8155.5	
6		ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	1.86	17545.5	
7	06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.				
8	(h)	Ratio 1:3:6	100 Cft	0.26	40827.38	
9	(i)	Ratio 1:4:8	100 Cft	9.56	35592.28	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
10	06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).				
11		a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects. including all lead and lift.				
12		(2) Type B (nominal mix 1:1½: 3)	Per Cft	2045	853.53	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
13		(b) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects: including all lead and lift.				
14		(2) Type B (nominal mix 1:1½: 3)				
15		(i) Upto 9" thick (Avg)	Per Cft	68	823.28	
16		(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-including all lead and lift.				
17		(2) Type B (nominal mix 1: 1½: 3)	Per Cft	762	700.58	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
18	06-12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).				
19		(b) Deformed bars				
20		ii) Grade-60	100kg	118.7	28479.6	
21	**BRICK WORK**					
22	07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	16.67	42181.95	
23	**ROOFING**					
24	09-15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	4	1228.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
25	09-35 (iii)	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- iii) Thermopore sheet 1" (25 mm) thick	100 Sft	17.33	19751.6	
26	09-46	Providing and applying torch-on plain water proofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge a) Plain				
27		i) 3 mm thick	Per Sft	1733	125.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
28	09-48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent),hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc:complete in all respects as approved and directed by the Engineer Incharge				
29		iv) 12 mm thick	Per Sft	1535	182.25	
30	**FLOORING**					
31	06-02	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	100Cft	7.28	14076.5	
32	10-14	Cement concrete tiles laid in 1:2 cement mortar, over ¾" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	5.76	21668.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
33	10-46-a	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (iv) 600mmx 1200 mm (24"x48")	Per Sft	1535	501.05	
34	10-36	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
35		a) Full body Glazed tiles				
36		(iv) 600mmx 1200 mm (24"x48")	Per Sft	613	501.2	
37	10-47	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. ii) 3/4" thick (12"x24"/12"x36")	Per Sft	120	538	
38	10-48	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Risers/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	66	2015.75	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
39	10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	Per Rft	42	39.9	
40	**SURFACE RENDERING**					
41	11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height: b) ½" (13 mm) thick	100 Sft	37.21	4923.45	
42	11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) ¾" (20 mm) thick	100 Sft	23.72	6585.35	
43	11-12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height. b) 1:3	100 Sft	0.58	5624.75	
44	**DOORS AND WINDOWS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
45	12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	3	4569.55	
46	12-30	Providing and fixing approved quality rim lock adjustable over the style surface	Each	4	1680	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
47	12-13	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	81	916.45	
48	12-18	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C. windows, including holdfast, etc				
49		b) Deodar wood	Per Sft	81	1075.45	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
50	25-50	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors 1.6mm, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of specified thickness tempered glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in-charge. ii) 8mm thick Glass	Per Sft.	123	1799.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
51	25-55	providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop or approved equivalent manufacturer having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing one side Tinted and one side clear double glass, and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge. b) 6mm thick Glass	Per Sft.	628	2764.35	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
52	25-52	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft.	316	538.3	
53	**PAINTING AND VARNISHING**					
54	13-31	Preparing surface and painting emulsion paint :				
55		a) 1st coat	100 Sft	37.79	1760.75	
56		b) 2nd & each subsequent coat.	100 Sft	75.58	1361.75	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
57	13-33, 13-31	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: upto 20' heigh				
58		i) 1st coat	100 Sft	180	5271	
59		ii) 2nd & each subsequent coat.	100 Sft	360	3038.4	
60	13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	13.27	2821.7	
61	**IRON WORKS**					
62	**MISCELLANEOUS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
63	26-43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	Sft	5638	12.7	
64	**NON-SCHEDULED ITEM**					
65	NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	615	110	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
66	NSI-02	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Each	3	50000	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
67	NSI-03	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	1186	440	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
68	NSI-04	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects.	Sft	1186	2500	
69	**CAFÉ**					
70	**CIVIL WORKS**					
71	**EARTH WORK (EXCAVATION & EMBANKMENT)**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
72	03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	5.12	12266.7	
73	03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	3	8155.5	
74	ii)	ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	0.25	17545.5	
75	**CONCRETE**					
76	06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.				
77	(h)	Ratio 1:3:6	100 Cft	0.3	40827.38	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
78	(i)	Ratio 1:4:8	100 Cft	14.06	35592.28	
79	06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).				
80		a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects. including all lead and lift.				
81		(2) Type B (nominal mix 1:1½: 3)	Per Cft	11091.33	853.53	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
82		(3) Type C (nominal mix 1: 2: 4)	Per Cft	54	778.78	
83		(b) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects: including all lead and lift. (Water Tank Walls)				
84		(2) Type B (nominal mix 1:1½: 3)				
85		(i) Upto 9" thick (Avg)	Per Cft	230	823.28	
86		(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-including all lead and lift.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra W
87		(2) Type B (nominal mix 1: 1½: 3)	Per Cft	1527	700.58	
88	06-12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).				
89		(b) Deformed bars				
90		ii) Grade-60	100kg	549	28479.6	
91	06-32	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.				
92		ii) 10 mm thick	Rft	60	816	
93	**BRICK WORK**					
94	07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	119.08	42181.95	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
95	07-06-i	Pacca brick work in 1:4 C/S mortar.'Add extra labour on item No. 5 for brickwork in (i) first floor:-	100 Cft	20.77	1793.45	
96	**ROOFING**					
97	09-15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	4	1228.55	
98	09-35 (iii)	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- iii) Thermopore sheet 1" (25 mm) thick	100 Sft	24.04	19751.6	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
99	09-46	Providing and applying torch-on plain water proofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge a) Plain				
100		i) 3 mm thick	Per Sft	2404	125.15	
101	09-48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent),hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc:complete in all respects as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
102		iv) 12 mm thick	Per Sft	1809	182.25	
103	09-50	Providing and fixing Drywall Partition (4" thick) which consist of Gypsum Board sheet screwed to G.I Track U Channel (72mm x 32mmx 32mm x 0.50mm thick) fixed at top & bottom and G.I Studs (C-Channel) size (70mm x 34mm x 36mm x 0.50mm thick) equal vertical interval @ 2' C/C fit within the channel sections to form the frame work, including 12mm gypsum board (confirming to ASTM 1396) on both sides with infill insulation material (rockwool) i/c of jointing compound, self adhesive fiberglass tape for covering the joints between the drywall panels, corner angle bead, Smart Screws (3.5mm x 25mm), flex metal corner tape, for smooth and homogeneous look, grinding the exposed compound with abrasive paper, complete in all respects, as per specification and as approved by the Engineer incharge	Per Sft	138	464.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
104	**FLOORING**					
105	06-02	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100Cft	9.56	14076.5	
106	10-14	Cement concrete tiles laid in 1:2 cement mortar, over ¾" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	6.48	21668.65	
107	10-35	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 1/2"(13 mm) thick	100 Sft	4.5	20075.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
108	10-46-a	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (iv) 600mmx 1200 mm (24"x48")	Per Sft	4500	501.05	
109	10-36	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
110		a) Full body Glazed tiles				
111		(iv) 600mmx 1200 mm (24"x48")	Per Sft	1946	501.2	
112	10-47	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. ii) 3/4" thick (12"x24"/12"x36")	Per Sft	69	538	
113	10-48	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	402	2015.75	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Rate
114	10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandum disc as approved and directed by the Engineer Incharge.	Per Rft	205	39.9	
115	10-50	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	2	980.7	
116	10-51	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge.				
117		(i) 3/4" thick	Per Sft	81	1181.2	
118	10-19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.(First floor)	100 Sft	30.08	1218.1	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
119	**SURFACE RENDERING**					
120	11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height: b) ½" (13 mm) thick	100 Sft	72.08	4923.45	
121	11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	24.63	659.45	
122	11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) ¾" (20 mm) thick	100 Sft	42.72	6585.35	
123	11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	24.06	659.45	
124	11-12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height. b) 1:3	100 Sft	4.17	5624.75	
125	11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	3.58	659.45	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
126	**DOORS AND WINDOWS**					
127	12-13	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	77	916.45	
128	12-18	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C. windows, including holdfast, etc				
129		b) Deodar wood	Per Sft	77	1075.45	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
130	12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	2	4569.55	
131	12-30	Providing and fixing approved quality rim lock adjustable over the style surface	Each	4	1680	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
132	25-50	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors 1.6mm, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of specified thickness tempered glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in-charge. ii) 8mm thick Glass	Per Sft.	117	1799.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
133	25-55	providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop or approved equivalent manufacturer having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing one side Tinted and one side clear double glass, and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge. b) 6mm thick Glass	Per Sft.	1752	2764.35	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
134	25-52	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft.	876	538.3	
135	**PAINTING AND VARNISHING**					
136	13-31	Preparing surface and painting emulsion paint :				
137		a) 1st coat	100 Sft	76.25	1760.75	
138		b) 2nd & each subsequent coat.	100 Sft	152.51	1361.75	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
139	13-31	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height, or part thereof, requiring scaffolding	100 Sft	28.21	259.85	
140	13-33, 13-31	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: upto 20' height				
141		i) 1st coat	100 Sft	6.89	5271	
142		ii) 2nd & each subsequent coat.	100 Sft	13.78	3038.4	
143	13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	23.8	2821.7	
144	**IRON WORKS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
145	25-38	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	Per Rft	30	3387.45	
146	**MISCELLANEOUS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
147	26-43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	Sft	6077	12.7	
148	**NON-SCHEDULED ITEM**					
149	NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	1635	110	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
150	NSI-02	Supply and installation of Wood Plastic Composite (WPC) ceiling panels, manufactured from weather-resistant composite material, designed to be durable, moisture-proof, termite-proof, and low maintenance. Installation shall include all necessary fixtures, fasteners, and accessories, and complete in all respects as per drawings and as directed by The Engineer's instructions.	Sft.	2499	1000	
151	NSI-03	Providing and fixing Aluminium 15 mm thick 2' x 2' mineral fiber acoustical tile false ceiling (with surface pattern / design /texture), 4 sides revealed with bevel edges of approved manufacturer with recommended adjustable suspension system and accessories in approved colour exposed surfaces, complete in all respects.	Sft.	162	1020	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
152	NSI-04	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Each	3	50000	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
153	NSI-05	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	3339	440	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
154	NSI-06	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects.	Sft	3339	2500	
155	**GYM**					
156	**CIVIL WORKS**					
157	**EARTH WORK (EXCAVATION & EMBANKMENT)**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
158	03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	26.18	12266.7	
159	03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	18.37	8155.5	
160	ii)	ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	3.62	17545.5	
161	**CONCRETE**					
162	06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.				
163	(h)	Ratio 1:3:6	100 Cft	1.18	40827.38	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
164	(i)	Ratio 1:4:8	100 Cft	25.52	35592.28	
165	06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).				
166		a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects. including all lead and lift.				
167		(2) Type B (nominal mix 1:1½: 3)	Per Cft	10116	853.53	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
168		(3) Type C (nominal mix 1: 2: 4)	Per Cft	13	778.78	
169		(b) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects:including all lead and lift.				
170		(2) Type B (nominal mix 1:1-1/2:3)				
171		(i) Upto 9" thick (Avg)	Per Cft	1971	823.28	
172		(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- including all lead and lift.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra W
173		(2) Type B (nominal mix 1: 1½: 3)	Per Cft	5617	700.58	
174		Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).				
175		(b) Deformed bars				
176		ii) Grade-60	100kg	682.7	28479.6	
177		Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.				
178		ii) 10 mm thick	Rft	122	816	
179	**BRICK WORK**					
180	07-4(i)	Pacca brick work in 1:4 C/S mortar in foundation and upto plinth top:-	100Cft	0.54	41153.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
181	07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	57.13	42181.95	
182	07-06-i	Pacca brick work in 1:4 C/S mortar.'Add extra labour on item No. 5 for brickwork in (i) first floor:-	100 Cft	19.13	1793.45	
183	**ROOFING**					
184	09-15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	4	1228.55	
185	09-35 (iii)	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- iii) Thermopore sheet 1" (25 mm) thick	100 Sft	46.84	19751.6	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
186	09-46	Providing and applying torch-on plain water proofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge a) Plain				
187		i) 3 mm thick	Per Sft	7410	125.15	
188	**FLOORING**					
189	06-02	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100Cft	12.52	14076.5	
190	10-14	Cement concrete tiles laid in 1:2 cement mortar, over 3/4" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	8.7	21668.65	
191	10-16	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels (i) 3"(75 mm) thick	100 Sft	3.9	16609.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
192	10-35	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 1/2"(13 mm) thick	100 Sft	2	20075.65	
193	10-39	Providing and laying 1" thick terrazo tile for specified colour & size full body, best quality with minimum 5000 PSI in approved design with adhesive bond over 3/4" thick 1:3 cement plaster i/c the cost of sealer for finishing the joints i/c cutting, grinding, rubbing, filling Complete in all respect as approved and directed by the Engineer incharge. (Without Polishing) b) Size 24"x24"x1" ii) Coloured	Sft	1414	405.05	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
194	10-46-a	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (iv) 600mmx 1200 mm (24"x48")	Per Sft	3510	501.05	
195	10-36	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
196		a) Full body Glazed tiles				
197		(iv) 600mmx 1200 mm (24"x48")	Per Sft	4341	501.2	
198	10-48	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Risers/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	355	2015.75	
199	10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandum disc as approved and directed by the Engineer Incharge.	Per Rft	181	39.9	
200	10-50	Extra cost for making hole in Marble slab for fixtures, Sink,burners,basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	5	980.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Rate
201	10-51	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge.				
202		(i) 3/4" thick	Per Sft	84	1181.2	
203	10-19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.(First floor)	100 Sft	0.91	1218.1	
204	**SURFACE RENDERING**					
205	11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height: b) 1/2" (13 mm) thick	100 Sft	79.48	4923.45	
206	11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	36.29	659.45	
207	11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) 3/4" (20 mm) thick	100 Sft	54.84	6585.35	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
208	11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	26.88	659.45	
209	11-12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height. b) 1:3	100 Sft	6.06	5624.75	
210	**PAINTING AND VARNISHING**					
211	13-31	Preparing surface and painting emulsion paint :				
212		a) 1st coat	100 Sft	30.66	1760.75	
213		b) 2nd & each subsequent coat.	100 Sft	61.32	1361.75	
214	13-33, 13-31	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: upto 20' heigh				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
215		i) 1st coat	100 Sft	9.3	5271	
216		ii) 2nd & each subsequent coat.	100 Sft	18.6	3038.4	
217	**DOORS AND WINDOWS**					
218	12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	8	4569.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
219	25-50	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors 1.6mm, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of specified thickness tempered glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in-charge. ii) 8mm thick Glass	Per Sft.	73	1799.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
220	25-55	providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop or approved equivalent manufacturer having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing one side Tinted and one side clear double glass, and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge. b) 6mm thick Glass	Per Sft.	1001	2764.35	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
221	25-61	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge (i) Single Leaf	Sft	74	1083.75	
222	12-05	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge b) Ash wood Door (i) 2" thick (50 mm)	Sft	157	3753.45	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
223	12-13	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	140	916.45	
224	12-18	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C. windows, including holdfast, etc				
225		b) Deodar wood	Per Sft	297	1075.45	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
226	25-52	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft.	501	538.3	
227	**PAINTING AND VARNISHING**					
228	13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	51.22	2821.7	
229	**IRON WORKS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
230	25-38	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	Per Rft	76	3387.45	
231	**MISCELLANEOUS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
232	26-43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	Sft	11053	12.7	
233	**NON-SCHEDULED ITEM**					
234	**MISCELLANIES WORKS**					
235	NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	2494	110	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
236	NSI-02	Supply and installation of Wood Plastic Composite (WPC) ceiling panels, manufactured from weather-resistant composite material, designed to be durable, moisture-proof, termite-proof, and low maintenance. Installation shall include all necessary fixtures, fasteners, and accessories, and complete in all respects as per drawings and as directed by The Engineer's instructions.	Sft.	830	1000	
237	NSI-03	Providing and fixing Aluminium 15 mm thick 2' x 2' mineral fiber acoustical tile false ceiling (with surface pattern / design /texture), 4 sides revealed with bevel edges of approved manufacturer with recommended adjustable suspension system and accessories in approved colour exposed surfaces, complete in all respects.	Sft.	8032	1020	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
238	NSI-04	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Each	3	50000	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
239	NSI-05	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	4086	440	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
240	NSI-6	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects, and directions of the Engineer-in-Charge,	Sft	4086	2500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
241	NSI-7	Supply and installation of MR (Moisture Resistant) grade board lockers, complete with internal shelves as per requirement, finished with approved laminate finish, including premium quality hinges and hardware, such as handles, locks, screws, and fittings. and directions of The Engineer.	Sft	264	6875	
242	NSI-8	Supply and installation of high-density gym rubber flooring, made from durable shock-absorbing rubber, slip-resistant, impact-resistant, and noise-reducing. Suitable for heavy gym equipment and high-traffic fitness areas. Installed complete with proper leveling and finishing.. and directions of The Engineer.	Sft	4582	4200	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
243	NSI-9	Three coats of Matt Enamel Paint of approved colour, including surface preparation by provision of a film with Alkali resisting primer to form smooth base for paint, including sand papering etc. , filling where required, etc. complete.	Sft	3483	85	
244	**PEDAL COURT**					
245	**CIVIL WORKS**					
246	**EARTH WORK (EXCAVATION & EMBANKMENT)**					
247	03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	0.06	12266.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
248	03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	0.05	8155.5	
249	**CONCRETE**					
250	06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.				
251	(f)	Ratio 1:2:4	100 Cft	7.68	47998.78	
252	(h)	Ratio 1:3:6	100 Cft	0.08	40827.38	
253	**FLOORING**					
254	10-16	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels (i) 3"(75 mm) thick	100 Sft	21.4	16609.8	
255	**NON-SCHEDULED ITEM**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
256	NSI-01	Providing, supplying and fixing of MS STEEL Square Tube for Corner Columns 5 inch, (Triangular Shape) 10gauge Thick. Supply of MS STEEL Square Tube for Cross 4 inch x 4 inch x12 gauge Thick for Top Sections same as bottom section. Supply of MS STEEL Rectangular Tube for Mesh Frame 3 inch x 1.5 inch x 12 gauge Thick. Supply and Fixing of 2 inch x 2 inch x 8 gauge Wire Mesh Black Paint. Supply of Floodlight Column MS STEEL Square Tube 10 ft Long 3 inch x 1.5 inch 14 gauge Thick. Supply & fixing with complete accessories with 10 mm thick metal plates and fixtures. (Botts, Elastic Washers, Rubber Mats) etc.complete in all respects.	Sft.	2178	1186	
257	NSI-02	Providing, supplying and fixing Ghani Glass 12 mm thick Tempered glass with complete accessories etc.complete in all respects.	Sft.	1261	1814	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
258	NSI-03	Providing, supplying and fixing Bellin Turf Vietnam / CC Gras Color Blue, Green, Terracotta Thickness 12 mm Backing: PU backing Material: PE Monofilament + PP texturized Yarn (Curly) Dtex: 9600 Also Include Installation of Silica Sand (2 tons) Waterproof Turf Cover complete in all respects.	Sft.	2178	1084	
259	NSI-04	Providing, Supplying and fixing Paddle Net Length: 9830 mm, Height 920mm Material: PP, Thickness: 3mm Mesh: 43mm x 43mm Net Column 4 in x 4 in 12 gauge pole With pully and tightner Height: 920 mm Column Size: 80 mm x 80 mm x 3 mm Leather Poshish with branding (Complete Set) complete in all respects.	Set.	1	221250	
260	NSI-05	Providing, Supplying and fixing Digital Scoring Board	No	1	73750	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
261	NSI-06	Providing and Supplying Rackets and Balls 2x Padel Rackets 12k 2x Containers and Padel balls Racket hanger complete in all respects.	No	1	147500	
262	**BADMINTON**					
263	**CIVIL WORKS**					
264	**EARTH WORK (EXCAVATION & EMBANKMENT)**					
265	03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	3.66	12266.7	
266	03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	2.01	8155.5	
267	ii)	ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	1.95	17545.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
268	**CONCRETE**					
269	06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.				
270	(h)	Ratio 1:3:6	100 Cft	0.26	40827.38	
271	(i)	Ratio 1:4:8	100 Cft	12.34	35592.28	
272	06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
273		a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects.including all lead and lift.				
274		(2) Type B (nominal mix 1:1½: 3)	Per Cft	3358	853.53	
275		(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-including all lead and lift.				
276		(2) Type B (nominal mix 1: 1½: 3)	Per Cft	1152	700.58	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
277	06-12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).				
278		(b) Deformed bars				
279		ii) Grade-60	100kg	148	28479.6	
280	**BRICK WORK**					
281	07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	11.79	42181.95	
282	**FLOORING**					
283	06-02	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100Cft	7.72	14076.5	
284	10-14	Cement concrete tiles laid in 1:2 cement mortar, over 3/4" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	5.76	21668.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
285	10-48	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	114	2015.75	
286	10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandum disc as approved and directed by the Engineer Incharge.	Per Rft	42	39.9	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
287	10-48	Providing, laying and jointing Premium Quality Imported HDF Laminated Wooden Flooring (sustainable certification compliance)of approved color, shade, size and surface finish having properties of water resistance, UV resistance, stain resistance, scratch resistance, abrasion resistance complying EN 438, including the cost of edging & underlayment (min 2 mm polyethylene / EVA), etc., complete in all respect as per approved specifications and as approved by the Engineer incharge. ii 12mm thick (AC5 - cycle>6000)	Per Sft	1665	909.7	
288	**SURFACE RENDERING**					
289	11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height: b) ½" (13 mm) thick	100 Sft	18.98	4923.45	
290	11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) ¾" (20 mm) thick	100 Sft	19.54	6585.35	
291	**DOORS AND WINDOWS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
292	12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	1	4569.55	
293	**PAINTING AND VARNISHING**					
294	13-5d	Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:-				
295		i). Priming coat	100 Sft	18.59	1274.1	
296		ii). each subsequent coat of paint (2 coats)	100 Sft	37.18	850.6	

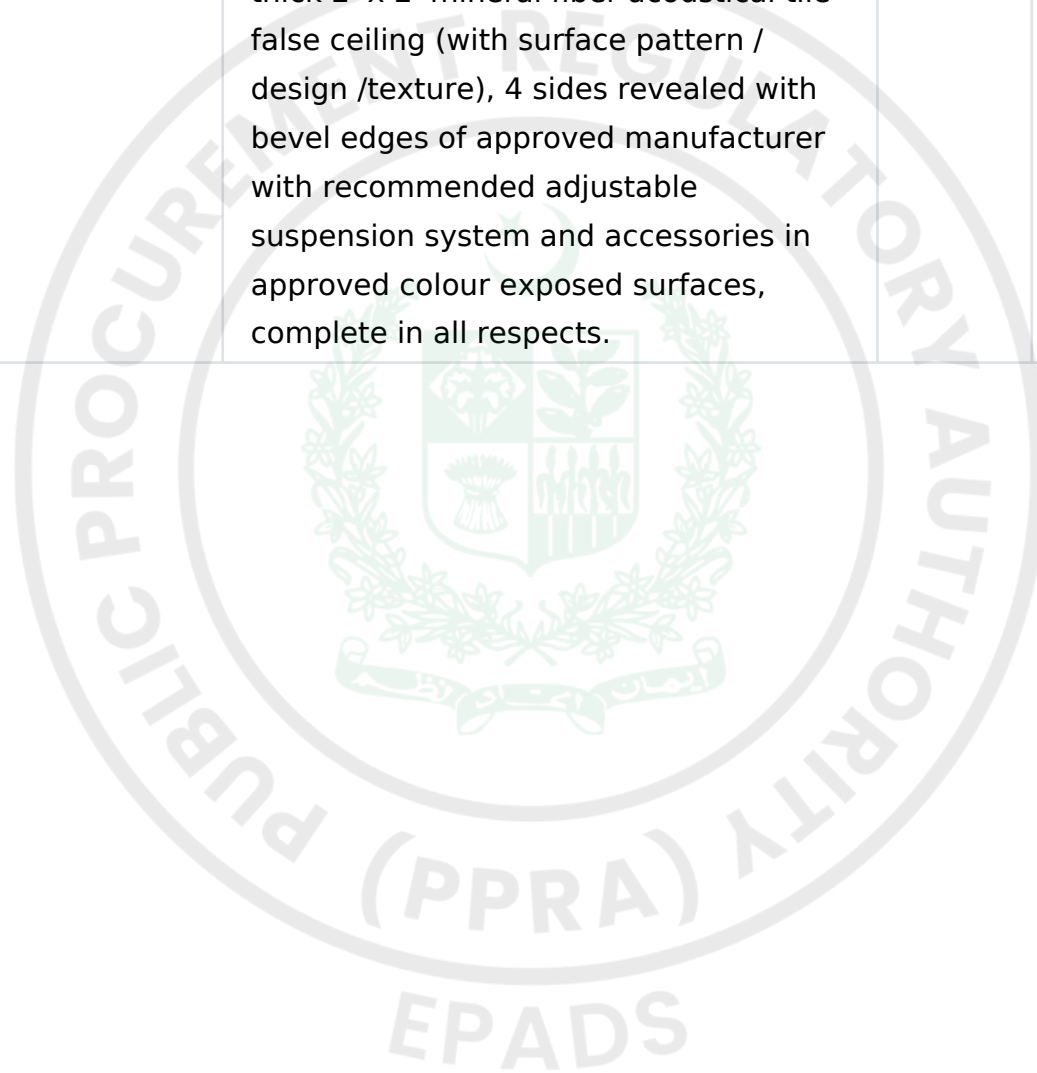
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
297	13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	16.5	2821.7	
298	**IRON WORKS**					
299	25-10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position	100 Kg	56.24	35334.3	
300	25-11	Erection and fitting in position iron trusses, staging of water tanks, etc.	100 Kg	56.24	2042.95	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
301	25-38	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	Per Rft	15	3387.45	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
302	25-69	Providing and fixing 12 mm Tempered Glass Door frameless comprising of aluminium H-section (D48) at bottom, H-type S.S framless handles both side (approved), top pivot hinges, bottom concealed floor machine hinges, s.s patch fitting, D glass door lock (approved) and all the cost of using approved standard fittings, accessories etc., and hardware any required, as shown on drawings, complete in all respect as per Specifications,as approved by the Engineer.	Per Sft	40	2184.75	
303	**MISCELLANEOUS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
304	26-43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	Sft	5919	12.7	
305	**NON SCHEDULE ITEMS**					
306	**IRON WORKS**					
307	NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	385	110	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
308	NSI-02	Providing and fixing Aluminium 15 mm thick 2' x 2' mineral fiber acoustical tile false ceiling (with surface pattern / design /texture), 4 sides revealed with bevel edges of approved manufacturer with recommended adjustable suspension system and accessories in approved colour exposed surfaces, complete in all respects.	Sft.	1665	1020	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
309	NSI-03	Supplying and installation of sandwich roofing panels of 2" (50 mm) overall thickness, comprising outer sheet of 24 SWG pre-painted galvanized steel (PPGI) and inner sheet of 26 SWG PPGI, factory-bonded with rigid insulation core of PUF/PIR/EPS of density $40 \pm 2 \text{ kg/m}^3$, modular width approx. 1000 mm, lengths as per site requirement, with tongue-and-groove/cam-lock jointing system, complete with ridge, flashing, fasteners, sealants, and trims, ensuring thermal conductivity $\leq 0.024 \text{ W/make}$, sound insulation $\geq 25 \text{ dB}$, and fire resistance Class B or equivalent, including all cutting, fixing finishing and complete in all respects as per drawings and as directed by The Engineer's instructions.	Sft.	1859	1560	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
310	NSI-04	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Sft.	1	50000	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
311	NSI-05	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	977	440	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
312	NSI-06	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects.	Sft	977	2500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
313	NSI-07	Structural/glazing system with 2 mm thick and 100mm wide powder coated (in approved colour) base frame system as per the recommendations of the specialized facade designer and agreed by the approved manufacturer and stainless steel fittings using insulated glazing unit (IGU) system comprising of 6mm thick imported Low-E glass of approved color/shade having Low-E coating on surface no. 2 (inside the outer glass) and 6mm thick clear tempered glass (inner glass), with 12 mm wide aluminum spacers Low-E glass shall have a maximum of 3.7 U-factor with 0.45 solar heat gain coefficient. The glass to be used shall be from Pilkington/Guardian or an approved equivalent manufacturer. Doors in the curtain wall shall be of 12 mm thick Low-E tempered glass of approved color/shade, having handles 1500 mm long with 38mm dia & 2 mm wall thickness pipes of SS-316 brushed finish. All joints between the panels shall be sealed with minimum clear silicon sealant from Dow Corning of an approved equivalent. The Contractor shall submit shop drawings for the	Sft	841	3800	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
314	**BOX CRICKET /FUTSAL GROUND**					
315	**CIVIL WORKS**					
316	**EARTH WORK (EXCAVATION & EMBANKMENT)**					
317	03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	0.1	12266.7	
318	03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	0.06	8155.5	
319	**CONCRETE**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
320	06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.				
321	(f)	Ratio 1:2:4	100 Cft	15.08	47998.78	
322	(h)	Ratio 1:3:6	100 Cft	0.12	40827.38	
323	**FLOORING**					
324	10-16	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels (i) 3"(75 mm) thick	100 Sft	42.64	16609.8	
325	**NON SCHEDULE ITEMS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
326	NSI-01	Providing, supplying and fixing 3 inch round poles galvanized for vertical columns 12 gauge 22 ft height 2 inch round poles galvanized for horizontal connections 2 lines on after 10 ft height Ground fixing with J-bolt system 3 ft deep and 10 mm thick iron base plates Top net tension iron cable 9 mm etc.complete in all respects.	Sft.	4264	676	
327	NSI-02	Providing, supplying and fixing Iron Mesh / Net Coverage Iron mesh with 2 inch holes on all four sides diamond shape Height 20 ft 10 guage UV coated fiber net on top Solid CNC designed gate etc.complete in all respects.	Sft.	14500	87	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
328	NSI-03	Providing, supplying and fixing Imported turf for cricket pitch Color: Blue, Green, Terracotta Pile height 12 mm PU backing PE Monofilament + PP texturized Yarn (Curly) Turf for Ground Multiparous Grass for futsal and cricket Color: Lite and Dark Green Pile height 30 mm 20 stiches UV coated complete in all respects.	Sft.	4264	606	
329	NSI-04	Providing and Supplying Play Equipment 2 x Bats Set of Wickets 2 x Balls	No	1	36875	
330	**INTERNAL ROADS**					
331	**CIVIL WORKS**					
332	03-25/P-26	Compaction of earthwork with power road roller, includingploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete				
333		i) 95% to 100% maximum modified AASHTO dry density.	P.CUM	385.448646336	60.05	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
334	06-05/P-35	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.				
335		(f) Ratio 1: 2: 4	P.CUM	192.724323168	16945.35	
336	18-3 /P-106	a) Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and. aggregate. i/c lead ii) Crushed stone aggregate.	P.CUM	254.39610658176	3669.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
337	10-44/p-65	Providing and laying Polygon Pavers, having 7000 PSI crushing strength of approved manufacturer, 60mm thick, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope,in pattern as approved by Engineer Incharge. Complete in all respect. (Grey & Combination of any Colour)	Per Meter	1264.9140148699	1873	
338	**PLUMBING WORKS**					
339	**BILLIARD ROOM**					
340	**SANITARY FIXTURES AND FITTINGS**					
341	19 / 3	Providing and fitting imported floor mounted European coupled set of Water Closet (WC) and flushing Cistern of PORTA/ Marachi brand (full size) manufacturer i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
342	B	One Piece				
343	iii.	PORTA HD 102N Toilet Cito with Hydraulic Seat Cover	Each	2	59851.1	
344	19 / 7	Providing and fitting glazed earthen ware wash hand basin/vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
345	(i)	white with pedestal	Each	2	12051.55	
346	19 / 16	Providing and fixing, chromium plated soap dish.	Each	2	981.6	
347	19 / 9 / ii page 119	Supply and fixing of Soap Dispensor including all other cost of required fittings & required accessories complete in all respect as approved & directed by the Engineer incharge.: Stainless steel	Each	2	4229.4	
348	19 / 18	Providing and fixing, chromium plated toilet paper holder.	Each	2	1271.45	
349	19 / 19 / i	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (3/4") dia	Each	2	1337.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
350	19 / 20	Providing and fixing looking glass 55x40 cm (22"x16") size and minimum 5 mm thick, first quality.	Each	2	1546.2	
351	19/21	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass:- i) with chromium plated brackets and railing.	Each	2	1701.7	
352	19 / 27/ ii	Providing and fixing chromium plated bib cock 1.5cm (1/2")	Each	2	1588	
353	19 / 28	Providing and fixing chromium plated Tee stop cock 15mm (1/2")	Each	10	2068	
354	19 / 52	Providing and fixing CP bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge				
355	ii	Lever Type Basin Mixer	Each	2	6707	
356	iii	Double Bib Cock	Each	2	1907	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
357	v	Muslim shower	Each	2	2387	
358	vil	Bottle Trap	Each	2	1487	
359	19 / 7 / ii page 118	Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc, (copper connection)	Each	10	712.8	
360	19 / 55 page 117	Providing/fixing Gas water heater (Geyser) of specified capacity, comprising of water tank made of 14 SWG steel sheet and cover with 20 SWG MS sheet, best quality make of Corona/Ambassador / Super Asia/Canon or approved equivalent manufacturer i/c the cost of non return valve,imported thermostate,G.I. accessories, safety valve and making connection with existing water supply pipe line complete in all respects as approved and directed by the Engineer Incharge				
361	(i)	06 Gallons	Each	2	19730.05	
362	**WATER SUPPLY PIPES AND FITTINGS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
363	23 / 33 / b	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077 - 8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal / External Diameters mentioned). PN20				
364	ii	25mm dia	Rft	100	99.7	
365	iii	32mm dia	Rft	50	158.25	
366	iv	40mm dia	Rft	20	241.75	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
367	23 / 42	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.				
368	a-ii	3/4" dia Brass Threaded Valves	Each	1	3510	
369	a-iii	1" dia Brass Threaded Valves	Each	1	5025.6	
370	23 / 45	Supply & installation of heavy duty Brass PN-16 air Vents of specified size provided at the highest points (Pipe Risers) to expel air as approved and directed by the Engineer Incharge, Automatic				
371	a-ii	3/4 inches	Each	1	1896	
372	**SOIL, WASTE AND VENT PIPES & FITTINGS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
373	19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ Zjoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.				
374	iii	50mm	Rft	20	103.95	
375	iv	82mm	Rft	50	160.6	
376	v	110mm	Rft	30	254.3	
377	vi	160mm	Rft	10	493.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
378	19 / 49	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi / waste pipe Fittings make of Dadex / Popular / Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.				
379	b-i	Multi-Trap 4"	Each	2	1436.1	
380	c-ii	Vent Cowel 3"	Each	2	386.1	
381	19 / 12 page 119	Providing and Fixing of SS 304 Floor Drain, complete in all respect as approved and directed by Engineer Incharge.				
382	(i)	4" Diameter	Each	2	1254.95	
383	21 / 5	Constructing gully grating chamber, 12"x12", (300x300 mm) complete in all respects:				
384	a)	with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) frame hinged safety type.	Each	2	17212.95	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
385	**STORM DRAINAGE PIPES & FITTINGS**					
386	19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ Zjoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.				
387	v	110mm	Rft	30	254.3	
388	19 / 13 page 119	Providing and Fixing of SS 304 Roof / scupper Drain, complete in all respect as approved and directed by Engineer Incharge.				
389	(i)	4" Diameter	Each	2	1284.8	
390	**NON-SCHEDULED ITEMS**					
391		**GENERAL NOTE **				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
392		Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per drawings, specifications and as approved by the Engineer.				
393	NS-01	CP Small hook of any size and shape, of approved make, complete with plugs and screws etc., fixed to concrete, brick stone or wood work, complete in all respects.	Each	2	2170	
394	**PLUMBING WORKS**					
395	**CAFÉ / CIGAR ROOM**					
396	**SANITARY FIXTURES AND FITTINGS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra W
397	19 / 3	Providing and fitting imported floor mounted European coupled set of Water Closet (WC) and flushing Cistern of PORTA/ Marachi brand (full size) manufacturer i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.				
398	B	One Piece				
399	iii.	PORTA HD 102N Toilet Cito with Hydraulic Seat Cover	Each	2	59851.1	
400	19 / 7	Providing and fitting glazed earthen ware wash hand basin/vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
401	(i)	white with pedestal	Each	2	12051.55	
402	19 / 8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	Each	2	15806.95	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
403	19 / 30	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	Each	2	3950	
404	19 / 16	Providing and fixing, chromium plated soap dish.	Each	2	981.6	
405	19 / 9 / ii page 119	Supply and fixing of Soap Dispensor including all other cost of required fittings & required accessories complete in all respect as approved & directed by the Engineer incharge.: Stainless steel	Each	2	4229.4	
406	19 / 18	Providing and fixing, chromium plated toilet paper holder.	Each	2	1271.45	
407	19 / 19 / i	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (¾") dia	Each	2	1337.2	
408	19 / 20	Providing and fixing looking glass 55x40 cm (22"x16") size and minimum 5 mm thick, first quality.	Each	2	1546.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
409	19/21	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass:- i) with chromium plated brackets and railing.	Each	2	1701.7	
410	19 / 27/ ii	Providing and fixing chromium plated bib cock 1.5cm (1/2")	Each	2	1588	
411	19 / 28	Providing and fixing chromium plated Tee stop cock 15mm (1/2")	Each	8	2068	
412	19 / 52	Providing and fixing CP bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge				
413	ii	Lever Type Basin Mixer	Each	2	6707	
414	iii	Double Bib Cock	Each	2	1907	
415	v	Muslim shower	Each	2	2387	
416	vil	Bottle Trap	Each	2	1487	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
417	19 / 7 / ii page 118	Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc, (copper connection)	Each	8	712.8	
418	19 / 56 page 117	Supply & Installation of Duel (Electric and Gas Water Heaters) with factory-installed pressure relief valve, adjustable water temperature control thermostate, Copper connections for specific capacity having leaving waterr temperature 140 deg F & working pressure 15 PSI, Ambassador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and directed by Engineer Incharge.				
419	ii	55 Gallons	Each	1	83161.5	
420	**WATER SUPPLY PIPES AND FITTINGS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
421	23 / 33 / b	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077 - 8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal / External Diameters mentioned). PN20				
422	ii	25mm dia	Rft	200	99.7	
423	iii	32mm dia	Rft	50	158.25	
424	iv	40mm dia	Rft	30	241.75	
425	v	50mm dia	Rft	10	347.1	
426	vi	63mm dia	Rft	50	541.3	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
427	23 / 42	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.				
428	a-ii	3/4" dia Brass Threaded Valves	Each	6	3510	
429	a-iii	1" dia Brass Threaded Valves	Each	4	5025.6	
430	a-iv	1-1/4" dia Brass Threaded Valves	Each	1	7039.2	
431	a-v	1-1/2" dia Brass Threaded Valves	Each	4	9930	
432	a-vi	2" dia Brass Threaded Valves	Each	1	14500.8	
433	23 / 45	Supply & installation of heavy duty Brass PN-16 air Vents of specified size provided at the highest points (Pipe Risers) to expel air as approved and directed by the Engineer Incharge, Automatic				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
434	a-ii	3/4 inches	Each	2	1896	
435	19 / 12 page 118	Providing and fixing brass ball float valve:				
436	v	4.0 cm (1½") dia	Each	1	1934	
437	**SOIL, WASTE AND VENT PIPES & FITTINGS**					
438	19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ Zjoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.				
439	iii	50mm	Rft	50	103.95	
440	iv	82mm	Rft	100	160.6	
441	v	110mm	Rft	80	254.3	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
442	vi	160mm	Rft	10	493.4	
443	19 / 49	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi / waste pipe Fittings make of Dadex / Popular / Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.				
444	b-i	Multi-Trap 4"	Each	4	1436.1	
445	c-ii	Vent Cowel 3"	Each	2	386.1	
446	19 / 12 page 119	Providing and Fixing of SS 304 Floor Drain, complete in all respect as approved and directed by Engineer Incharge.				
447	(i)	4" Diameter	Each	2	1254.95	
448	21 / 5	Constructing gully grating chamber, 12"x12", (300x300 mm) complete in all respects:				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
449	a)	with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) frame hinged safety type.	Each	3	17212.95	
450	**STORM DRAINAGE PIPES & FITTINGS**					
451	19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ Zjoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.				
452	v	110mm	Rft	65	254.3	
453	19 / 13 page 119	Providing and Fixing of SS 304 Roof / scupper Drain, complete in all respect as approved and directed by Engineer Incharge.				
454	(i)	4" Diameter	Each	3	1284.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
455	**MISCELLANEOUS**					
456	19 / 40	Supply and fitting of cast iron manhole cover square with frame, etc. complete				
457	iii)	60cm x 60cm(24"x24")	Each	2	6089.85	
458	**NON-SCHEDULED ITEMS**					
459		**GENERAL NOTE **				
460		Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per drawings, specifications and as approved by the Engineer.				
461	**SANITARY FIXTURES AND FITTINGS**					
462	NS-01	CP Small hook of any size and shape, of approved make, complete with plugs and screws etc., fixed to concrete, brick stone or wood work, complete in all respects.	Each	2	2170	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
463	NS-02	Electric water coolers of 40Gallons capacity, minimum two taps, including Tee stop cock on inlet, and all other accessories for complete installation.	Each.	1	121000	
464	NS-03	Triple water filter (10") including inlet and outlet connections, power supply, and all accessories for complete installation	Each.	1	32450	
465	**WATER SUPPLY PIPES AND FITTINGS**					
466		G.I. water pipes conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, clamps, hangers & supports, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects.				
467	NS-04	3/4 inch	Rft	20	515	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
468	NS-05	1 inch	Rft	10	755	
469	NS-06	1-1/4 inches	Rft	10	825	
470	NS-07	1-1/2 inches	Rft	100	950	
471	NS-08	2 inches	Rft	10	1270	
472	**MISCELLANEOUS**					
473	NS-09	3/4" diameter Galvanised MS ladder rungs for water tanks; each rung of 18" width, 6" projected outside the wall and 6" embedded in RCC on both ends; including all necessary works for complete installation.	Each	10	1490	
474	NS-10	Dia 2" u-turned G.I. vent pipes, puddle plate, with insect proof mesh at open end etc., complete in all respects.	Job	1	7545	
475	**PLUMBING WORKS**					
476	**SWIMMING POOL**					
477	**SANITARY FIXTURES AND FITTINGS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
478	19 / 3	Providing and fitting imported floor mounted European coupled set of Water Closet (WC) and flushing Cistern of PORTA/ Marachi brand (full size) manufacturer i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.				
479	B	One Piece				
480	iii.	PORTA HD 102N Toilet Cito with Hydraulic Seat Cover	Each	1	59851.1	
481	19 / 5	Providing and fitting white glazed earthen ware water closet, squatter type, with separate foot rest.	Each	1	8761.75	
482	19 / 13 / i	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete , white	Each	1	5803.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
483	19/49	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of Dadex /Popular/Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.				
484	a)	P-Trap				
485		(i) 4" dia	Each	1	960.2	
486	19 / 4 / ii page 118	Providing and fixing, flushing bend of PVC , 4cm (1-1/2")	Each	1	394.65	
487	19 / 7	Providing and fitting glazed earthen ware wash hand basin/vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.				
488	(v)	Under Counter Vanity Basin	Each	5	13047.55	
489	19 / 16	Providing and fixing, chromium plated soap dish.	Each	5	981.6	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
490	19 / 9 / ii page 119	Supply and fixing of Soap Dispensor including all other cost of required fittings & required accessories complete in all respect as approved & directed by the Engineer incharge.: Stainless steel	Each	2	4229.4	
491	19 / 18	Providing and fixing, chromium plated toilet paper holder.	Each	1	1271.45	
492	19 / 19 / i	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (¾") dia	Each	2	1337.2	
493	19 / 20	Providing and fixing looking glass 55x40 cm (22"x16") size and minimum 5 mm thick, first quality.	Each	5	1546.2	
494	19 / 27/ ii	Providing and fixing chromium plated bib cock 1.5cm (1/2")	Each	2	1588	
495	19 / 28	Providing and fixing chromium plated Tee stop cock 15mm (1/2")	Each	12	2068	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
496	19 / 52	Providing and fixing CP bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge				
497	ii	Lever Type Basin Mixer	Each	5	6707	
498	iii	Double Bib Cock	Each	2	1907	
499	iv	Open Type Wall Shower	Each	2	18707	
500	v	Muslim shower	Each	2	2387	
501	vil	Bottle Trap	Each	5	1487	
502	19 / 7 / ii page 118	Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc, (copper connection)	Each	12	712.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
503	19 / 56 page 117	Supply & Installation of Duel (Electric and Gas Water Heaters) with factory-installed pressure relief valve, adjustable water temperature control thermostate, Copper connections for specific capacity having leaving waterr temperature 140 deg F & working pressure 15 PSI, Ambassador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and directed by Engineer Incharge.				
504	ii	55 Gallons	Each	1	83161.5	
505	**WATER SUPPLY PIPES AND FITTINGS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
506	23 / 33 / b	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077 - 8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal / External Diameters mentioned). PN20				
507	ii	25mm dia	Rft	100	99.7	
508	iii	32mm dia	Rft	60	158.25	
509	iv	40mm dia	Rft	20	241.75	
510	v	50mm dia	Rft	50	347.1	
511	vi	63mm dia	Rft	10	541.3	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
512	23 / 42	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.				
513	a-ii	3/4" dia Brass Threaded Valves	Each	2	3510	
514	a-iii	1" dia Brass Threaded Valves	Each	2	5025.6	
515	a-iv	1-1/4" dia Brass Threaded Valves	Each	1	7039.2	
516	a-v	1-1/2" dia Brass Threaded Valves	Each	1	9930	
517	a-vi	2" dia Brass Threaded Valves	Each	1	14500.8	
518	23 / 45	Supply & installation of heavy duty Brass PN-16 air Vents of specified size provided at the highest points (Pipe Risers) to expel air as approved and directed by the Engineer Incharge, Automatic				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
519	a-ii	3/4 inches	Each	2	1896	
520	**SOIL, WASTE AND VENT PIPES & FITTINGS**					
521	19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ Zjoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.				
522	iii	50mm	Rft	50	103.95	
523	iv	82mm	Rft	100	160.6	
524	v	110mm	Rft	50	254.3	
525	vi	160mm	Rft	10	493.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
526	19 / 49	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi / waste pipe Fittings make of Dadex / Popular / Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.				
527	b-i	Multi-Trap 4"	Each	2	1436.1	
528	c-ii	Vent Cowel 3"	Each	2	386.1	
529	19 / 12 page 119	Providing and Fixing of SS 304 Floor Drain, complete in all respect as approved and directed by Engineer Incharge.				
530	(i)	4" Diameter	Each	6	1254.95	
531	21 / 5	Constructing gully grating chamber, 12"x12", (300x300 mm) complete in all respects:				
532	a)	with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) frame hinged safety type.	Each	2	17212.95	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
533	**STORM DRAINAGE PIPES & FITTINGS**					
534	19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ Zjoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.				
535	v	110mm	Rft	65	254.3	
536	19 / 13 page 119	Providing and Fixing of SS 304 Roof / scupper Drain, complete in all respect as approved and directed by Engineer Incharge.				
537	(i)	4" Diameter	Each	3	1284.8	
538	**MISCELLANEOUS**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
539	19 / 40	Supply and fitting of cast iron manhole cover square with frame, etc. complete				
540	iii)	60cm x 60cm(24"x24")	Each	1	6089.85	
541	**NON-SCHEDULED ITEMS**					
542	**GENERAL NOTE **					
543	Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per drawings, specifications and as approved by the Engineer.					
544	**SANITARY FIXTURES AND FITTINGS**					
545	NS-01	CP Small hook of any size and shape, of approved make, complete with plugs and screws etc., fixed to concrete, brick stone or wood work, complete in all respects.	Each	10	2170	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
546	NS-02	Electric water coolers of 40Gallons capacity, minimum two taps, including Tee stop cock on inlet, and all other accessories for complete installation.	Each.	1	121000	
547	NS-03	Triple water filter (10") including inlet and outlet connections, power supply, and all accessories for complete installation	Each.	1	32450	
548	**SOIL, WASTE AND VENT PIPES & FITTINGS**					
549		G.I. water pipes conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, clamps, hangers & supports, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects.				
550	NS-04	2 inches	Rft	50	1270	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
551		uPVC floor Cleanout of the following diameter, including screw type Stainless Steel/CP top tile access plug, transition pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects.				
552	NS-06	3 inches	Each	2	7765	
553	NS-07	4 inches	Each	1	8635	
554	**MISCELLANEOUS**					
555	NS-07	3/4" diameter Galvanised MS ladder rungs for water tanks; each rung of 18" width, 6" projected outside the wall and 6" embedded in RCC on both ends; including all necessary works for complete installation.	Each	5	1490	
556	**SWIMMING POOL EQUIPMENT**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
557	NS-09	Swimming pool related all plumbing works including all equipment, pumps, filters, heater, valves, skimmers, piping, fittings, nozzles, drains etc for a tentative pool size as 20'x40'x5' (30,000 gallons) and all other works complete.	Job	1	3600000	
558	**RECEPTION/BILLIARD/TABLE-TENNIS**					
559	**ELECTRICAL WORKS**					
560	**Conduits & Pipes**					
561	46105	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
562	ii	20 mm i/d	Rft.	4000	119.35	
563	iii	25 mm i/d	Rft.	4000	138.95	
564	vi)	50 mm i/d	Rft.	500	238.15	
565	vii)	80 mm i/d	Rft.	250	299.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
566	viii)	100 mm i/d	Rft.	800	377.65	
567	24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge				
568	**a)**	One way Gange Switch (Small)				
569	(i)	01 Gange	Each	3	463.2	
570	(ii)	02 Gange	Each	5	704.4	
571	(iii)	Three pin Light Plug 10/13 Amp	Each	22	754.45	
572	(iv)	Telephone / TV/Datacable socket	Each	10	662.45	
573	(v)	Fan Dimmer	Each	1	740.6	
574	(vi)	Bell push	Each	1	598.2	
575	(vii)	Three Pin Power Plug 15-32 Amp	Each	8	924.55	
576	**b)**	One way Gange Switch (Large)				
577	(i)	04 Gange	Each	4	981.25	
578	(ii)	05 Gange	Each	4	1151.35	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
579	(iii)	06 Gange	Each	4	1405.85	
580	**C)**	Two way Gange Switch Small				
581	(i)	01 Gange One Way/ Two Way	Each	3	499.9	
582	**Wiring**					
583	24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				
584	c)	450/750 volts, PVC insulated:				
585	ii)	1.5 mm sq (3/0.029")	Per Rft.	7000	42.4	
586	iii)	2.5 mm sq (7/0.029")	Per Rft.	3500	62	
587	iv)	4 mm sq (7/0.036")	Per Rft.	3000	81.85	
588	**LT Cables**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
589	24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-				
590	i)	4 mm sq (7/0.036")	Per Rft.	50	74.65	
591	ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45	
592	iii)	10 mm sq (7/0.052")	Per Rft.	250	155.7	
593	iv)	16 mm sq (7/0.064")	Per Rft.	50	234.3	
594	24-11	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
595	c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
596	iv)	4 mm sq (7/0.036")	Per Rft.	250	268.75	
597	v)	6 mm sq (7/0.044")	Per Rft.	20	381.4	
598	vi)	10 mm sq (7/0.052")	Per Rft.	150	605.85	
599	vii)	16 mm sq (7/0.064")	Per Rft.	150	926.05	
600	viii)	25 mm sq (19/0.052")	Per Rft.	20	1426.2	
601	ix)	35 mm sq (19/0.064")	Per Rft.	150	1919.9	
602	**Fans and Exhaust Fans**					
603	24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				

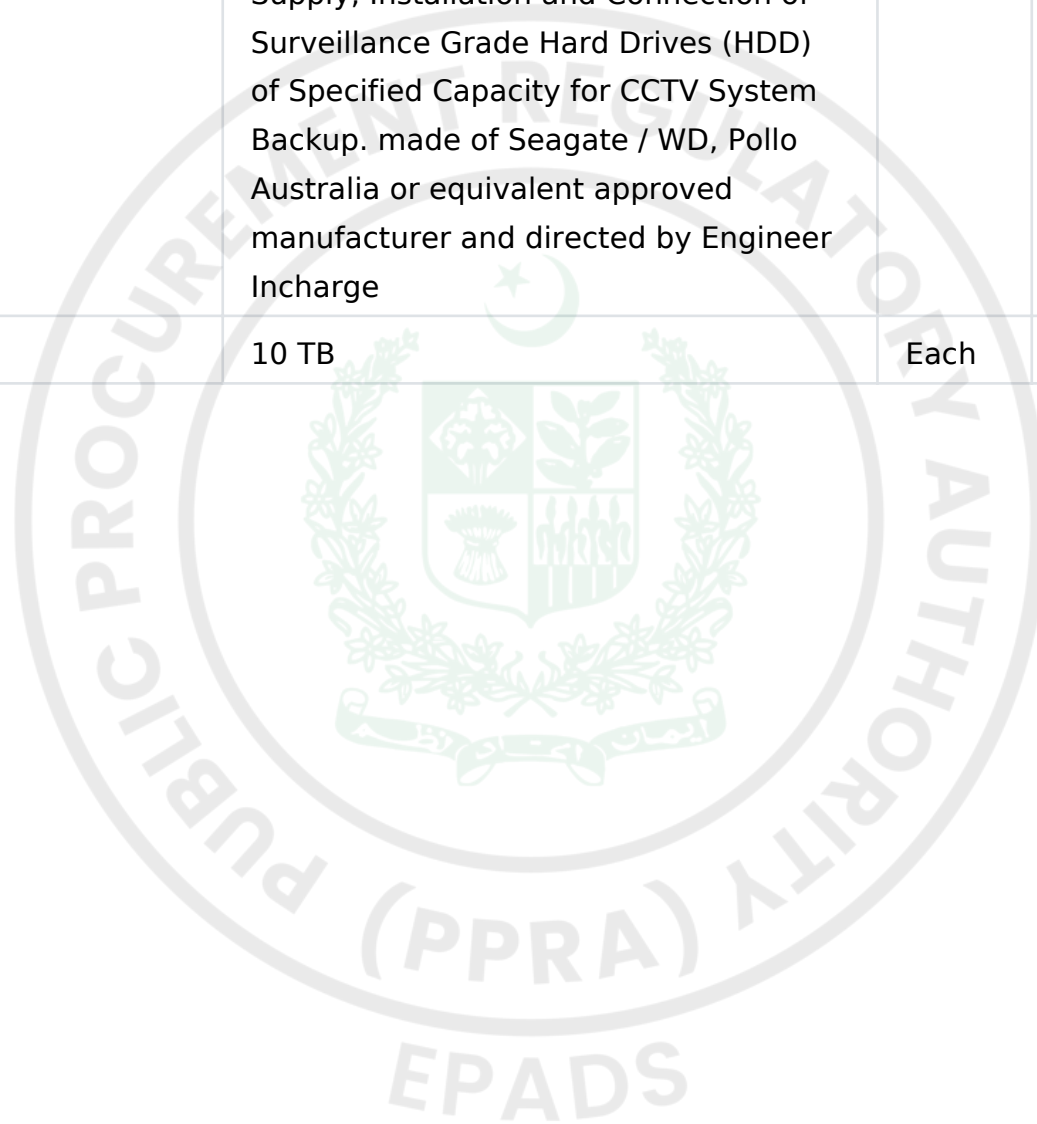
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
604	a)-i	Plastic body - 10" dia	Each	2	5235.5	
605	a)-ii	Plastic body - 12" dia	Each	1	5685.5	
606	**b) **	**Steel body**				
607	i	12" sweep	Each	1	5516.75	
608	ii	18" sweep	Each		6641.75	
609	24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
610	ii)	24" Sweep dia	Each	4	10703	
611	24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
612	(iii)	56" dia	Each	1	10180.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
613	**Lightning Protection System**					
614	24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	2	21210.95	
615	24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System				
616	viii)	70 mm ² CU bare conductor	Per Rft	200	850.45	
617	**CCTV**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
618	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.				
619	a)	UTP (Unshielded Twisted pair)				
620	(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	1200	49.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
621	24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.				
622	ii)	16-Channel	Each	1	116388.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
623	24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge				
624	iii)	10 TB	Each	1	69360	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
625	24-128	Supply, Installation and Connection of L2 Access Switches 24 x Ethernet 10/100/1000 base-T port, min 2 x 1Gigabit SFP ports with 2 x 1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP nooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/ Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364102.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
626	24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge				
627	b	4 Mega Pixel				
628	(i)	Fixed Bullet Type	Each	1	71535	
629	(ii)	Fixed Dome type	Each	5	82785	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
630	24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge				
631	ii	15U size (600x550x770 mm	Each	1	59379.95	
632	24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641053.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
633	**DATA NETWORK & WIFI SYSTEM**					
634	**Data Cabling System**					
635	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.				
636	a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	1500	69.6	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
637	24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.				
638	i)	1 meter Patch Cord	Each	8	1074.4	
639	ii)	3 meter Patch Cord	Each	8	1309.6	
640	24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i-Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	1	4108.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
641	24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, UListed, Loaded with UTP of specified Keystone Jack Toolless Support, Made of Schneider/ Norden/ 3M Corning/ D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.				
642	ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	1	35405	
643	24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.				
644	i)	Single I/O	Each	8	1678.15	
645	ii)	Double I/O	Each		2626.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
646	24-142	Supply, Installation and commissioning of Core Switches with interface : 10 GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP) ,Bandwidth: Tbps or higher with Quad-core processor or higher,MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
647	i)	24 Ports	Each	1	125582.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
648	14324-	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity :90 Mpps, RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei / H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
649		24 Ports	Each	1	91902	
650	24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaidd/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
651	a-(ii)	06 Core	PER RFT	250	596.4	
652	24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge				
653	a)	Multimode (MM) Ports				
654	(ii)	12 Ports	Each	1	64560.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
655	24-160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metallic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.				
656		b) Column Type Speaker				
657	(iv)	60 Watt	Each	4	80081.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
658	24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , complete in all respects made of Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.				
659	vi)	480 Watt	Each	1	468983.65	
660	24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge				
661	i)	Cordless Microphone with Transmitter	Each	1	151462.9	
662	24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116294.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
663	24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				
664	a)-i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5 sqmm (3/.029")	Per Rft	500	128.45	
665	24-85	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge				
666	a)	Single Pole				
667	(iii)	6-63 Amp (10 KA)	Each	40	1459.05	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
668	b)	Double Pole				
669		iii) 6-63 Amp (10 KA)	Each	1	5621.55	
670	24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge				
671	a)	Triple Pole				
672	(iii)	15-100 Amp(18 KA)	Each	12	12172.95	
673	viii)	125-150 Amp(36 KA)	Each	3	26516.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
674	24-90	(Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).				
675	(a)	6" deep				
676	(i)	20~60A	P.CFT	30	2463.7	
677	ii)	75~100A	P.CFT	20	2604.4	
678	(b)	12" deep				
679	(i)	125~150A	P.CFT	20	7011.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
680	24-91	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
681	1	LT Switchboards				
682	a)(i)	2.50 Ft deep 250~600A	P. cft	20	4772.65	
683	24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
684	i)	Selector Switch	Each	1	1228.8	
685	(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	6	2134.3	
686	(iii)	Digital Voltmeter (0-600 Volt)	Each	6	1012.8	
687	(iv)	Digital Ammeter (0-9999 Amp)	Each	6	1228.8	
688	(v)	LED Phase Indicator	Each	9	622.8	
689	(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	6	631.15	
690	vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	6	5373.8	
691	viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	9	1375.8	
692	ix)	Surge Suppressors	Each	6	1060.8	
693	x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	1	2257.8	
694	xi)	Exhaust Fan with Louvers (Make: Imported/Plastim)	Each	3	3832.8	
695	xii)	Temperature Regulator 0~60C	Each	3	2134.3	
696	xiii)	(Power Capacitors	Each			

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
697	a)	12.5 KVAR	Each	1	16852.8	
698	b)	25 KVAR	Each	1	25852.8	
699		Magnetic Contactor				
700	(a)	25 A (AC 3) for 12.5 KVAR	Each	3	10048.8	
701	b)	40 A (AC 3) for 25 KVAR	Each	3	14332.8	
702	(xvii)	Power Factor Controller				
703	a)	6 Steps	Each	1	55252.8	
704	**Non - Schedule Items**					
705	**Light Fixtures**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
706		Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. **Note:** Refer light fixtures drawings/Schedule for complete light fixtures details.				
707	NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, PF=.95 complete in all respects.	No.	2	9500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
708	NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, complete in all respects.	No.	6	2500	
710	NS-03	15-20 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	60	3500	
711	NS-04	7-10 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	5	1950	
712	NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-55 or better rated	No.	8	6500	
713	NS-06	LED EXIT LIGHT 8/10 W	No.	5	9500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
714		Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding, fittings insulation,tape wrapping etc, insulation, refrigerant charge thermostate, control between indoor and outdoor units power wiring, conduiting, dura duct / channel mounting brackets and accessories complete in all respect.				
715	NS-07	Split Air- Conditioner 1.5 ton	Job	4	350000	
716	NS-08	Floor standing type Air- Conditioner 4 ton	Job	4	1200000	
717	**CAFE/CIGAR ROOM (GF + FF)**					
718	**ELECTRICAL WORKS**					
719	**Conduits & Pipes**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
720	24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
721	ii	20 mm i/d	Rft.	8000	119.35	
722	iii	25 mm i/d	Rft.	10000	138.95	
723	vi)	50 mm i/d	Rft.	2000	238.15	
724	vii)	80 mm i/d	Rft.	500	299.65	
725	viii)	100 mm i/d	Rft.	1000	377.65	
726	24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made ofLegrand/ ABB / Schenider or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge				
727	a)	One way Gange Switch (Small)				
728	(i)	01 Gange	Each	5	463.2	
729	(ii)	02 Gange	Each	10	704.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Rate
730	(iii)	Three pin Light Plug 10/13 Amp	Each	50	754.45	
731	(iv)	Telephone / TV/Datacable socket	Each	15	662.45	
732	(v)	Fan Dimmer	Each	1	740.6	
733	(vi)	Bell push	Each	1	598.2	
734	(vii)	Three Pin Power Plug 15-32 Amp	Each	10	924.55	
735	b)	One way Gange Switch (Large)				
736	(i)	04 Gange	Each	6	981.25	
737	(ii)	05 Gange	Each	6	1151.35	
738	(iii)	06 Gange	Each	6	1405.85	
739	C)	Two way Gange Switch Small				
740	(i)	01 Gange One Way/ Two Way	Each	4	499.9	
741	**WIRING**					
742	24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
743	c)	450/750 volts, PVC insulated:				
744	ii)	1.5 mm sq (3/0.029")	Per Rft.	15000	42.4	
745	iii)	2.5 mm sq (7/0.029")	Per Rft.	5500	62	
746	iv)	4 mm sq (7/0.036")	Per Rft.	4000	81.85	
747	**LT CABLES**					
748	24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-				
749	i)	4 mm sq (7/0.036")	Per Rft.	50	74.65	
750	ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45	
751	iii)	10 mm sq (7/0.052")	Per Rft.	500	155.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
752	iv)	16 mm sq (7/0.064")	Per Rft.	50	234.3	
753	viii)	70 mm sq (19/0.083")	Per Rft.	250	917.85	
754	24-11	Supply and erection of copper conductor cables for service connection, in prelaaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
755	c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-				
756	iv)	4 mm sq (7/0.036")	Per Rft.	500	268.75	
757	v)	6 mm sq (7/0.044")	Per Rft.	250	381.4	
758	vi)	10 mm sq (7/0.052")	Per Rft.	300	605.85	
759	vii)	16 mm sq (7/0.064")	Per Rft.	300	926.05	
760	viii)	25 mm sq (19/0.052")	Per Rft.	50	1426.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
761	ix)	35 mm sq (19/0.064")	Per Rft.	300	1919.9	
762	**Fans and Exhaust Fans**					
763	24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
764	a)-i	Plastic body - 10" dia	Each	3	5235.5	
765	a)-ii	Plastic body - 12" dia	Each	2	5685.5	
766		b) Steel body				
767	i	12" sweep	Each	1	5516.75	
768	ii	18" sweep	Each	1	6641.75	

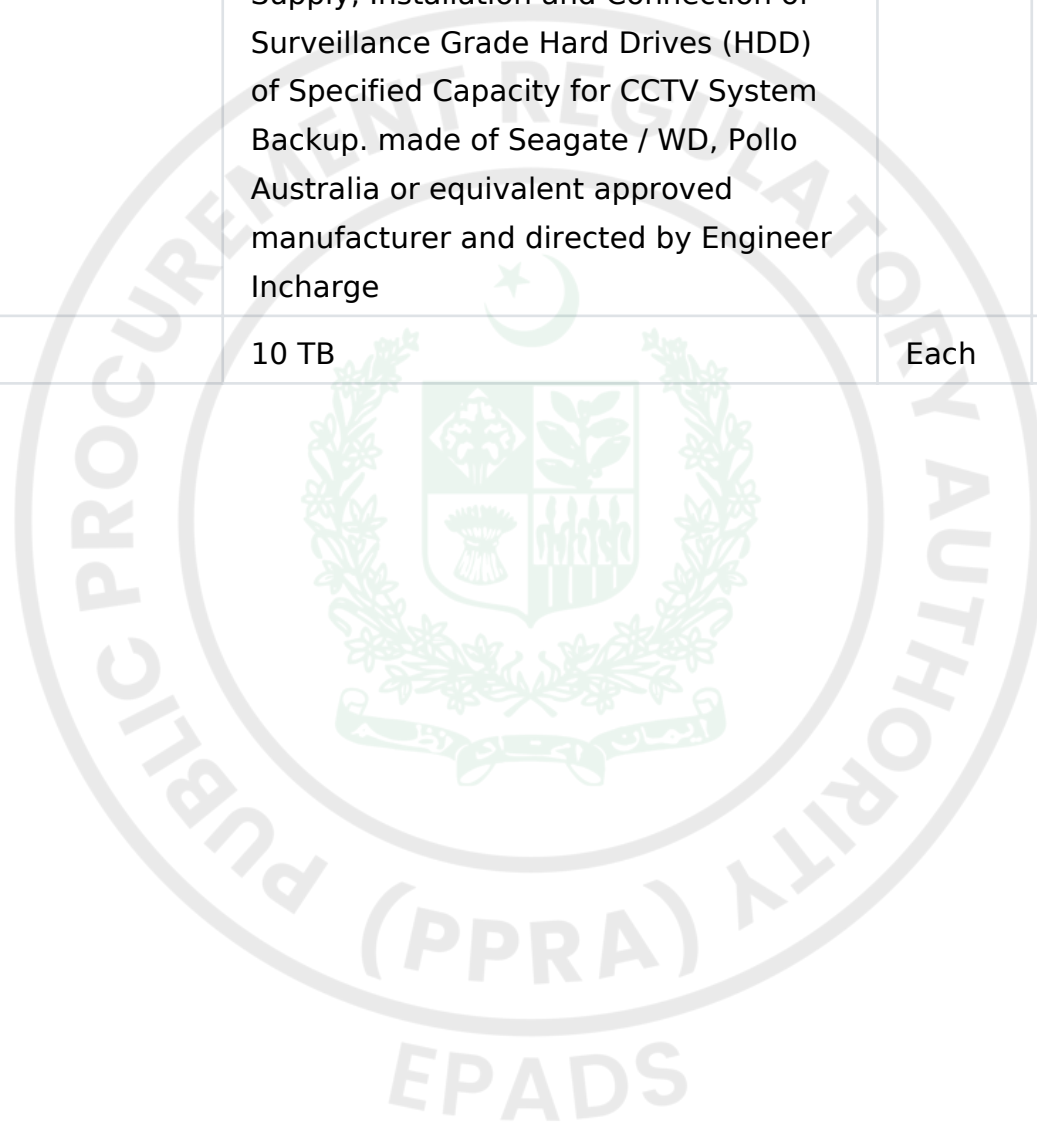
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
769	24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
770	ii)	24" Sweep dia	Each	10	10703	
771	24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
772	(iii)	56" dia	Each	1	10180.2	
773	**Lightning Protection System**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
774	24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	5	21210.95	
775	24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System				
776	viii)	70 mm ² CU bare conductor	Per Rft	225	850.45	
777	**CCTV**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
778	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.				
779	a)	UTP (Unshielded Twisted pair)				
780	(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	3000	49.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
781	24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.				
782	ii)	16-Channel	Each	1	116388.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
783	24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge				
784	iii)	10 TB	Each	1	69360	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
785	24-128	Supply, Installation and Connection of L2 Access Switches 24 x Ethernet 10/100/1000 base-T port, min 2x1Gigabit SFP ports with 2x1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364102.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
786	24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge				
787	b	4 Mega Pixel				
788	(i)	Fixed Bullet Type	Each	2	71535	
789	(ii)	Fixed Dome type	Each	6	82785	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
790	24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge				
791	ii	15U size (600x550x770 mm	Each	1	59379.95	
792	24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641053.15	
793		** DATA NETWORK & WIFI SYSTEM**				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
794		** Data Cabling System**				
795	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.				
796	a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	2500	69.6	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
797	24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.				
798	i)	1 meter Patch Cord	Each	10	1074.4	
799	ii)	3 meter Patch Cord	Each	10	1309.6	
800	24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i-Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	1	4108.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
801	24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, ULListed, Loaded with UTP of specified Keystone Jack Toolless Support, Made of Schneider/ Norden/ 3M Corning/ D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.				
802	ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	1	35405	
803	24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.				
804	i)	Single I/O	Each	10	1678.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
805	24-142	Supply, Installation and commissioning of Core Switches with interface : 10GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP) ,Bandwidth: Tbps or higher with Quad-core processor or higher,MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
806	i)	24 Ports	Each	1	125582.25	

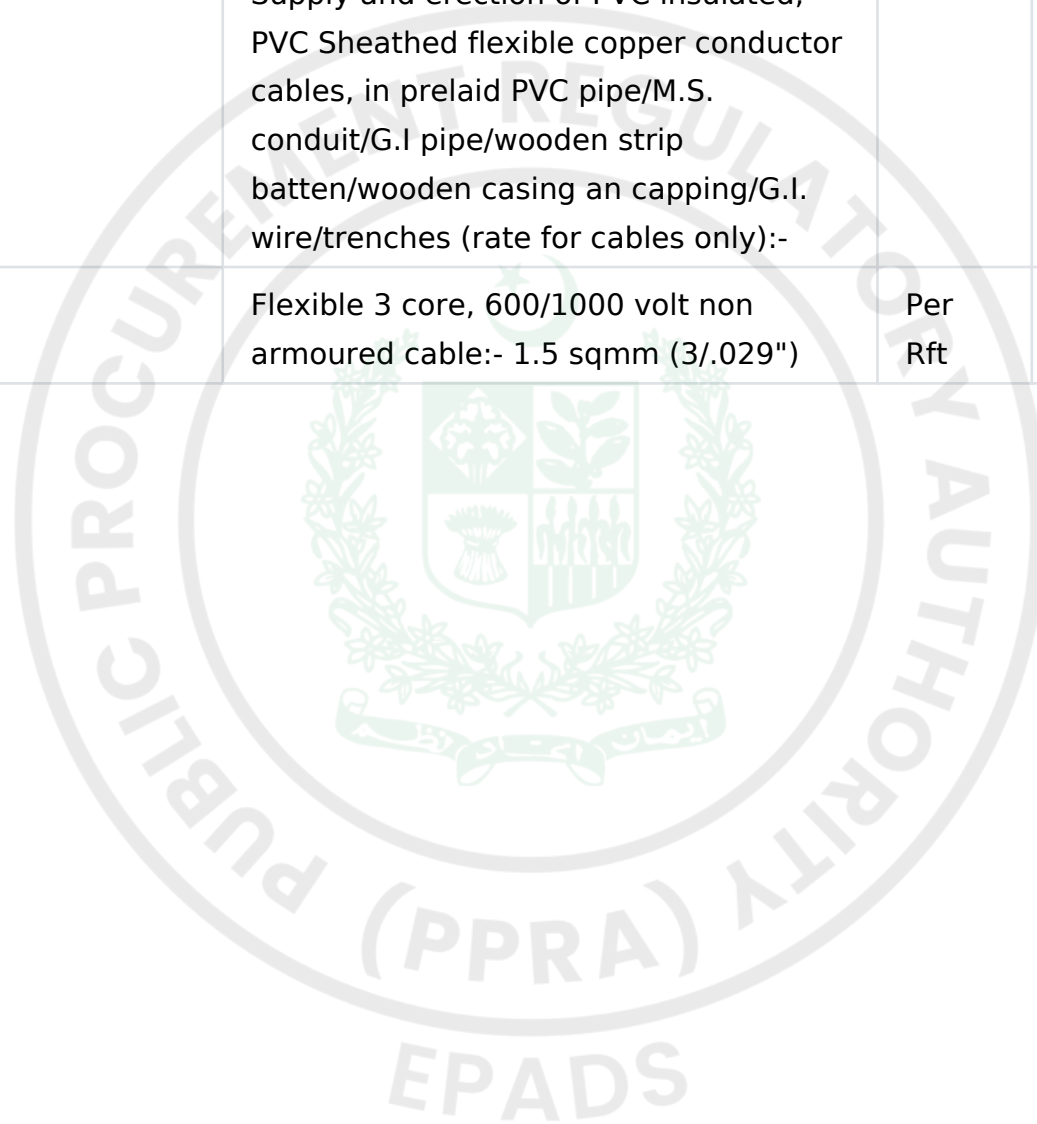
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
807	24-143	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity :90 Mpps, RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei / H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
808		24 Ports	Each	1	91902	
809	24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaidd/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
810	a-(ii)	06 Core	PER RFT	500	596.4	
811	24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge				
812	a)	Multimode (MM) Ports				
813	(ii)	12 Ports	Each	1	64560.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
814	24-160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metallic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.				
815		b) Column Type Speaker				
816	(iv)	60 Watt	Each	8	80081.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
817	24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , complete in all respects made of Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.				
818	vi)	480 Watt	Each	1	468983.65	
819	24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge				
820	i)	Cordless Microphone with Transmitter	Each	1	151462.9	
821	24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116294.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Rate
822	24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				
823	a)i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5 sqmm (3/.029")	Per Rft	1000	128.45	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
824	24-93	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratings, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, power capacitors, Magnetic contactors, HRC fuses, Power factor controllers, Indication lights, Copper comb, Wiring, Neutral & Earth bar, Door earthing, brass glands, push buttons, CTS, Control MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge.				
825	i)	62.5 KVAR	Each	1	269555	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
826	24-85	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge				
827	a)	Single Pole				
828	(iii)	6-63 Amp (10 KA)	Each	60	1459.05	
829	b)	Double Pole				
830		iii) 6-63 Amp (10 KA)	Each	2	5621.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
831	24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge				
832	a)	Triple Pole				
833	(iii)	15-100 Amp(18 KA)	Each	24	12172.95	
834	viii)	125-150 Amp(36 KA)	Each	5	26516.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
835	24-90	(Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/Fwall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).				
836	(a)	6" deep				
837	(i)	20~60A	P.CFT	50	2463.7	
838	ii)	75~100A	P.CFT	20	2604.4	
839	(b)	12" deep				
840	(i)	125~150A	P.CFT	20	7011.65	
841	ii)	160~200A	P.CFT	20	6188.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
842	24-91	P/F floor mounted Electric Panel board of required depth and size,fabricated with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
843	1	LT Switchboards				
844	a)(i)	2.50 Ft deep 250~600A	P. cft	30	4772.65	
845	24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
846	i)	Selector Switch	Each	1	1228.8	
847	(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	6	2134.3	
848	(iii)	Digital Voltmeter (0-600 Volt)	Each	6	1012.8	
849	(iv)	Digital Ammeter (0-9999 Amp)	Each	6	1228.8	
850	(v)	LED Phase Indicator	Each	18	622.8	
851	(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	6	631.15	
852	vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	6	5373.8	
853	viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	18	1375.8	
854	ix)	Surge Suppressors	Each	6	1060.8	
855	x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	1	2257.8	
856	xi)	Exhaust Fan with Louvers (Make: Imported/Plastim)	Each	3	3832.8	
857	xii)	Temperature Regulator 0~60C	Each	3	2134.3	
858	xiii)	(Power Capacitors	Each			

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
859	a)	12.5 KVAR	Each	1	16852.8	
860	b)	25 KVAR	Each	1	25852.8	
861		Magnetic Contactor				
862	(a)	25 A (AC 3) for 12.5 KVAR	Each	3	10048.8	
863	b)	40 A (AC 3) for 25 KVAR	Each	3	14332.8	
864	(xvii)	Power Factor Controller				
865	a)	6 Steps	Each	1	55252.8	
866	**Non - Schedule Items**					
867	** Light Fixtures**					
868		Ref. Specs Sec. 8001, 8150				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
869		Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.				
870	NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, PF=.95 complete in all respects.	No.	5	9500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
871	NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, complete in all respects.	No.	10	2500	
872	NS-03	15-20 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	100	3500	
873	NS-04	7-10 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	5	1950	
874	NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-55 or better rated	No.	20	6500	
875	NS-06	LED EXIT LIGHT 8/10 W	No.	10	9500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
876		Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation, condensate drain piping including Venture Cladding, fittings insulation, tape wrapping etc, insulation, refrigerant charge thermostate, control between indoor and outdoor units power wiring, conduiting, dura duct / channel mounting brackets and accessories complete in all respect.				
877	NS-07	Split Air- Conditioner 1.5 ton	Job	2	350000	
878	NS-08	Cassette ceiling type Air- Conditioner 4 ton	Job	4	1500000	
879	NS-09	Floor standing type Air- Conditioner 4 ton	Job	10	1200000	
880	**SWIMMING POOL & GYM**					
881	**ELECTRICAL WORKS**					
882	**Conduits & Pipes**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
883	24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
884	ii	20 mm i/d	Rft.	15000	119.35	
885	iii	25 mm i/d	Rft.	16000	138.95	
886	vi)	50 mm i/d	Rft.	2000	238.15	
887	vii)	80 mm i/d	Rft.	500	299.65	
888	viii)	100 mm i/d	Rft.	1000	377.65	
889	24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenide or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge				
890	a)	One way Gange Switch (Small)				
891	(i)	01 Gange	Each	7	463.2	
892	(ii)	02 Gange	Each	12	704.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
893	(iii)	Three pin Light Plug 10/13 Amp	Each	50	754.45	
894	(iv)	Telephone / TV/Datacable socket	Each	15	662.45	
895	(v)	Fan Dimmer	Each	1	740.6	
896	(vi)	Bell push	Each	1	598.2	
897	(vii)	Three Pin Power Plug 15-32 Amp	Each	20	924.55	
898	b)	One way Gange Switch (Large)				
899	(i)	04 Gange	Each	8	981.25	
900	(ii)	05 Gange	Each	8	1151.35	
901	(iii)	06 Gange	Each	8	1405.85	
902	C)	Two way Gange Switch Small				
903	(i)	01 Gange One Way/ Two Way	Each	6	499.9	
904		Wiring				
905	24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
906	c)	450/750 volts, PVC insulated:				
907	ii)	1.5 mm sq (3/0.029")	Per Rft.	18000	42.4	
908	iii)	2.5 mm sq (7/0.029")	Per Rft.	5800	62	
909	iv)	4 mm sq (7/0.036")	Per Rft.	5000	81.85	
910		LT Cables				
911	24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-				
912	i)	4 mm sq (7/0.036")	Per Rft.	50	74.65	
913	ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45	
914	iii)	10 mm sq (7/0.052")	Per Rft.	1000	155.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
915	iv)	16 mm sq (7/0.064")	Per Rft.	100	234.3	
916	vii)	70 mm sq (19/0.083")	Per Rft.	500	917.85	
917	24-11	Supply and erection of copper conductor cables for service connection, in prelaaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
918	c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-				
919	iv)	4 mm sq (7/0.036")	Per Rft.	600	268.75	
920	v)	6 mm sq (7/0.044")	Per Rft.	250	381.4	
921	vi)	10 mm sq (7/0.052")	Per Rft.	500	605.85	
922	vii)	16 mm sq (7/0.064")	Per Rft.	300	926.05	
923	viii)	25 mm sq (19/0.052")	Per Rft.	500	1426.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
924	ix)	35 mm sq (19/0.064")	Per Rft.	600	1919.9	
925		Fans and Exhaust Fans				
926	24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
927	a)-i	Plastic body - 10" dia	Each	6	5235.5	
928	a)-ii	Plastic body - 12" dia	Each	4	5685.5	
929		b) Steel body				
930	i	12" sweep	Each	1	5516.75	
931	ii	18" sweep	Each	1	6641.75	

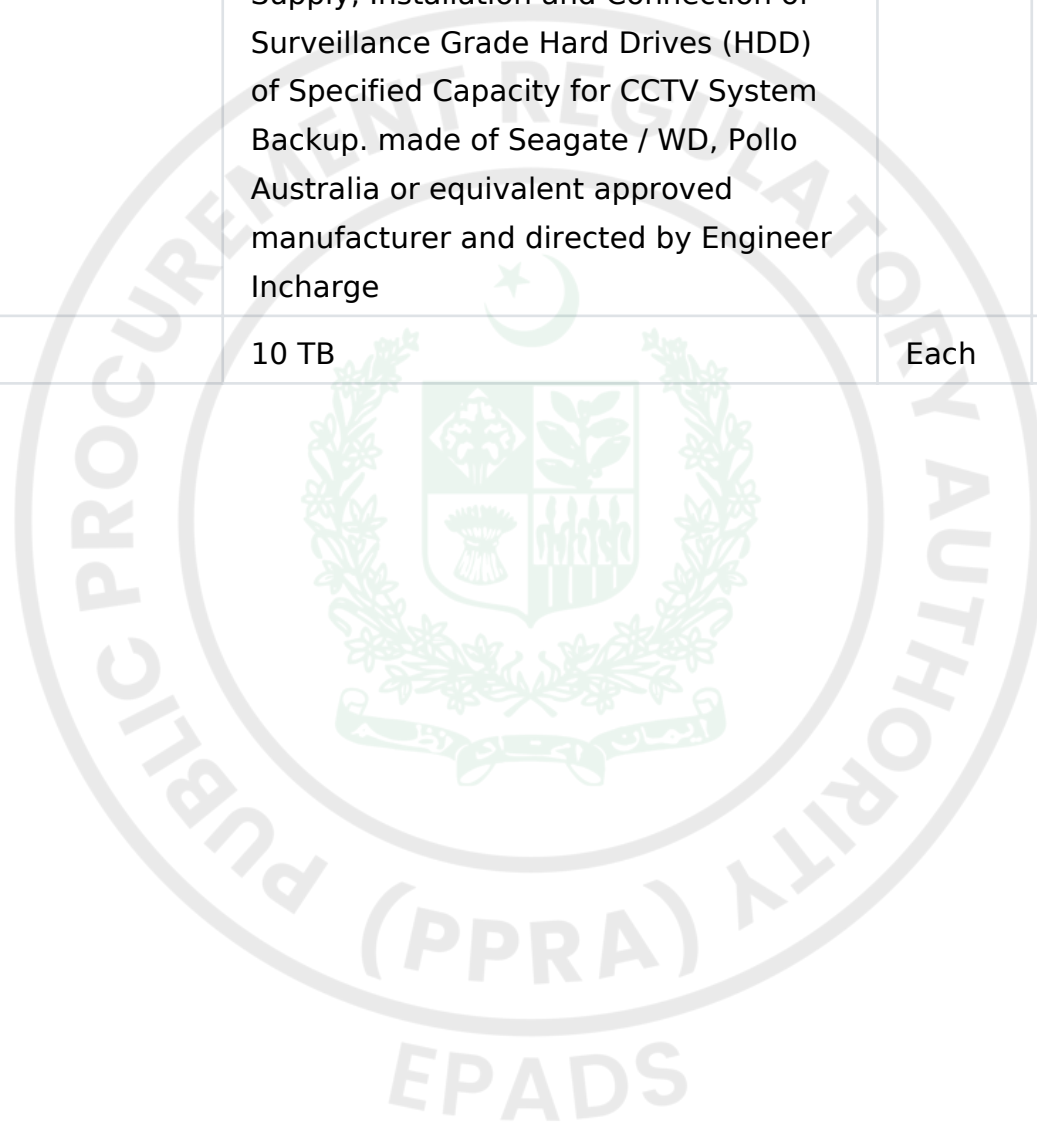
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
932	24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
933	ii)	24" Sweep dia	Each	15	10703	
934	24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
935	(iii)	56" dia	Each	1	10180.2	
936		Lightning Protection System				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
937	24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	5	21210.95	
938	24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System				
939	viii)	70 mm ² CU bare conductor	Per Rft	300	850.45	
940	**CCTV**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
941	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.				
942	a)	UTP (Unshielded Twisted pair)				
943	(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	5000	49.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
944	24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.				
945	iii)	32-Channel	Each	1	131353.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
946	24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge				
947	iii)	10 TB	Each	2	69360	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
948	24-128	Supply, Installation and Connection of L2 Access Switches 24xEthernet 10/100/1000 base-T port, min 2x1Gigabit SFP ports with 2x1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	2	364102.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
949	24-131	Supply, Installation and Connection of Fiber Optic SC-LC Patch Cords OS2 or OM3 of Specified Length from PoE Switch to ODF Point, UL Listed, Made of Schneider / Norden , Pollo Australia or equivalent as approved and directed by Engineer Incharge	P.Rft	250	1922	
950	24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge				
951	b	4 Mega Pixel				
952	(i)	Fixed Bullet Type	Each	4	71535	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
953	(ii)	Fixed Dome type	Each	12	82785	
954	24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australiaor equivalent or as approved and directed by Engineer Incharge				
955	ii	15U size (600x550x770 mm	Each	2	59379.95	
956	24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641053.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
957	**DATA NETWORK & WIFI SYSTEM**					
958	**Data Cabling System**					
959	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.				
960	a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	5000	69.6	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
961	24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.				
962	i)	1 meter Patch Cord	Each	15	1074.4	
963	ii)	3 meter Patch Cord	Each	15	1309.6	
964	24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i-Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	2	4108.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
965	24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, UListed, Loaded with UTP of specified Keystone Jack Toolless Support, Made of Schneider/ Norden/ 3M Corning/ D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.				
966	ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	2	35405	
967	24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.				
968	i)	Single I/O	Each	15	1678.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
969	24-142	Supply, Installation and commissioning of Core Switches with interface: 10GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP), Bandwidth: Tbps or higher with Quad-core processor or higher, MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
970	i)	24 Ports	Each	2	125582.25	

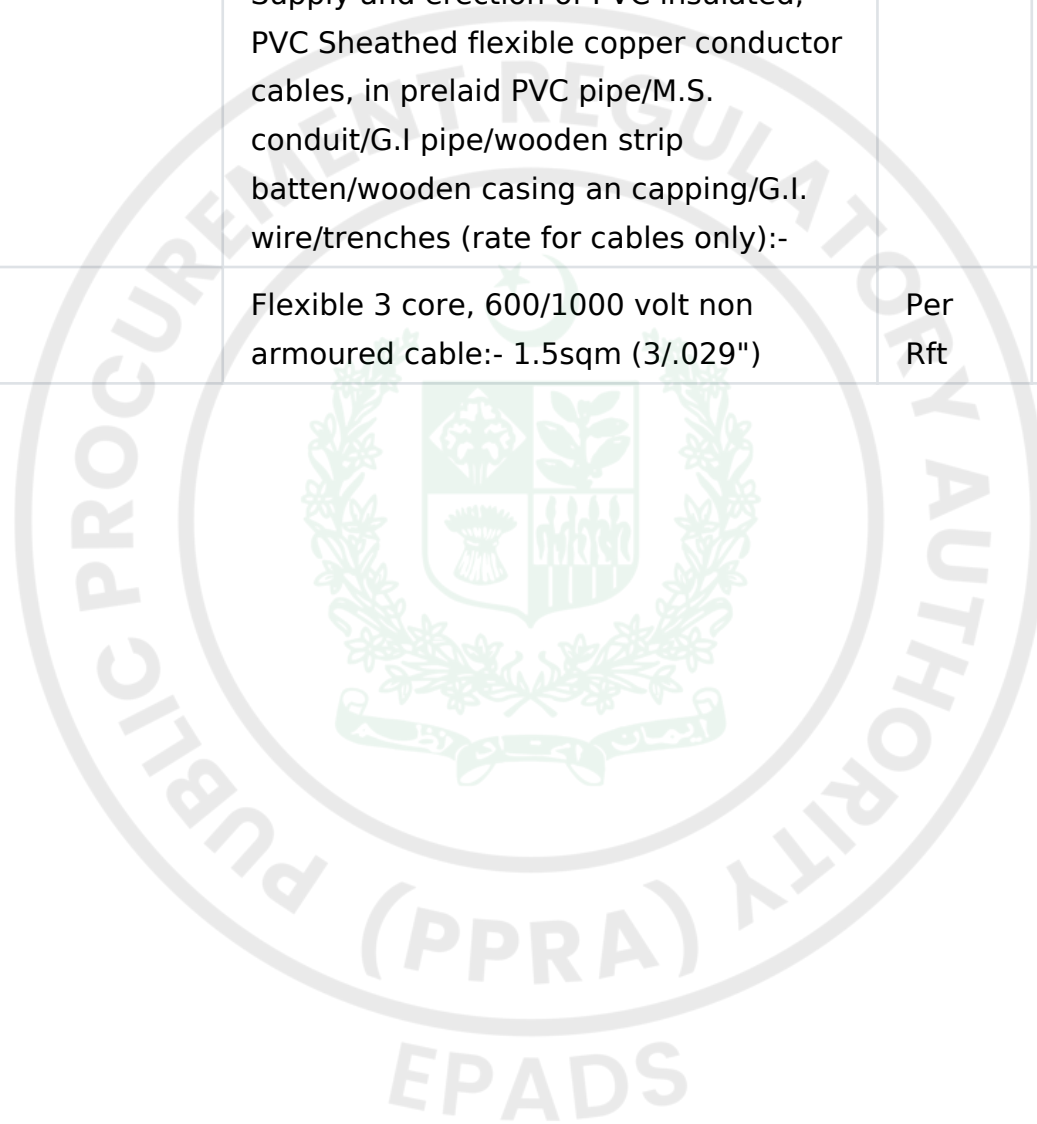
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
971	24-143	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity: 90 Mpps, RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei/ H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
972		24 Ports	Each	1	91902	
973	24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed, in prelaid/pipe, cable tray , including all accessories, made of Norden / Schneider /Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
974	a(ii)	06 Core	PER RFT	1000	596.4	
975	24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge				
976	a)	Multimode (MM) Ports				
977	(ii)	12 Ports	Each	1	64560.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
978	24-160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metallic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.				
979		b) Column Type Speaker				
980	(iv)	60 Watt	Each	8	80081.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
981	24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , complete in all respects made of Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.				
982	vi)	480 Watt	Each	1	468983.65	
983	24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge				
984	i)	Cordless Microphone with Transmitter	Each	1	151462.9	
985	24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116294.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
986	24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				
987	a)-i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5sqm (3/.029")	Per Rft	1000	128.45	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
988	24-93	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratings, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, power capacitors, Magnetic contactors, HRC fuses, Power factor controllers, Indication lights, Copper comb, Wiring, Neutral & Earth bar, Door earthing, brass glands, push buttons, CTS, Controle MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge.				
989	i)	62.5KVAR	Each	1	269555	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
990	24-85	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge				
991	a)	Single Pole				
992	(iii)	6-63 Amp (10 KA)	Each	100	1459.05	
993	b)	Double Pole				
994		iii) 6-63 Amp (10 KA)	Each	2	5621.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
995	24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge				
996	a)	Triple Pole				
997	(iii)	15-100 Amp(18 KA)	Each	48	12172.95	
998	viii)	125-150 Amp(36 KA)	Each	10	26516.7	
999	(ix)	200-250 Amp(36 KA)	Each	6	47329.2	
1000	x)	300-630 Amp(36 KA)	Each	2	93383.35	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1001	24-90	(Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector switch, Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).				
1002	(a)	6" deep				
1003	(i)	20~60A	P.CFT	100	2463.7	
1004	ii)	75~100A	P.CFT	50	2604.4	
1005	(b)	12" deep				
1006	(i)	125~150A	P.CFT	40	7011.65	
1007	ii)	160~200A	P.CFT	40	6188.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1008	24-91	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
1009	1	LT Switchboards				
1010	a)(i)	2.50 Ft deep 250~600A	P. cft	50	4772.65	
1011	24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1012	i)	Selector Switch	Each	2	1228.8	
1013	(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	12	2134.3	
1014	(iii)	Digital Voltmeter (0-600 Volt)	Each	12	1012.8	
1015	(iv)	Digital Ammeter (0-9999 Amp)	Each	12	1228.8	
1016	(v)	LED Phase Indicator	Each	36	622.8	
1017	(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	12	631.15	
1018	vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	12	5373.8	
1019	viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	36	1375.8	
1020	ix)	Surge Suppressors	Each	12	1060.8	
1021	x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	2	2257.8	
1022	xi)	Exhaust Fan with Louvers (Make: Imported/Plastim)	Each	6	3832.8	
1023	xii)	Temperature Regulator 0~60C	Each	6	2134.3	
1024	xiii)	(Power Capacitors	Each			

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1025	a)	12.5 KVAR	Each	2	16852.8	
1026	b)	25 KVAR	Each	2	25852.8	
1027	c)	50 KVAR	Each	1	66052.8	
1028		Magnetic Contactor				
1029	(a)	25 A (AC 3) for 12.5 KVAR	Each	6	10048.8	
1030	b)	40 A (AC 3) for 25 KVAR	Each	6	14332.8	
1031	(xvii)	Power Factor Controller				
1032	a)	6 Steps	Each	2	55252.8	
1033	**Non -Schedule Items**					
1034	**Light Fixtures**					
1035		Ref. Specs Sec. 8001, 8150				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1036		Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.				
1037	NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, PF=.95 complete in all respects.	No.	10	9500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1038	NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, complete in all respects.	No.	20	2500	
1039	NS-03	15-20 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	300	3500	
1040	NS-04	7-10 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	5	1950	
1041	NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-55 or better rated	No.	20	6500	
1042	NS-06	LED EXIT LIGHT 8/10 W	No.	20	9500	
1043	NS-07	20 watt under water light ip 67	No.	20	45000	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1044		Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding , fittings insulation,tape wrapping etc , insulation,refrigerant charge thermostate ,control between indoor and outdoor units power wiring , conduiting , dura duct / channel mounting brackets and accessories complete in all respect.				
1045	NS-08	Split Air- Conditioner 1.5 ton	Job	4	350000	
1046	NS-09	Cassette ceiling type Air- Conditioner 4 ton	Job	4	1500000	
1047	NS-10	Floor standing type Air- Conditioner 4 ton	Job	15	1200000	
1048	**BADMINTON HAL**					
1049	**ELECTRICAL WORKS**					
1050	**Conduits & Pipes**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1051	24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
1052	ii	20 mm i/d	Rft.	3800	119.35	
1053	iii	25 mm i/d	Rft.	3700	138.95	
1054	vi)	50 mm i/d	Rft.	500	238.15	
1055	vii)	80 mm i/d	Rft.	250	299.65	
1056	viii)	100 mm i/d	Rft.	800	377.65	
1057	24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge				
1058	a)	One way Gange Switch (Small)				
1059	(i)	01 Gange	Each	3	463.2	
1060	(ii)	02 Gange	Each	5	704.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1061	(iii)	Three pin Light Plug 10/13 Amp	Each	22	754.45	
1062	(iv)	Telephone / TV/Datacable socket	Each	10	662.45	
1063	(v)	Fan Dimmer	Each	1	740.6	
1064	(vi)	Bell push	Each	1	598.2	
1065	(vii)	Three Pin Power Plug 15-32 Amp	Each	8	924.55	
1066	b)	One way Gange Switch (Large)				
1067	(i)	04 Gange	Each	4	981.25	
1068	(ii)	05 Gange	Each	4	1151.35	
1069	(iii)	06 Gange	Each	4	1405.85	
1070	C)	Two way Gange Switch Small				
1071	(i)	01 Gange One Way/ Two Way	Each	3	499.9	
1072	**Wiring**					
1073	24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1074	c)	450/750 volts, PVC insulated:				
1075	ii)	1.5 mm sq (3/0.029")	Per Rft.	6500	42.4	
1076	iii)	2.5 mm sq (7/0.029")	Per Rft.	3300	62	
1077	iv)	4 mm sq (7/0.036")	Per Rft.	2800	81.85	
1078	**LT Cables**					
1079	24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaidd G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-				
1080	i)	4 mm sq (7/0.036")	Per Rft.	50	74.65	
1081	ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45	
1082	iii)	10 mm sq (7/0.052")	Per Rft.	250	155.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1083	iv)	16 mm sq (7/0.064")	Per Rft.	50	234.3	
1084	24-11	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):-				
1085	c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-				
1086	iv)	4 mm sq (7/0.036")	Per Rft.	250	268.75	
1087	v)	6 mm sq (7/0.044")	Per Rft.	20	381.4	
1088	vi)	10 mm sq (7/0.052")	Per Rft.	150	605.85	
1089	vii)	16 mm sq (7/0.064")	Per Rft.	150	926.05	
1090	viii)	25 mm sq (19/0.052")	Per Rft.	20	1426.2	
1091	ix)	35 mm sq (19/0.064")	Per Rft.	150	1919.9	

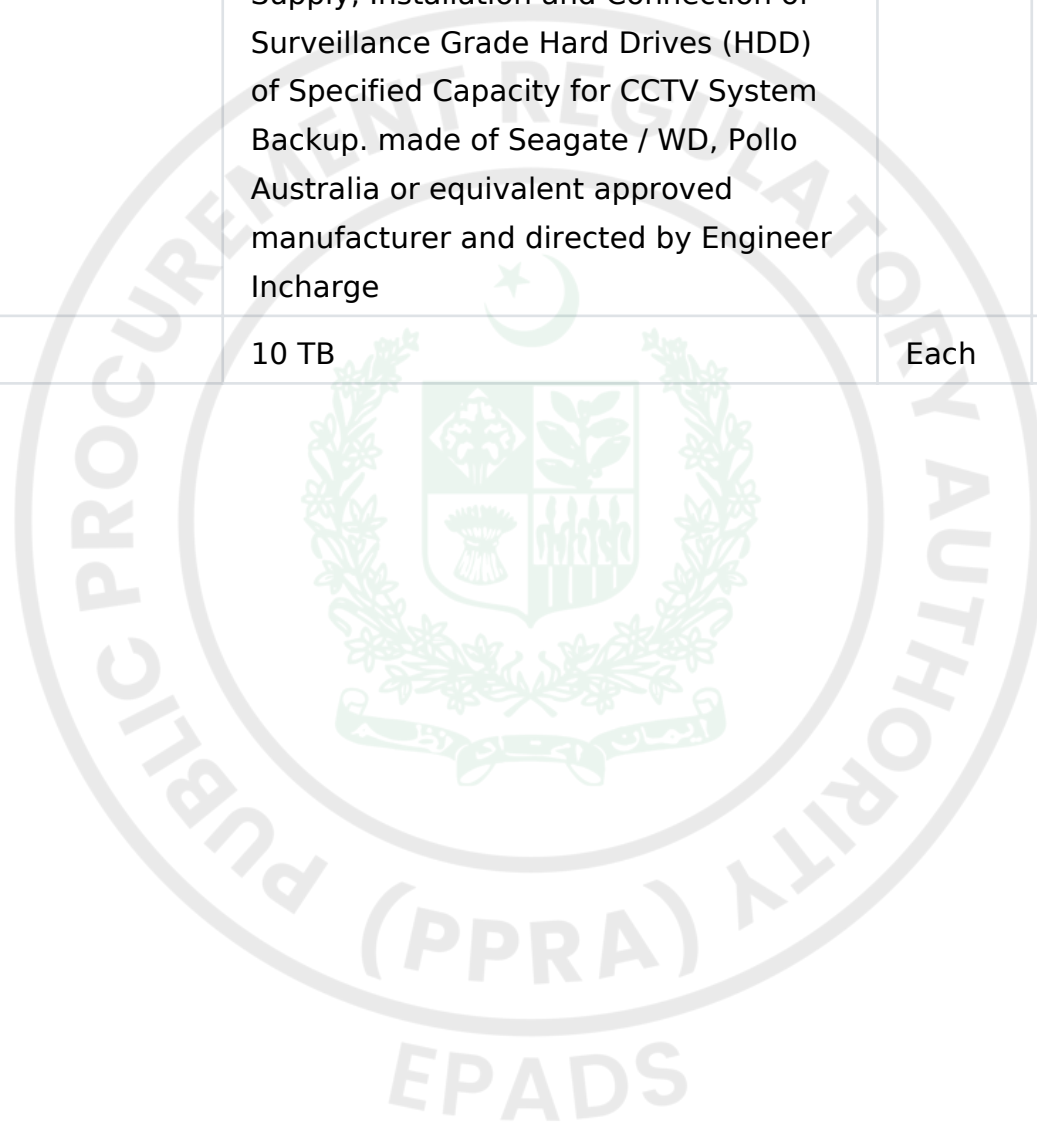
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1092		Fans and Exhaust Fans				
1093	24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
1094	a)-i	Plastic body - 10" dia	Each	2	5235.5	
1095	a)-ii	Plastic body - 12" dia	Each	1	5685.5	
1096		b) Steel body				
1097	i	12" sweep	Each	1	5516.75	
1098	ii	18" sweep	Each		6641.75	
1099	24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
1100	ii)	24" Sweep dia	Each	4	10703	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1101	24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
1102	(iii)	56" dia	Each	1	10180.2	
1103	**Lightning Protection System**					
1104	24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link coppe plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	2	21210.95	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1105	24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System				
1106	viii)	70 mm ² CU bare conductor	Per Rft	200	850.45	
1107	**CCTV**					
1108	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.				
1109	a)	UTP (Unshielded Twisted pair)				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1110	(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	1200	49.2	
1111	24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.				
1112	ii)	16-Channel	Each	1	116388.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1113	24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge				
1114	iii)	10 TB	Each	1	69360	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1115	24-128	Supply, Installation and Connection of L2 Access Switches 24 x Ethernet 10/100/1000 base-T port, min 2 x 1 Gigabit SFP ports with 2 x 1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364102.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1116	24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge				
1117	b	4 Mega Pixel				
1118	(i)	Fixed Bullet Type	Each	1	71535	
1119	(ii)	Fixed Dome type	Each	5	82785	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1120	24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge				
1121	ii	15U size (600 x 550 x 770 mm)	Each	1	59379.95	
1122	24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641053.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1123	**DATA NETWORK & WIFI SYSTEM**					
1124	**Data Cabling System**					
1125	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.				
1126	a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	1500	69.6	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1127	24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.				
1128	i)	1 meter Patch Cord	Each	8	1074.4	
1129	ii)	3 meter Patch Cord	Each	8	1309.6	
1130	24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i-Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	1	4108.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1131	24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, ULListed, Loaded with UTP of specified Keystone Jack Toolless Support, Made of Schneider/ Norden/ 3M Corning/ D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.				
1132	ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	1	35405	
1133	24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.				
1134	i)	Single I/O	Each	8	1678.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1135	24-142	Supply, Installation and commissioning of Core Switches with interface : 10GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP) ,Bandwidth: Tbps or higher with Quad-core processor or higher,MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
1136	i)	24 Ports	Each	1	125582.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1137	24-143	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity :90 Mpps, RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei / H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.				
1138		24 Ports	Each	1	91902	
1139	24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaidd/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1140	a(ii)	06 Core	PER RFT	250	596.4	
1141	24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge				
1142	a)	Multimode (MM) Ports				
1143	(ii)	12 Ports	Each	1	64560.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1144	24--160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metallic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.				
1145		b) Column Type Speaker				
1146	(iv)	60 Watt	Each	4	80081.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1147	24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , complete in all respects made of Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.				
1148	vi)	480 Watt	Each	1	468983.65	
1149	24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge				
1150	i)	Cordless Microphone with Transmitter	Each	1	151462.9	
1151	24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116294.25	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1152	24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				
1153	a)-i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5 sqmm (3/.029")	Per Rft	500	128.45	
1154	24-85	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge				
1155	a)	Single Pole				
1156	(iii)	6-63 Amp (10 KA)	Each	40	1459.05	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1157	b)	Double Pole				
1158	iii)	6-63 Amp (10 KA)	Each	1	5621.55	
1159	24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge				
1160	a)	Triple Pole				
1161	(iii)	15-100 Amp(18 KA)	Each	12	12172.95	
1162	viii)	125-150 Amp(36 KA)	Each	3	26516.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1163	24-90	(Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).				
1164	(a)	6" deep				
1165	(i)	20~60A	P.CFT	30	2463.7	
1166	ii)	75~100A	P.CFT	20	2604.4	
1167	(b)	12" deep				
1168	(i)	125~150A	P.CFT	20	7011.65	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1169	24-91	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
1170	1	LT Switchboards				
1171	a)(i)	2.50 Ft deep 250~600A	P. cft	20	4772.65	
1172	24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1173	i)	Selector Switch	Each	1	1228.8	
1174	(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	6	2134.3	
1175	(iii)	Digital Voltmeter (0-600 Volt)	Each	6	1012.8	
1176	(iv)	Digital Ammeter (0-9999 Amp)	Each	6	1228.8	
1177	(v)	LED Phase Indicator	Each	9	622.8	
1178	(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	6	631.15	
1179	vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	6	5373.8	
1180	viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	9	1375.8	
1181	ix)	Surge Suppressors	Each	6	1060.8	
1182	x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	1	2257.8	
1183	xi)	Exhaust Fan with Louvers (Make: Imported/Plastim)	Each	3	3832.8	
1184	xii)	Temperature Regulator 0~60C	Each	3	2134.3	
1185	xiii)	(Power Capacitors	Each			

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1186	a)	12.5 KVAR	Each	1	16852.8	
1187	b)	25 KVAR	Each	1	25852.8	
1188		Magnetic Contactor				
1189	(a)	25 A (AC 3) for 12.5 KVAR	Each	3	10048.8	
1190	b)	40 A (AC 3) for 25 KVAR	Each	3	14332.8	
1191	(xvii)	Power Factor Controller				
1192	a)	6 Steps	Each	1	55252.8	
1193	**Non - Schedule Items**					
1194	**Light Fixtures**					
1195		Ref. Specs Sec. 8001, 8150				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1196		Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.				
1197	NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, PF=.95 complete in all respects.	No.	2	9500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1198	NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, complete in all respects.	No.	6	2500	
1199	NS-03	15-20 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	60	3500	
1200	NS-04	7-10 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	5	1950	
1201	NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-55 or better rated	No.	8	6500	
1202	NS-06	LED EXIT LIGHT 8/10 W	No.	5	9500	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1203		Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding , fittings insulation,tape wrapping etc , insulation,refrigerant charge thermostate ,control between indoor and outdoor units power wiring , conduiting , dura duct / channel mounting brackets and accessories complete in all respect.				
1204	NS-07	Split Air- Conditioner 1.5 ton	Job	4	350000	
1205	NS-08	Floor standing type Air- Conditioner 4 ton	Job	4	1200000	
1206	**EXTERNAL Electrical Works**					
1207	**ELECTRICAL WORKS**					
1208	**Conduits & Pipes**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1209	24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
1210	ii	20 mm i/d	Rft.	1000	119.35	
1211	iii	25 mm i/d	Rft.	1000	138.95	
1212	vi)	50 mm i/d	Rft.	3000	238.15	
1213	vii)	80 mm i/d	Rft.	1000	299.65	
1214	viii)	100 mm i/d	Rft.	2000	377.65	
1215	24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenide or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge				
1216	a)	One way Gange Switch (Small)				
1217	(i)	01 Gange	Each	4	463.2	
1218	(ii)	02 Gange	Each	2	704.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1219	(iii)	Three pin Light Plug 10/13 Amp	Each	5	754.45	
1220	(vii)	Three Pin Power Plug 15-32 Amp	Each	10	924.55	
1221	**Wiring**					
1222	24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-				
1223	c)	450/750 volts, PVC insulated:				
1224	ii)	1.5 mm sq (3/0.029")	Per Rft.	2000	42.4	
1225	iii)	2.5 mm sq (7/0.029")	Per Rft.	2000	62	
1226	iv)	4 mm sq (7/0.036")	Per Rft.	4000	81.85	
1227	**LT Cables**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1228	24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-				
1229	i)	4 mm sq (7/0.036")	Per Rft.	100	74.65	
1230	ii)	6 mm sq (7/0.044")	Per Rft.	100	100.45	
1231	iii)	10 mm sq (7/0.052")	Per Rft.	200	155.7	
1232	iv)	16 mm sq (7/0.064")	Per Rft.	200	234.3	
1233	v)	25 mm sq (19/0.052")	Per Rft.	500	358.5	
1234	24-11	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1235	b)	Three core, 600/1000 volt cable:-				
1236	iii)	7/0.74 mm (7/0.029")	Per Rft.	3000	141.1	
1237	c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-				
1238	iv)	4 mm sq (7/0.036")	Per Rft.	200	268.75	
1239	v)	6 mm sq (7/0.044")	Per Rft.	100	381.4	
1240	vi)	10 mm sq (7/0.052")	Per Rft.	250	605.85	
1241	vii)	16 mm sq (7/0.064")	Per Rft.	2000	926.05	
1242	viii)	25 mm sq (19/0.052")	Per Rft.	600	1426.2	
1243	**Fans and Exhaust Fans**					

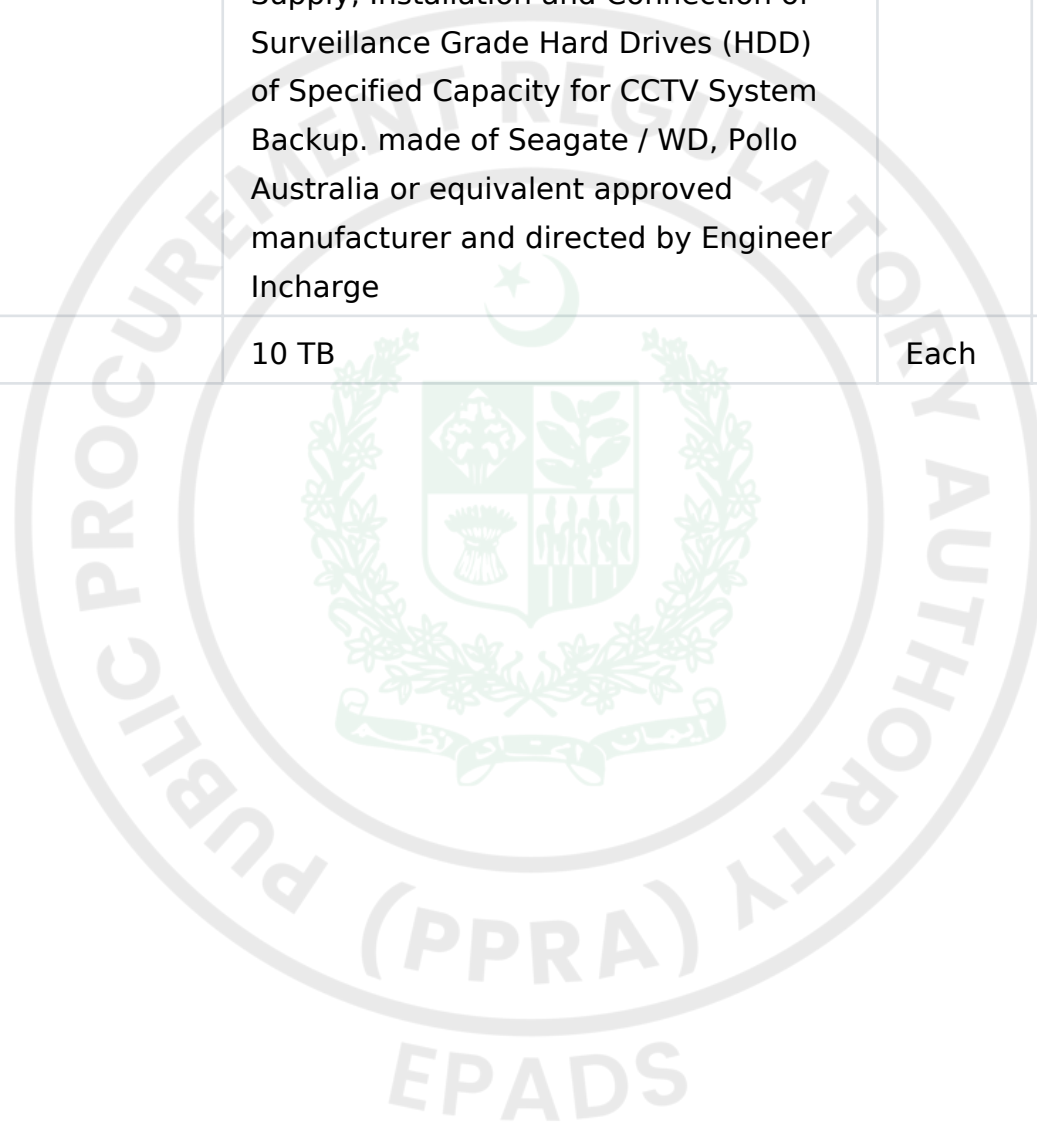
Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1244	24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
1245	a)-i	Plastic body - 10" dia	Each	2	5235.5	
1246	24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
1247	ii)	24" Sweep dia	Each	1	10703	
1248	24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1249	(iii)	56" dia	Each	1	10180.2	
1250	**Lightning Protection System**					
1251	24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers plugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	80	21210.95	
1252	24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System				
1253	viii)	70 mm ² CU bare conductor	Per Rft	1000	850.45	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1254	**CCTV**					
1255	24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.				
1256	a)	UTP (Unshielded Twisted pair)				
1257	(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	6500	49.2	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1258	24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.				
1259	iii)	32-Channel	Each	1	131353.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1260	24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge				
1261	iii)	10 TB	Each	2	69360	



Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1262	24-128	Supply, Installation and Connection of L2 Access Switches 24xEthernet 10/100/1000 base-T port, min 2x1Gigabit SFP ports with 2x1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364102.5	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1263	24-129	Supply, Installation and Connection of Layer-3, CoreSwitches, of specified speeds, supporting 10 Giga SFP+ (Small Form Pluggable +) Tranceiver, Switching Capacity at least 500 Gbps or higher ,supporting bidirectional ACL,port-based ACL., Stackable or Cluster setup complete with stacking cable, Stack modules, necessary licenses made of Cisco/ HP / Planet/Huawei/H3C Pollo Australia or equivalent approved manufacturer i/c the cost of tags as approved and directed by Engineer Incharge				
1264	a)	10/100/1000				
1265	(i)	12 port(SFP)	Each	2	645777.75	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1266	24-130	Supply and installation of ODF (Optical Distribution frame) having specified ports,mounting tray loaded, including Splicing, labeling, tagging, support for OM3 multi mode fibre, duplex adopters, and simplex pig-tails. Make Schneider, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge				
1267	(ii)	12 Port	Each	1	69148.5	
1268	24-131	Supply, Installation and Connection of Fiber Optic SC-LC Patch Cords OS2 or OM3 of Specified Length from PoE Switch to ODF Point, UL Listed, Made of Schneider / Norden ,Pollo Australia or equivalent as approved and directed by Engineer Incharge	P.Rft	500	1922	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1269	24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge				
1270	b	4 Mega Pixel				
1271	(i)	Fixed Bullet Type	Each	25	71535	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1272	24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge				
1273	ii	15U size (600 x 550 x 770 mm	Each	2	59379.95	
1274	24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	5	641053.15	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1275	24-136	Supply, installation & connecting outdoor PTZ (Pan-Tilt-Zoom),IP based Camera of specified resolution, lens,motorized varfocal,AL & AF function,specified optical zoom,D/N function-IR cut filter,Video content analysis,micro SD card support, Min, illumination:face recognition, specified IR LED range RANGE i/c the cost of mounting bracket, accessories, made of AXIS Europe/NOVAS Europe/Avigilon by Motorla USA/Bosch Germany, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge				
1276	iii)	4.0 MPxl, Optical zoom 30x,Digital zoom 16x,,laser distance 200 meter, Main stream H-264+/265+, sub stream H.264/265, Third Stream H.264/265, Max resolution 2560 x 1440 with 30 fps, IP-67	Each	1	520635	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1277	24-69	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 70x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge				
1278		a) Single Arm				
1279	(i)	8 mtr height	Each	40	107310.3	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1280	24-70	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (Harvard/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating device i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1281	a)	140 Lm/Watt				
1282	iv)	90 Watt with 12600 Lumens	Each	40	41540.4	
1283	24-93	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratings, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, power capacitors, Magnetic contactors, HRC fuses, Power factor controllers, Indication lights, Copper comb, Wiring, Neutral & Earth bar, Door earthing, brass glands, push buttons, CTS, Control MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge.				
1284	i)	62.5KVAR	Each	1	269555	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1285	24-85	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge				
1286	a)	Single Pole				
1287	(iii)	6-63 Amp (10 KA)	Each	48	1459.05	
1288	b)	Double Pole				
1289	iii)	6-63 Amp (10 KA)	Each	2	5621.55	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1290	24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge				
1291	a)	Triple Pole				
1292	(iii)	15-100 Amp(18 KA)	Each	2	12172.95	
1293	viii)	125-150 Amp(36 KA)	Each	1	26516.7	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1294	24-90	(Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter ,Digital Ammeter, Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).				
1295	(a)	6" deep				
1296	(i)	20~60A	P.CFT	20	2463.7	
1297	ii)	75~100A	P.CFT	10	2604.4	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1298	24-92	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendable, insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights, Brass glands, Netural & Earth bar, thimbles, Digital volt meter/ Amp meter, Selector switch, Current transformers, Controles, Channels, Copper bus bars of specified capacity, Relays, Door Earthing, complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally)				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1299		b) 2.00 Ft deep (i)125-250 KVA	Each	1	2349389.05	
1300	24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge				
1301	i)	Selector Switch	Each	5	1228.8	
1302	(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	10	2134.3	
1303	(iii)	Digital Voltmeter (0-600 Volt)	Each	4	1012.8	
1304	(iv)	Digital Ammeter (0-9999 Amp)	Each	10	1228.8	
1305	(v)	LED Phase Indicator	Each	12	622.8	
1306	(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	15	631.15	
1307	vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	18	5373.8	
1308	viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	18	1375.8	
1309	ix)	Surge Suppressors	Each	6	1060.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1310	x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	5	2257.8	
1311	xi)	Exhaust Fan with Louvers (Make: Imported/Plastim)	Each	5	3832.8	
1312	xii)	Temperature Regulator 0~60C	Each	6	2134.3	
1313	xiii)	(Power Capacitors	Each			
1314	a)	12.5 KVAR	Each	1	16852.8	
1315	b)	25 KVAR	Each	1	25852.8	
1316	c)	50 KVAR	Each	1	66052.8	
1317	(d)	100 KVAR	Each	1	188030.4	
1318		Magnetic Contactor				
1319	(a)	25 A (AC 3) for 12.5 KVAR	Each	2	10048.8	
1320	b)	40 A (AC 3) for 25 KVAR	Each	3	14332.8	
1321	©	80 A (AC 3) for 50 KVAR	Each	2	26932.8	
1322	(xvii)	Power Factor Controller				
1323	a)	6 Steps	Each	1	55252.8	
1324	b)	12 Steps	Each	1	64252.8	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1325	**Non - Schedule Items**					
1326	**HT CABLES & SYSTEM (8.7/15 kV)**					
1327		(Ref. Specification Section-8001 8211)				
1328	NS-01	Supply & Installation of 1 core, 240 mm2 8.7/15 kV Aluminum conductors, XLPE cable as per requirements of the MV distribution system as per WAPDA/IESCO standards.	Meter	40	5100	
1329		TRANSFORMERS				
1330	NS-02	Supply, Installation, testing , Commissioning, of Outdoor type 400KVA, three phase, 11/0.415 kV PAD mounted transformer.The complete unit shall be designed, fabricated and commissioned as per latest WAPDA's technical specifications. It shall also include the cost of mounting and installation material.	Job	1	6240000	
1331		Light Fixtures				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1332		Ref. Specs Sec. 8001, 8150				
1333		Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.				
1334	NS-15	10 W LED Flood light with bult in integrated driver and frosted glass diffuser IP 65	No.	10	5600	
1335	NS-16	200 W LED Flood light with bult in integrated driver and frosted glass diffuser IP 65	No.	60	55000	

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1336	NS-17	Outdoor type LED Bollard light of minimum 1800 lumens light output, IP-55 or better rated	No.	40	25000	
1337		LOW VOLTAGE D.G. SET Ref. Spec. Sec. 8001, 8111, 8240.				
1338	NS-28	Supply, installation , testing and commissioning of 300 kVA, Prime Rating 415 volt D.G. Set skid mounted including control / Instrument Panels, generator Panel, fuel day tank and all accessories along with Sound proof Canopy, manufactured for 300 kVA Prime D.G. Set. etc. complete in all respect including factory testing expenditure as mentioned in Clause 13 of Section 8001.	Job.	1	23700000	
1339	**FIREFIGHTING WORKS**					
1340	**Schedule Items**					
1341	**BILLIARD ROOM**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1342	23 / 54	Providing and fixing of fire extinguishers of following type and capacities complete in all respect as approved and directed by the Engineer Incharge:				
1343	i)	Dry Chemical Powder capacity 6 Kg	Each	1	13329.6	
1344	ii)	CO2 Capacity 5 kg.	Each	1	33067.2	
1345	**CAFÉ / CIGAR ROOM**					
1346	23 / 54	Providing and fixing of fire extinguishers of following type and capacities complete in all respect as approved and directed by the Engineer Incharge:				
1347	i)	Dry Chemical Powder capacity 6 Kg	Each	2	13329.6	
1348	ii)	CO2 Capacity 5 kg.	Each	2	33067.2	
1349	iv)	K-Type wet chemical capacity 6 Litters.	Each	2	48232.8	
1350	**SWIMMING POOL**					
1351	23 / 54	Providing and fixing of fire extinguishers of following type and capacities complete in all respect as approved and directed by the Engineer Incharge:				

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1352	i)	Dry Chemical Powder capacity 6 Kg	Each	3	13329.6	
1353	ii)	CO2 Capacity 5 kg.	Each	2	33067.2	
1354	**Non-Schedule Items**					
1355	**PUMPING MACHINERY**					
1356	NS-01	Automatically operated submersible drainage pump set to be installed in Basement-sump pit, comprising 01No. pump (minimum particle passage : 25mm) including all accessories, pulling chain, Motor Control panel, level switches, gate valves, non return valves, manual tools spare parts, complete in all respects as per drawings and specs of approved make, pump of the following capacity and pumping head. Capacity = 30 gpm Head =02Bars	Job	1	708000	
1357	**PEDAL COURT**					
1358	**ELECTRICAL WORKS-BUILDING**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1359	**Non-Schedule Items**					
1360	NSI-01	Providing and Supplying Electricity and Lights Wiring with 7/29 Guage Wire (Pakistan Cable/Fast Cable) 4 x Lights 350 watts each Philips Lumileds Luxeon 3030 2D Model Life Span of PCB: 50,000hrs Light Source Efficiency (lm/w): 210lm/w Driver Brand: Philips IP Class: Module IP 66 complete in all respects.	No	4	165938	
1361	**BOX CRICKET /FUTSAL GROUND**					
1362	**ELECTRICAL WORKS-BUILDING**					
1363	**Non-Schedule Items**					

Sr.No	Ref. No.	Description	Unit	Qty	Rate	Ra Wo
1364	NSI-05	Providing and Supplying Electricity and Lights Wiring with 7/29 Gauge Wire (Pakistan Cable/Fast Cable) Lights 200 watts each Philips Lumileds Luxeon 3030 2D Model Life Span of PCB: 50,000hrs Light Source Efficiency (lm/w): 210 lm/w Driver Brand: Philips IP Class: Module IP 66 complete in all respects.	No	14	39515	
1365	** PROVISIONAL SUM **					
1366		Lump Sum Provision			100000000	
						GP TO

Scope of Work

All componenets in accordance with BOQ



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]		





General Conditions of Contract

Red Book:

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The Conditions of Contract are the “General Conditions” which form part of the “Conditions of Contract for Construction for Building and Engineering Works Designed by the Employer (“Red book”) Second edition 2017” published by the Federation Internationale Des Ingenieurs – Conseils (FIDIC) and the following “Particular Conditions” which shall complement the General Conditions of the Contract.

The successful Bidder, upon contract award, shall be required to furnish two (02) copies of aforementioned “General Conditions” for incorporation in the Works Contract.

International Federation of Consulting Engineers (FIDIC) FIDIC

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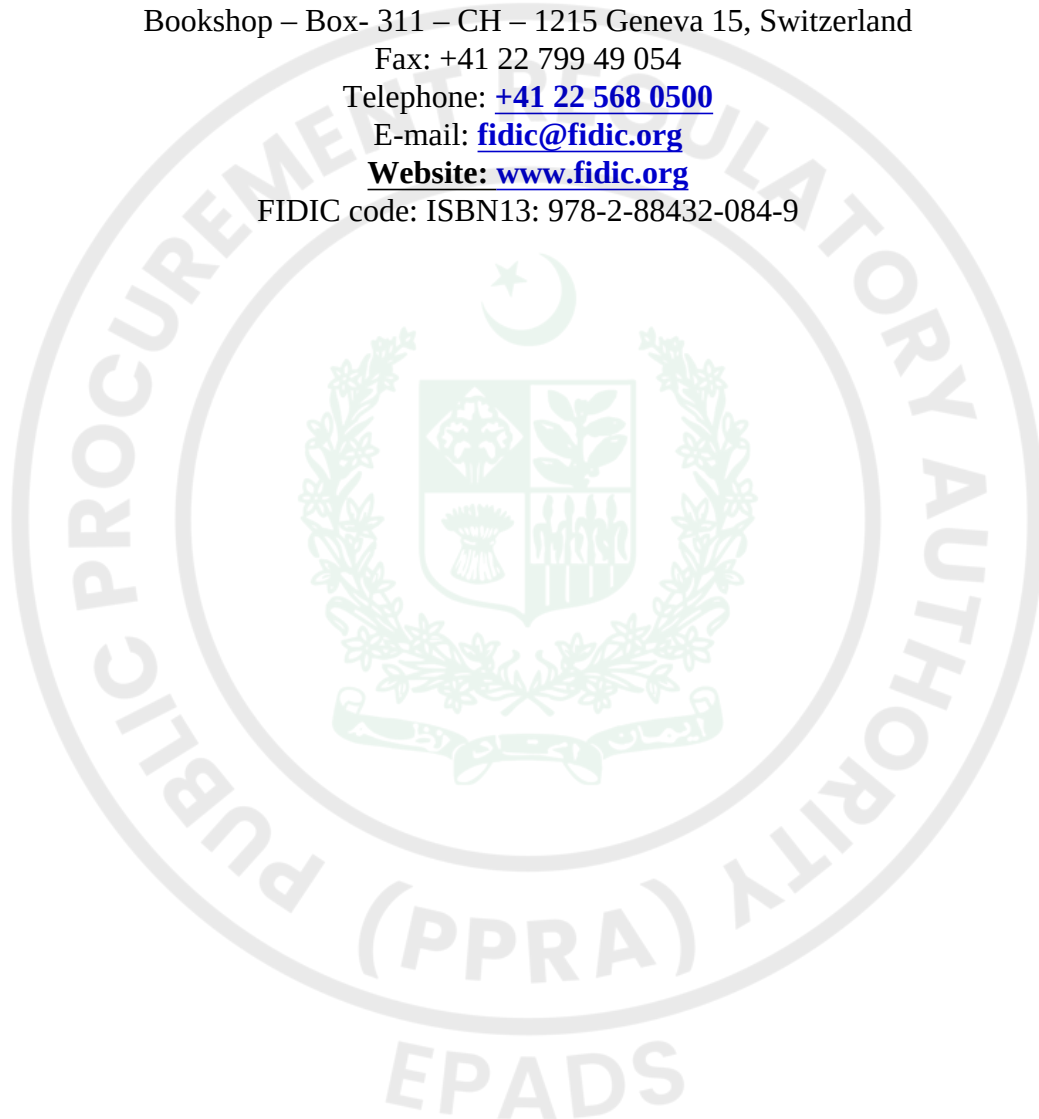
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Special Conditions of Contract

PARTICULAR CONDITIONS OF CONTRACT (PCC)

Particular Conditions

(Mandatory Provisions not to be amended/substituted)

The Particular Conditions (PCC) complement the General Conditions (GCC) to specify dates, contractual requirements, and special circumstances related to the Works. The PCC consists of two parts, Part A - Contract Data and Part B - Special Provisions. The provisions to be found in the Special Provisions (Particular Conditions - Part B) take precedence over the equivalent provisions found under the same Sub-Clause number(s) in the General Conditions, and the provisions of the Contract Data (Particular Conditions - Part A) take precedence over the Special Provisions (Particular Conditions - Part B).

PART A - Contract Data

Sub-Clause 1.1.27

Defects Notification Period (DNP): **365** Days

Sub-Clause 1.1.31

Employer's name & address: **Capital Development Authority (Works Directorate), Dy. Director (Works-II), CDA Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, Islamabad**

Sub-Clause 1.1.35

Engineer's name & address: Concerned Member

Executive Block, CDA Secretariat G-7/4, Islamabad

Sub-Clause 1.1.84

Time for Completion: **120** days for whole of the works

Sub-Clause 1.3 (a)(ii)

Agreed method of electronic transmission: Not Agreed

Sub-Clause 1.3 (d)

Address of Employer for Communications: **Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, Islamabad**

Address of Engineer for Communications:

Executive Block, CDA Secretariat G-7/4, Islamabad

Address of Contractor for Communications: -----

Sub-Clause 1.4

Contract shall be governed by the law of: **Islamic Republic of Pakistan**

Ruling language: **English**

Language for communications: **English**

Sub-Clause 2.1

After receiving the Letter of Acceptance, the Contractor shall be given right of access to all or part of the Site within: **14** days after Commencement Date

Sub-Clause 2.4

Employer's financial arrangements:

Through CDA's own resources

Sub-Clause 3.2 (e)(ii)

Engineer's Duties and Authority: **Variation resulting in an increase of the Accepted Contract Amount in excess of one percent (1%) subject to accumulative Variations not exceeding five percent (5%) of the Accepted Contract Amount**

Sub-Clause 4.2

Performance Security (as percentage of the Accepted Contract Amount in Currencies): 10.00%

Form of Performance Guarantee: **Bank Guarantee**

Sub-Clause 4.2.1

List of Insurance Companies:

Only Bank Guarantee

Sub-Clause 4.7.2

period for notification of errors in the items of reference: **Twenty Eight (28) days**

Sub-Clause 4.19

Period of payment for temporary utilities: **Each Month**

Sub-Clause 5.1 (a)

Maximum allowable accumulated value of work subcontracted (as a percentage of the Accepted Contract Amount): **Nil %**

Sub-Clause 5.1 (b)

Parts of the Works for which subcontracting is not permitted: **Nil**

Sub-Clause 6.5

Normal working hours on the Site: **8**

Sub-Clause 8.3

Number of additional paper copies of programmes: **3**

Sub-Clause 8.8 & 14.15(b)

Delay Damages payable for each day of delay **0.10%** of the Accepted Contract Amount for delay in completion of whole of the Works

Sub-Clause 8.8

Maximum amount of Delay Damages **10.00 %** of the Accepted Contract Amount

Sub-Clause 8.14

Applicability of Incentives for Early Completion **No**

Sub-Clause 12.3

Percentage profit (Not more than 10%): **Nil**

Sub-Clause 13.4.(b)(ii)

Percentage rate to be applied to Provisional Sums for overhead charges and profit: **Twenty Five percent (25%)**

Sub-Clause 14.2

Total Advance Payment: **Fifteen percent (15%) of the Accepted Contract Amount excluding Provisional Sums payable in the currencies and proportions in which the Accepted Contract Amount is payable**

Sub-Clause 14.2.1

Advance Payment Insurance **Not Allowed**

Sub-Clause 14.2.3

Percentage deductions for the repayment of the Advance Payment: Deduction shall be made at the amortization rate of 17.5 % of the value of the Works executed of each IPC as provided in paragraph (i) of Sub-Clause GCC 14.3, starting from 2nd IPC provided that the advance payment shall be completely repaid prior to the time when 90% of the Accepted Contract Amount less Provisional Sums has been certified for payment. It may be more than 17.5% in the last instalment to ensure full repayment.

Sub-Clause 14.3

Period of payment **One Month**

Sub-Clause 14.3(b)

Number of additional paper copies of Statements: **3**

Sub-Clause 14.3 (iii)

Percentage of retention: **Seven percent (7%)**

Sub-Clause 14.3 (iii)

Limit of Retention Money (as a percentage of the Accepted Contract Amount): **Five percent (5%)**

Sub-Clause 14.5(b)(i)

Plant and Materials for payment when shipped: **Plant and Materials under Bill of “Imported Plant and Materials”**

Sub-Clause 14.5(c)(i)

Plant and Materials for payment when delivered to the Site: **Plant and Non Perishable Materials**

Sub-Clause 14.6.2

Minimum amount of Interim Payment Certificate (IPC): **Yes**

The Minimum Amount IPC is 15000000

[Employer to give value not exceeding one fifth of the average expected value of Interim Payment Certificate]

Sub-Clause 14.7(a)

Period of payment of Advance Payment to the Contractor: **14 days**

Sub-Clause 14.7b(i)

Period for the Employer to make interim payments to the Contractor under Sub-Clause 14.6: **28 days**

Sub-Clause 14.7b(ii)

Period for the Employer to make interim payments to the Contractor under Sub-Clause 14.13 (Final Payment): **28 days**

Sub-Clause 14.7(c)

Period for the Employer to make final payment to the Contractor: **56 days**

Sub-Clause 14.8

Financing charges for delayed payment Local Currency (PKR):

6-Month KIBOR (Offer) +3% per annum.

Foreign Currency:

USD

6-Month SOFR (Secured Overnight Financing Rate for USD) +1% per annum.

EURO

6-Month EURIBOR (EURO Interbank Offered Rate for EURO) +1% per annum.

Others

Appropriate rates +1% (for other foreign currencies, Ref. Schedule-A, A-4 to Bid).

Sub-Clause 14.11.1(b)

Number of additional paper copies of draft Final Statements: **3**

[insert number of copies say six (06)]

Sub-Clause 14.15

Currencies of payment of Contract Price: **as stated in the Table Schedule of Adjustment Data of Schedule A (if Given)**

Sub-Clause 14.15(a)(i)

Proportions or amounts of Local and Foreign currencies: **as stated in the Table Schedule of Adjustment Data of Schedule A (if Given)**

Sub-Clause 14.15(c)

Currencies and proportions for payment of Delay Damages: **as stated in the Table Schedule of Adjustment Data of Schedule A (if Given)**

Sub-Clause 14.15(f)

rates of exchange: **as stated in the Table IV of Schedule A (If Given)**

Sub-Clause 17.2(d)

Forces of nature, the risks of which are allocated to the Contractor: **Nil**

Sub-Clause 19.1

Permitted deductible limits:

- i) insurance required for the Works: **Ten percent (10%) of loss amount on each & every loss**
- ii) insurance required for Goods: **Nil**
- iii) insurance required for liability for breach of professional duty: **Nil**
- iv) insurance required against liability for fitness for purpose (if any is required): **Nil**
- v) insurance required for injury to persons and damage to property: **Nil**
- vi) insurance required for injury to employees: **Nil**
- vii) other insurances required by Laws and by local practice : **Nil**

Periods for submission of insurance:

- a) evidence of insurance: Not later than the Commencement Date
- b) relevant policies: Within twenty eight (28) day from the Commencement Date

Sub-Clause 19.2.1(b)

Additional amount to be insured (as a percentage of the replacement value): 15% of the replacement value (Accepted Contract Amount)

Sub-Clause 19.2.2

Extent of insurance required for Goods: From Ex-Works (i.e., works, factory, warehouse, etc) to delivery at the Site

Amount of insurance required for Goods: Full replacement value

Sub-Clause 19.2.3(a)

Amount of insurance required for liability for breach of professional duty: Full replacement value of the Works to be designed by the Contractor

Sub-Clause 19.2.3(b)

Insurance required against liability for fitness for purpose: **Yes**

Sub-Clause 19.2.3

Period of insurance required for liability for breach of professional duty: Until the date of issuance of Performance Certificate

Sub-Clause 19.2.4

Amount of insurance required for injury to persons and damage to property: Injury to person and Fatal case: in accordance with Workmen Compensation Act

Damage to Property: The Amount of Insurance Required for Person Injury is 2000000

The Amount of Insurance Required for Damage to Property is 5000000 as per his assessment of the adjoining property(ies) other than the Works] without limit to the number of incidents

Sub-Clause 19.2.6

Other insurances required by Laws and by local practice: All insurances as applicable, to the extent of execution of the project, under Federal and Provincial laws of Islamic Republic of Pakistan

Sub-Clause 21.1

Time for appointment of the DAAB: Within 28 days from the Commencement Date.

In case the Accepted Contract Amount is lesser than PKR one (01) billion, appointment of the DAAB shall be made when Dispute arises between the Parties.

Sub-Clause 21.1

The DAAB shall comprise 1

[insert either "a sole Member" or "Three Members"]

[For a Contract estimated to cost above PKR 2.5billion, the DAAB shall comprise of three members. For a Contract estimated to cost between PKR1billion and PKR2.5billion, the DAAB may comprise of three members or a sole member. For a Contract estimated to cost less than PKR1billion, a sole member is recommended.]

Sub-Clause 21.1

List of proposed members of DAAB

- proposed by Employer

Dr. Shahid Mehmood

- proposed by Contractor

[to be inserted at the time of signing of the Contract]

1. _____

2. _____

3. _____

Sub-Clause 21.2

Appointing entity (official) for DAAB members Managing Director Public Procurement Regulatory Authority (PPRA) or Chairman Pakistan Engineering Council (PEC) from the list of PEC approved arbitrators published at its website

Sub-Clause 21.6

Rules of Arbitration: PEC Rules of Conciliation and Arbitration or Pakistan Arbitration Act of 1940, if the former is inactive.

The place of Arbitration shall be in the Employer's country: **Islamabad , Pakistan**

[Insert name of city]

Particular Conditions

PartB - Special Provisions

1.1 Definitions

1.1.76 "Specification"

Following is added at the end:

"and consists of two parts i.e.,

- i) "Part A - Specific Provisions"; and
- ii) "Part B - Technical Provisions".

1.2 Interpretation

"and" is deleted from the end of sub-paragraph (i) and added at the end of sub-paragraph (j).

Sub-paragraph (k) is added:

"(k) The word "tender" is synonymous with "bid" the word tenderer with "bidder", the words "tender documents" with "bidding documents" and "Schedule of Prices" with "Bill of Quantities", as applicable."

1.5 Priority of Documents The documents listed at (a) through (k) of this Sub-Clause are deleted and substituted with the following:

- (a) the Contract Agreement;
- (b) the Letter of Acceptance;
- (c) the Letter of Bid;
- (d) the Particular Conditions Part A - Contract Data;
- (e) the Particular Conditions Part B - SpecialProvisions;
- (f) the General Conditions;
- (g) the Specification Part A - SpecificProvisions;
- (h) the Specification Part B- Technical Provisions;
- (i) the Drawings;
- (j) the completed Schedules to Bid includingBillof Quantities;
- (k) the JV Undertaking (if the Contractor is a JV); and
- (l) any other documents forming part of the Contract.

The addenda/corrigenda, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

1.6 Contract Agreement

In the last line of the 1st paragraph the text "shall be borne by the Employer" is substituted by "shall be reimbursed by the Employer to the Contractor".

3.1 The Engineer

In sub-paragraph (a) the text "as defined in the Pakistan Engineering Council Act, 1975 (Act No.V of 1976)" are added after the words "professional engineer".

3.2 Engineer's Duties and Authority

The Engineer shall obtain the consent in writing of the Employer before taking action under the following Sub-Clauses of these Conditions:

- (a) Consenting to the subcontracting of any part of the Works under Sub-Clause 5.1 [Subcontractors]
- (b) Any action under Sub-Clauses 8.9 [Employer's Suspension] and 8.12 [Prolonged Suspension]
- (c) Issuance of "Taking Over Certificate" under Sub-Clause 10.1 [Taking Over the Works and Sections].
- (d) Issuing the "Performance Certificate" under Sub-Clause 11.9 [Performance Certificate].
- (e) Sub-Clause 13.1 [Right to Vary]: instructing a Variation, except;
 - (i) in an emergency situation as determined by the Engineer, or
 - (ii) if such a Variation would increase the Accepted Contract Amount by less than the percentage specified in the Contract Data.
- (f) Sub-Clause 13.3 [Variation Procedure]: approving a proposal for Variation submitted by the Contractor in accordance with Sub-Clause 13.3.2 [Variation by Request for Proposal] or 13.2 [Value Engineering].
- (g) Certifying release of second half of the Retention Money under Sub-Clause 14.9 [Release of Retention Money].
- (h) Issuing Final Payment Certificate under Sub-Clause 14.13 [Issue of FPC].
- (i)

Issue of FPC Sub Clauses

Determination

*[insert Sub-Clause number (not Sub-Clause 3.7 [Agreement or Determination])]

Any such requirement shall not be applied to any action by the Engineer under Sub-Clause 3.7 [Agreement or Determination], as stated in Sub-Clause 3.2 [Engineer's Duties and Authority] of the General Conditions.

Notwithstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibility under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Employer.

Following is added after the words "the Employer's consent is required" in 4th paragraph:
"stating that the Employer's consent has been obtained for that specified authority"

4.2 Performance Security

4.2.1 Contractor's Obligations

The entity issuing the Performance Security and its form shall be as under:

The Performance Security shall be, at the option of the Contractor, issued in the prescribed form included in the Bidding Documents, by (a) a Scheduled Bank in Pakistan or (b) a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan or (c) an Insurance Company listed in the Contract Data and rated by PACRA/VIS of ratings as provided in Table below:

Accepted Contract Amount (In Eq. PKR million)	Minimum Rating of Insurance Companies

Up to 1000	A (+)

1001 to no limit	AA

In case of Joint Venture, the Performance Security shall be in the name of the Joint Venture or in the name of Lead/either firm of the JV or in ratio of shares of the individual JV partners.

Following paragraph is added at the end of this Sub-Clause:

“The amount of Performance Security shall be reduced to 50% following issue of the Taking-Over Certificate for the whole of the Works under Clause 10 of Conditions of Contract.”

4.3 Contractor’s Representative

In second paragraph the text “professional engineer as defined in the Pakistan Engineering Council Act, 1975 (Act No. V of 1976) (having temporary licence in case of foreign engineer under Section 12 of the Pakistan Engineering Council Act, 1975 (Act No. V of 1976))” are added after the words “qualified, experienced”.

In the 3rd paragraph the words “28 days” are substituted by “14 days”. In 2nd line of 4th paragraph the text “or appoint a replacement” is substituted by “except appointment of a suitable temporary replacement is deployed at the Site”

4.4 Contractor’s Documents

4.4.2 As-Built Records

First paragraph is deleted and the text in the last paragraph is substituted with the following:

“The Contractor shall furnish to the Engineer 6 copies, one reproducible and one electronic copy (provided the Engineer has made available to the Contractor editable form of the Drawings) of all Drawings amended to conform to the Works as built. In case the Engineer does not make available to the Contractor editable form of the Drawings, the Contractor shall furnish to the Engineer as-built data for incorporation in the Drawings. Upon receipt of PDF versions of the as-built drawings prepared by the Engineer, the Contractor shall furnish to the Engineer 6 copies and one reproducible of these Drawings.

The price of such Drawings shall be deemed to be included in the Contract Price.”

Following Sub-Clause is added:

4.4.4 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not exceed 21 days and be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and the Engineer’s review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

4.8 Health and Safety Obligations

The following text is added at the end of this Sub-Clause:

In the event of work being carried out outside the normal working hours and in the event of work being carried out at night, the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer.

4.20 Progress Reports

At the end of sub-paragraph (g) the word “and” is deleted and at the end of sub-paragraph (h) the full stop (.) is replaced with “;”, and the following new sub-paragraphs are added as:

- (i) planned programme for the execution of the Works for next 56 days to enable the Engineer to determine its programme of inspection and testing;
- (j) monthly summary of daily job record indicating weather conditions, deployment of Contractor’s Equipment, labour employment, local material procurement and material import, if any; and
- (k) salient contractual and project information.

5.1 Subcontractors

Add the following text at the end of paragraph (ii):

“under Schedule to Bid”

The following is added at the end of the last paragraph of Sub-Clause 5.1:

“All subcontracts relating to the Works shall include provisions which entitle the Employer to require the subcontract to be assigned to the Employer under sub-paragraph (a) of Sub-Clause 15.2.3 [After Termination].

The Contractor shall give reasonable opportunity to contractors from Islamic Republic of Pakistan for subcontracts for the Works, and endeavour to employ such contractors as Subcontractors.”

5.2 Nominated Subcontractors

5.2.2 Objection to Nomination

In sub-paragraph (c), “and” is deleted from the end of (i);

“.” at the end of (ii) is replaced with: “, and”.

The following is then added as (iii):

“(iii) be paid only if and when the Contractor has received from the Employer payments for sums due under the Subcontract referred to under Sub-Clause 5.2.3 [Payment to nominated Subcontractors].”

6.1 Engagement of Staff and Labour

The following paragraph is added at the end of the Sub-Clause:

“The Contractor shall, to the extent practicable and reasonable, employ staff (not less than 50%) and labour (not less than 85%) with appropriate qualifications and experience from sources within the Islamic Republic of Pakistan.”

6.7 Health and Safety of Personnel

The existing text is substituted with the following:

“In order to provide for the safety, health and welfare of persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan with such modifications thereto as the Engineer may authorize or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose. The Contractor shall also provide all other medical services and appoint a health and safety officer at Site if stated in the Specifications. In case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means.”

6.8 Contractor’s Superintendence

Insert at the end of sub-paragraph (a) of this Sub-Clause:

"or, if not, the Contractor shall make competent interpreters available during all working hours, in a number sufficient for those persons to properly perform their superintendence duties"

The following text is added at the end of this Sub-Clause:

“The Contractor’s authorized representative and his other engineers working at site shall possess valid registration with the Pakistan Engineering Council.

The Contractor’s authorized representative at Site shall be authorized to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.”

6.12 Key Personnel

The following is inserted at the end of the last paragraph:

“If any of the Key Personnel are not fluent in this language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.”

The following Sub-Clauses 6.13 to 6.26 are added at the end of Sub-Clause 6.12:

6.13 Foreign Personnel

The Contractor may bring in to the Country any foreign personnel who are necessary for the execution of the Works to the extent allowed by the applicable Laws. The Contractor shall ensure that these personnel are provided with the required residence visas and work permits. The Employer will, if requested by the Contractor, use all reasonable endeavours in a timely and expeditious manner to assist the Contractor in obtaining any local, state, national, or government permission required for bringing in the Contractor's personnel.

The Contractor shall be responsible for the return of these personnel to the place where they were recruited or to their domicile. In the event of the death in the Country of any of these personnel or members of their families, the Contractor shall similarly be responsible for making the appropriate arrangements for their return or burial.

6.14 Supply of Foodstuffs

The Contractor shall arrange for the provision of a sufficient supply of suitable food as may be stated in the Specification at reasonable prices for the Contractor's Personnel for the purposes of or in connection with the Contract.

6.15 Supply of Water

The Contractor shall, having regard to local conditions, provide on the Site an adequate supply of drinking and other water for the use of the Contractor's Personnel.

6.16 Measures against Insect and Pest Nuisance

The Contractor shall at all times take the necessary precautions to protect the Contractor's Personnel employed on the Site from insect and pest nuisance, and to reduce the danger to their health. The Contractor shall comply with all the regulations of the local health authorities, including use of appropriate insecticide.

6.17 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Laws of the Country, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or allow importation, sale, gift, barter or disposal thereto by Contractor's Personnel.

6.18 Arms and Ammunition

The Contractor shall not give, barter, or otherwise dispose of, to any person, any arms or ammunition of any kind, or allow Contractor's Personnel to do so.

6.19 Festivals and Religious Customs

The Contractor shall respect the Country's recognized festivals, days of rest and religious or other customs.

6.20 Funeral Arrangements

The Contractor shall be responsible, to the extent required by local regulations, for making any funeral arrangements for any of its local employees who may die while engaged upon the Works.

6.21 Forced Labour

The Contractor, including its Subcontractors, shall not employ or engage forced labour which consists of any work or service, not voluntarily performed, that is exacted from an individual under threat of force or penalty, and includes any kind of involuntary or compulsory labour, such as indentured labour, bonded labour or similar labour-contracting arrangements.

6.22 Child Labour

The Contractor, including its Subcontractors, shall not employ or engage child labour in accordance with relevant law(s) in force in Islamic Republic of Pakistan.

6.23 Employment Records of Workers

The Contractor shall keep complete and accurate records of the employment of labour at the Site. The records shall include the names, ages, genders, hours worked and wages paid to all workers. These records shall be summarized on a monthly basis and submitted to the Engineer. These records shall be included in the details to be submitted by the Contractor under Sub-Clause 6.10 [Contractor's Records].

6.24 Workers' Organizations

The Contractor shall comply with the relevant labour laws of Pakistan which recognize workers' rights to form and to join workers' organizations/Trade Union of their choosing and to bargain collectively without interference.

6.25 Non-Discrimination and Equal Opportunity

The Contractor shall not make decisions relating to the employment or treatment of Contractor's Personnel on the basis of personal characteristics unrelated to inherent job requirements. The Contractor shall base the employment of Contractor's Personnel on the principle of equal opportunity and fair treatment, and shall not discriminate with respect to any aspects of the employment relationship, including recruitment and hiring, compensation (including wages and benefits), working conditions and terms of employment, access to training, job assignment, promotion, termination of employment or retirement, and disciplinary practices. Special measures of protection or assistance to remedy past discrimination or selection for a particular job based on the inherent requirements of the job shall not be deemed discrimination. The Contractor shall provide protection and assistance as necessary to ensure nondiscrimination and equal opportunity, including for specific groups such as women, persons with disabilities, migrant workers and children (of working age in accordance with Sub-Clause 6.22).

6.26 Epidemics

In the event of any out-break of illness of epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government or the local medical or sanitary authorities for the purpose of overcoming the same.

7.7 Ownership of Plant and Materials

The following is added before the first paragraph:

"Except as otherwise provided in the Contract,"

The following is added at the end of the Sub-Clause:

"No Plant and/or Materials that is the property of the Employer shall be removed from the Site. If it becomes necessary to:

- (i) remove any item of such Plant from the Site for the purposes of repair, the Contractor shall give a Notice, with reasons, to the Engineer requesting consent to remove the defective or damaged item off the Site. This Notice shall clearly identify the item of defective or damaged Plant, and shall give details of: the defect or damage to be repaired; the place to which defective or damaged item of Plant is to be taken for repair; the transportation to be used (and insurance cover for such transportation); the proposed inspections and testing off the Site; and the planned duration required before the repaired item of Plant shall be returned to the Site. The Contractor shall also provide any further details that the Employer may reasonably require; or
- (ii) replace any item(s) of such Plant and/or Materials, the Contractor shall give a Notice, with reasons, to the Engineer clearly identifying the item(s) of Plant and/or Materials to be replaced, and giving details of the

due date of delivery to the Site of the replacement item(s).

Where any item of Plant and/or Materials has become the property of the Employer under this Sub-Clause before it has been delivered to the Site, the Contractor shall ensure that such an item is not moved except for its delivery to the Site.

The Contractor shall indemnify and hold the Employer harmless against and from the consequences of any defect in title or encumbrance or charge (except any reasonable restriction arising from the intellectual property rights of the manufacturer or producer) on any item of Plant and/or Materials that has become the property of the Employer under this Sub-Clause."

The following Sub-Clause 7.9 is added after Sub Clause 7.8:

7.9 Use of Pakistani Materials and Services

The Contractor shall, so far as may be consistent with the Contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

8.1 Commencement of Works

The following is added before the first paragraph:

"After signing of the Contract Agreement by both Parties," and thereafter the word "The" is replaced with the word "the".

8.5 Extension of Time for Completion

The following is added after paragraph (c):

"for last five years".

The following Sub-Clause 8.14 is added after Sub-Clause 8.13:

8.14 Incentives For Early Completion

If Contract Data does not state applicability of incentives for early completion, this Sub-Clause shall not apply.

The Contractor shall be entitled subject to Sub-Clause 20.2 [Claims for Payment and/or EOT] to bonus payment if the Works and/or each Section is completed earlier than the Time for Completion for the Works or Section (as the case may be). The amount of bonus for early completion of the Works and/or each Section shall be up to a limit and at a rate to 50% of the relevant limit and rate of delay damages prescribed in Contract Data and shall be paid for every day which shall elapse between the relevant Date of Completion of the Works or Section and the relevant Time for Completion.

For the purposes of calculating any bonus payment, the applicable Time for Completion stated in the Contract Data is fixed and no adjustments of this time by reason of granting an EOT will be allowed.

The following Sub-Clause 11.12 is added after Sub-Clause 11.11:

11.12 Supervisory Assistance During DNP

If provided under the Schedule of Prices, the Contractor shall provide supervisory assistance to the Employer during the DNP for the Works. Such supervisory assistance shall be as described in the Specification for the purpose of supporting the Employer's operation and maintenance of the Plant for the period specified in the Schedule of Prices after the Date of Completion.

12.2 Method of Measurement

The following paragraph is added at the end of the Sub-Clause:

"Summary of measured quantity for payment shall be delineated item-wise under four heads namely; "Schedule of Prices Quantity", "Quantity Executed To-date", "Quantity Certified Previously" and "Net

Quantity Executed under this Certificate”.

12.3 Valuation of the Works

The following text is added at the end of fifth paragraph of the Sub-Clause:

“Sum of overhead charges and profit for sub-paragraph (a) shall be Twenty Five percent (25%)”.

13.4 Provisional Sums

The following paragraph is inserted as the penultimate paragraph:

“The Provisional Sum shall be used to cover the Employer’s share of the DAAB members’ fees and expenses, in accordance with Clause 21. No prior instruction of the Engineer shall be required with respect to the work of the DAAB. The Contractor shall submit the DAAB members’ invoices and the satisfactory evidence of having paid 100% of such invoices as part of the substantiation of those Statements submitted under Sub-Clause 14.3.

13.6 Adjustments for Changes in Laws

The following paragraphs are added at the end of the Sub-Clause:

“Notwithstanding the foregoing, the Contractor shall not be entitled to an extension of time if the relevant delay has already been taken into account in the determination of a previous extension of time and such Cost shall not be separately paid if the same shall already have been taken into account in the indexing of any inputs to the Table of Adjustment Data in accordance with the provisions of Sub-Clause 13.7 [Adjustments for Changes in Cost].”

14.1 The Contract Price

The following is added at the end of the Sub-Clause:

“Notwithstanding the provisions of subparagraph (b), Contractor's Equipment, including essential spare parts, imported by the Contractor for the sole purpose of executing the Contract shall be temporarily exempt from the payment of import duties and taxes upon initial importation, provided the Contractor shall post with the customs authorities at the port of entry an approved re-export bond or bank guarantee, valid until the Time for Completion plus six months, in an amount equal to the full import duties and taxes which would be payable on the assessed imported value of such Contractor's Equipment and spare parts, and callable in the event the Contractor's Equipment is not re-exported from the Country on completion of the Contract. A copy of the bond or bank guarantee endorsed by the customs authorities shall be provided by the Contractor to the Employer upon the importation of individual items of Contractor's Equipment and spare parts. Upon re-export of individual items of Contractor's Equipment or spare parts, or upon the completion of the Contract, the Contractor shall prepare, for approval by the customs authorities, an assessment of the residual value of the Contractor's Equipment and spare part to be re-exported, based on the depreciation scale(s) and other criteria used by the customs authorities for such purposes under the provisions of the applicable Laws. Import duties and taxes shall be due and payable to the customs authorities by the Contractor on (a) the difference between the initial imported value and the residual value of the Contractor's Equipment and spare parts to re-exported; and (b) on the initial imported value of the Contractor's Equipment and spare parts remaining in the Country after completion of the Contract. Upon payment of such dues within 28 days of being invoiced, the bond or bank guarantee shall be reduced or released accordingly; otherwise the security shall be called in the full amount remaining.”

[The Employer may change or delete this Sub-Clause as per Project requirements]

14.2 Advance Payment

14.2.1 Advance Payment Guarantee

The entity issuing the Advance Payment Guarantee and its form shall be as under:

The Advance Payment Guarantee shall be in the form of Guarantee issued by (a) a Scheduled Bank in

Pakistan or (b) a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan or (c) an Insurance Company listed in the Contract Data and rated by PACRA/VIS or rating as provided in Table below:

Accepted Contract Amount (In Eq. million PKR) Minimum Rating of Insurance Companies

Up to 1000 A (+)

1001 to no limit AA

In case of Joint Venture, the Advance Payment Guarantee(s) shall be in the name of the Joint Venture or in the name of Lead/either firm of the JV or in ratio of shares of the individual JV partners.

14.6 Issue of IPC

14.6.1 The IPC

In the first line of the 1st paragraph the words “28 days” are substituted by “14 days”.

14.7 Payment

The words “or through crossed cheque in favour of the Contractor or JV partners. The Payment to JV partners shall be made at the request of the Joint Ventures in the ratio of their shares specified by them” are added at the end of the Sub-Clause.

14.8 Delayed Payment

In the first paragraph, third line, the words “compounded monthly” are deleted.

The text of 2nd paragraph is deleted and substituted with the following:

“The Employer shall pay to the Contractor compensation at the rate stated in the Contract Data.”

14.9 Release of Retention Money

The following is added at the end of Sub-Clause 14.9:

“Unless otherwise stated in the Contract, when the Taking-Over Certificate has been issued for the Works and the first half of the Retention Money has been certified for payment by the Engineer, the Contractor shall be entitled to substitute a guarantee, in the form annexed to the Particular Conditions or in another form approved by the Employer and issued by a schedule bank selected by the Contractor, for the second half of the Retention Money. The Contractor shall ensure that the guarantee is in the amounts and currencies of the second half of the Retention Money and is valid and enforceable until the Contractor has executed and completed the Works and remedied any defects, as specified for the Performance Security. On receipt by the Employer of the required guarantee, the Engineer shall certify, and the Employer shall pay the second half of the Retention Money. The release of the second half of the Retention Money against a guarantee shall then be in lieu of the release after the latest of the expiry dates of the Defects Notification Periods. The Employer shall return the guarantee to the Contractor within 21 days after receiving a copy of the Performance Certificate.

If the Performance Security required under Sub-Clause 4.2 is in the form of a demand guarantee, and the amount guaranteed under them when the Taking-Over Certificate is issued is more than half of the Retention Money, then the Retention Money guarantee will not be required. If the amount guaranteed under the Performance Security when the Taking-Over Certificate is issued is less than half of the Retention Money, the Retention Money guarantee will only be required for the difference between half of the Retention Money and the amount guaranteed under the Performance Security.

15.2 Termination for Contractor’s Default

15.2.1 Notice

Following text is added at the end of sub-paragraph (h) of this Sub-Clause:

“For the purposes of this Contract, corrupt and fraudulent practices have been defined in Public Procurement Rules 2004.”

15.2.3 After Termination

The word “and” at the end of sub-paragraph (ii) of paragraph (b) is deleted the following paragraph is added after sub-paragraph (iii):

“(iv) all Employer-Supplied Materials and/or Employer's Equipment made available to the Contractor in accordance with Sub-Clause 2.6 [Employer-Supplied Materials and Employer's Equipment], and”

15.4 Payment after Termination

The following text is added at the end of this Sub-Clause:

“The Employer shall be entitled to sell any of the Contractor's Equipment, Temporary Works and unused materials and apply the proceeds of sale towards payment of any debt due from the Contractor to the Employer under this Clause including any outstanding payments to the Subcontractors.

16.2 Termination by Contractor

16.2.1 Notice

The sub-paragraph (j) is deleted in its entirety.

At the end of sub-paragraph (i) “; or” is replaced with “.” and at the end of sub-paragraph (h) “;” is replaced with “; or”.

In sub-paragraph (f) “84 days” are replaced with “180 days” and text “for reasons not attributable to the Contractor” is added at the end.

16.3 Contractor's Obligations After Termination

Sub-paragraph (c) is deleted and replaced with:

“(c) deliver to the Engineer all Employer-Supplied Materials and/or Employer's Equipment made available to the Contractor in accordance with Sub-Clause 2.6 [Employer-Supplied Materials and Employer's Equipment]; and

(d) remove all other Goods from the Site, except as necessary for safety, and leave the Site.”

17.1 Responsibility for Care of the Works

After the two instances of “Goods” in the last paragraph, the words “Employer-Supplied Materials and/or Employer's Equipment” are added.

The following Sub-Clause 17.7 is added after Sub-Clause 17.6:

17.7 Use of Employer's Accommodation/Facilities

The Contractor shall take full responsibility for the care of the items of the Employer's facilities and/or accommodation, if any, as detailed in the Specification, from the date of use and/or occupation by the Contractor until the date on which such use and/or occupation is re-vested in the Employer.

If any loss or damage happens to any of the above items during a time while the Contractor is responsible for its care, arising from any cause other than a cause for which the Employer is responsible or liable, the Contractor shall promptly rectify the loss or damage at the Contractor's risk and cost.

18.1 Exceptional Events

The words “or disorder” are replaced with “disorder or sabotage” in sub-paragraph (c) of the Clause.

18.4 Consequences of an Exceptional Event

The following is added at the end of sub-paragraph (b) after deleting the “.”:

“, including the costs of rectifying or replacing the Works and/or Goods damaged or destroyed by Exceptional Events, to the extent they are not indemnified through the insurance policy referred to in Sub-

Clause 19.2 [Insurance to be provided by the Contractor].”

18.5 Optional Termination

In sub-paragraph (c), the words “and necessarily” are added after the words “was reasonably”.

19.1 General Requirements

Following text is added at the end of first paragraph:

“The Contractor shall immediately after the date of the Letter of Acceptance submit the draft of insurance policies for the Employer’s consent.”

Following text is added at the end of third paragraph:

“The Contractor shall, within the respective periods stated in the Contract Data submit to the Engineer and the Employer a) evidence that the insurances described in this Clause have been effected, and b) copies of policies of the insurances described in Sub-Clauses 19.2.1, 19.2.4 and 19.2.5.”

19.2 Insurance to be provided by the Contractor

19.2.5 Injury to employees

The words “sickness, disease” are deleted in the third line of first paragraph.

The following Sub-Clause is added after Sub-Clause 19.2.6:

19.2.7 Insurance Company

“The Contractor shall be obliged to place all insurances described in this Clause with insurers listed in the Contract Data and rated by PACRA/VISO rating as provided in Table below:

Accepted Contract Amount (In Eq. million PKR)	Minimum Rating of Insurance Companies
Up to 1000	A (+)
1001 to no limit	AA

21.6 Arbitration

The word “international” is deleted in the sixth line of first paragraph. The text of sub-paragraph (a) is substituted with the following:

“the Dispute shall be finally settled under the Rules of Arbitration, specified in the Contract Data;”

The following Clauses are added after Clause 21

22 Custom Duty

[Employer may incorporate provisions where applicable. However, in order to make the bid more balanced, the payment of Customs Duties should be the responsibility of the Employer.]

23 Taxes

The Contractor, Subcontractors and their employees shall be liable to pay income tax, withholding tax, super tax and other taxes on income arising out of the Contract. The rates and prices as stated in the contract shall be deemed to cover all such taxes.

24 Integrity Part

If it is found and established at any stage that the Contractor or any of his Subcontractors, agents or servants have violated or involved in violation of the Integrity Pact signed by the Contractor then the Employer shall be entitled to :

(a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder’s fee or kickback given by the Contractor or any of his Subcontractors, agent or

servants;

(b) terminate the Contract; and

(c) recover from the Contractor any loss or damage to the Employer as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agent or servants.

The termination under sub-paragraph(b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clause 15.1 to 15.4 and the payment under Sub-Clause 15.4 shall be made after having deducted the amounts due to the Employer under sub-paragraph(a) and (c) of this Sub-Clause.

Appendix General Conditions of Dispute Avoidance/Adjudication Agreement

12 Disputes Under DAAB Agreement

In the first paragraph, third, fourth and fifth line, the text “under the Rules of Arbitration of the International Chamber of Commerce 2017.....shall apply” is substituted with “under the Arbitration Act 1940 by sole arbitrator appointed by the Managing Director Public Procurement Regulatory Authority or Chairman Pakistan Engineering Council.”





Bid Securing Declaration

FORM OF BID SECURING DECLARATION

Date:

No.:

Alternative No.: **P63434**

To: **Capital Development Authority (Works Directorate), Dy. Director (Works-II), CDA Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, 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:

- (a) have withdrawn our Bid during the period of Bid validity specified in the Letter of Bid; or
- (b) having been notified of the acceptance of our Bid by the Procuring agency/Employer during the period of Bid validity, (i) fail or refuse to sign the Contract; or (ii) fail or refuse to furnish the Performance Security (or guarantee), if required, in accordance with the ITB.

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 days after the expiration of our Bid.

Name of the Bidder*

Name of the person duly authorized to sign the Bid on behalf of the Bidder** _____

Title of the person signing the Bid _____

Signature of the person named above _____

Date signed _____ day of _____, _____

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

**: Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid

[Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all members to the Joint Venture that submits the Bid.]



Contract Form

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the “Agreement”) made on the _____ day of _____ (month) 20____ between **Capital Development Authority (Works Directorate), Dy. Director (Works-II), CDA Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, Islamabad** (hereinafter called the “Employer”) of the one part and _____ (hereinafter called the “Contractor”) of the other part.

WHEREAS the Employer is desirous that certain Works, viz., **WELLNESS COMPLEX MINISTER'S ENCLAVE, ISLAMABAD. (P63434)** should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents, in the order of priority, after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement:
 - a) This Contract Agreement;
 - b) The Letter of Acceptance;
 - c) The Letter of Bid;
 - d) The Particular Conditions Part A - Contract Data;
 - e) The Particular Conditions Part B - SpecialProvisions;
 - f) The General Conditions;
 - g) The Specifications Part A - SpecificProvisions;
 - h) The Specifications Part B- Technical Provisions;
 - i) The Drawings;
 - j) The Completed Schedules to Bid including Schedule of Prices;
 - k) the JV Undertaking (if the Contractor is a JV); and
 - l) [Employer to insert any other documents forming part of the Contract]

The addenda/corrigenda,if any, (Excluding part relating to Instructions to Bidders alongwith Bidding Data) shall be deemed to have been incorporated at the appropriate places in the “Documents forming the Contract”.

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor Signature of Employer

(Seal) (Seal)

Signed, Sealed and Delivered in the presence of:

Witness Witness

(Name, Title and Address) (Name, Title and Address)



DAAB Agreement

[All italicised text and any text within square brackets (except sub-clause headings) in this form of agreement is for use in preparing the form and should be deleted from the final product].

Name and details of the Contract WELLNESS COMPLEX MINISTER'S ENCLAVE, ISLAMABAD.

This Agreement made the _____ day of _____ [month], _____ [year], between

Name and contact details of the Employer **Capital Development Authority (Works Directorate), Dy. Director (Works-II), CDA**

Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, Islamabad

+92-334-856-6622

ammarpavero@gmail.com

Name and contact details of the Contractor _____ (name)

_____ (address)

_____ (telephone)

_____ (email / other contact details);

Name and contact details of the DAAB Member _____ (name)

_____ (address)

_____ (telephone)

_____ (email / other contact details);

("DAAB Agreement")

Whereas:

A. the Employer and the Contractor have entered (or intend to enter) into the Contract;

B. under the Contract, the "DAAB" or "Dispute Avoidance/Adjudication Board" means the sole member or three members (as stated in the Contract Data of the Contract) so named in the Contract, or appointed under Sub-Clause 21.1 [Constitution of the DAAB] or Sub-Clause 21.2 [Failure to Appoint DAAB Members] of the Conditions of Contract;

C. the Employer and the Contractor desire jointly to appoint the above-named DAAB Member to act on the DAAB as:

a. the sole member of the DAAB, and where this is the case, all references to the "Other Members" do not apply; or

b. one of three members / chairman [delete the one which is not applicable] of the DAAB and, where this is the case, the other two persons are:

_____ (name) _____ (name)

_____ (address) _____ (address)

_____ (telephone) _____ (telephone)

_____ (email/ other contact details) _____ (email/other contact details)

the “**Other Members**”; and

D. the DAAB Member accepts this appointment.

The Employer, Contractor and DAAB Member jointly agree as follows:

1. The conditions of this DAAB Agreement comprise:

(a) Clause 21 [Disputes and Arbitration] of the Conditions of Contract, and any other provisions of the Contract that are applicable to the DAAB’s Activities; and

(b) the “General Conditions of Dispute Avoidance/Adjudication Agreement”, which is appended to the General Conditions of the “Conditions of Contract for Construction” Second Edition 2017 published by FIDIC (“GCs”), as amended and/or added to by the following provisions.

2. [Details of amendments to the GCs, if any. For example:

In the procedural rules annexed to the GCs, Rule _ is deleted and replaced by: “ ... “]

3. The DAAB Member shall be paid in accordance with Clause 9 of the GCs. The currency of payment shall be _____.

In respect of Sub-Clauses 9.1 and 9.2 of the GCs, the amounts of the DAAB Member’s monthly fee and daily fee shall be:

monthly fee _____ per month, and

daily fee of _____ per day

(or as otherwise set under Sub-Clause 9.3 of the GCs).

4. In consideration of the above fees, and other payments to be made to the DAAB Member in accordance with the GCs, the DAAB Member undertakes to act as DAAB Member in accordance with the terms of this DAAB Agreement.

5. The Employer and the Contractor shall be jointly and severally liable for the DAAB Member’s fees and other payments to be made to the DAAB Member in accordance with the GCs.

6. This DAAB Agreement shall be governed by the law of _____ (if not stated, the law that governs the Contract under Sub-Clause 1.4 of the Conditions of Contract).

SIGNED by: _____ SIGNED by: _____ SIGNED by: _____

Print name: _____ Print name: _____ DAAB Member

Title: _____ Title: _____ Title: _____

for and on behalf of the

Employer for and on behalf of the

Contractor

in the presence of in the presence of in the presence of

Witness: _____ Witness: _____ Witness: _____

Name: _____ Name: _____ Name: _____

Address: _____ Address: _____ Address: _____

Date: _____ Date: _____ Date: _____

EPADS

FORM OF MOBILIZATION ADVANCE GUARANTEE/ BOND

Guarantee No. _____ Date _____

WHEREAS _____ (hereinafter called the 'Employer')

has entered into a Contract for _____

(Particulars of Contract)

with _____ (hereinafter called the "Contractor").

AND WHEREAS, the Employer has agreed to advance to the Contractor, at the Contractor's request, an amount of Pak Rupees _____ (PKR _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Employer has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____

(hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Employer agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Employer for payment not exceeding the aforementioned amount.

Notice in writing of any default, on the part of the Contractor, of which the Employer at his discretion of making decision, shall be given by the Employer to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until _____ whichever is earlier.

(Date)

The Guarantor's liability under this Guarantee shall not in any case exceed the sum of PKR _____ (Pak Rupees _____).

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor

agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

Guarantor
(Scheduled Bank/ Insurance Company)

Signature _____

Name _____

Title _____

WITNESS:

1. _____

Corporate Secretary (Seal) Corporate Guarantor (Seal)
2. _____

Name, Title & Address



Retention Money Security Demand Guarantee

_____ [Guarantor letterhead or SWIFT identifier code]

Beneficiary: _____ [Insert name and Address of Employer]

Date: _____ [Insert date of issue]

RETENTION MONEY 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 Contractor") has entered into Contract No. _____ [insert reference number of the contract] dated _____ with the Employer, 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, the Employer retains moneys up to the limit set forth in the Contract ("the Retention Money"), and that when the Taking-Over Certificate has been issued under the Contract and the first half of the Retention Money has been certified for payment, payment of [insert the second half of the Retention Money or if the amount guaranteed under the Performance Guarantee when the Taking-Over Certificate is issued is less than half of the Retention Money, the difference between half of the Retention Money and the amount guaranteed under the Performance Security and, if required, the ES Performance Security] is to be made against a Retention Money 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] () [amount in words] upon receipt by us of the Employer'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 that the Applicant is in breach of its obligation(s) under the Contract, without your needing to prove or show grounds for your demand or the sum specified therein.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Employer's bank stating that the second half of the Retention Money as referred to above has been credited to the contractor on its account number _____ at _____ [insert name and address of Contractor's bank].

This guarantee shall expire no later than the day of, 2..., and any demand for payment under it must be received by us at the office indicated above on or before that date.

[signature(s)]

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



Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE 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 times 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.

Name of Employer:

Signature:

[Seal]

Name of Bidder/Contractor:

Signature:

[Seal]



Performance Guarantee Form

FORM OF PERFORMANCE SECURITY

Guarantee No. _____

Executed on _____

Expiry date _____

Name _____ of _____ Guarantor _____ with _____ address: _____

Name _____ of _____ Principal _____ (Contractor) _____ with
address: _____

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

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the **Capital Development Authority (Works Directorate), Dy. Director (Works-II), CDA Office # 26, 1st Floor, Block-III, CDA Secretariat, G-7/4, Islamabad** (hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Employer's above said Letter of Acceptance for _____

(Name of Contract) for the **WELLNESS COMPLEX MINISTER'S ENCLAVE, ISLAMABAD. (P63434)**

_____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 11, Defects After Taking Over, of Conditions of Contract are fulfilled.

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

We, _____ (the Guarantor), waiving all objections and defense under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated

above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

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

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

Guarantor

(Schedule Bank/ Insurance Company)

Signature: _____

Name: _____

Title: _____

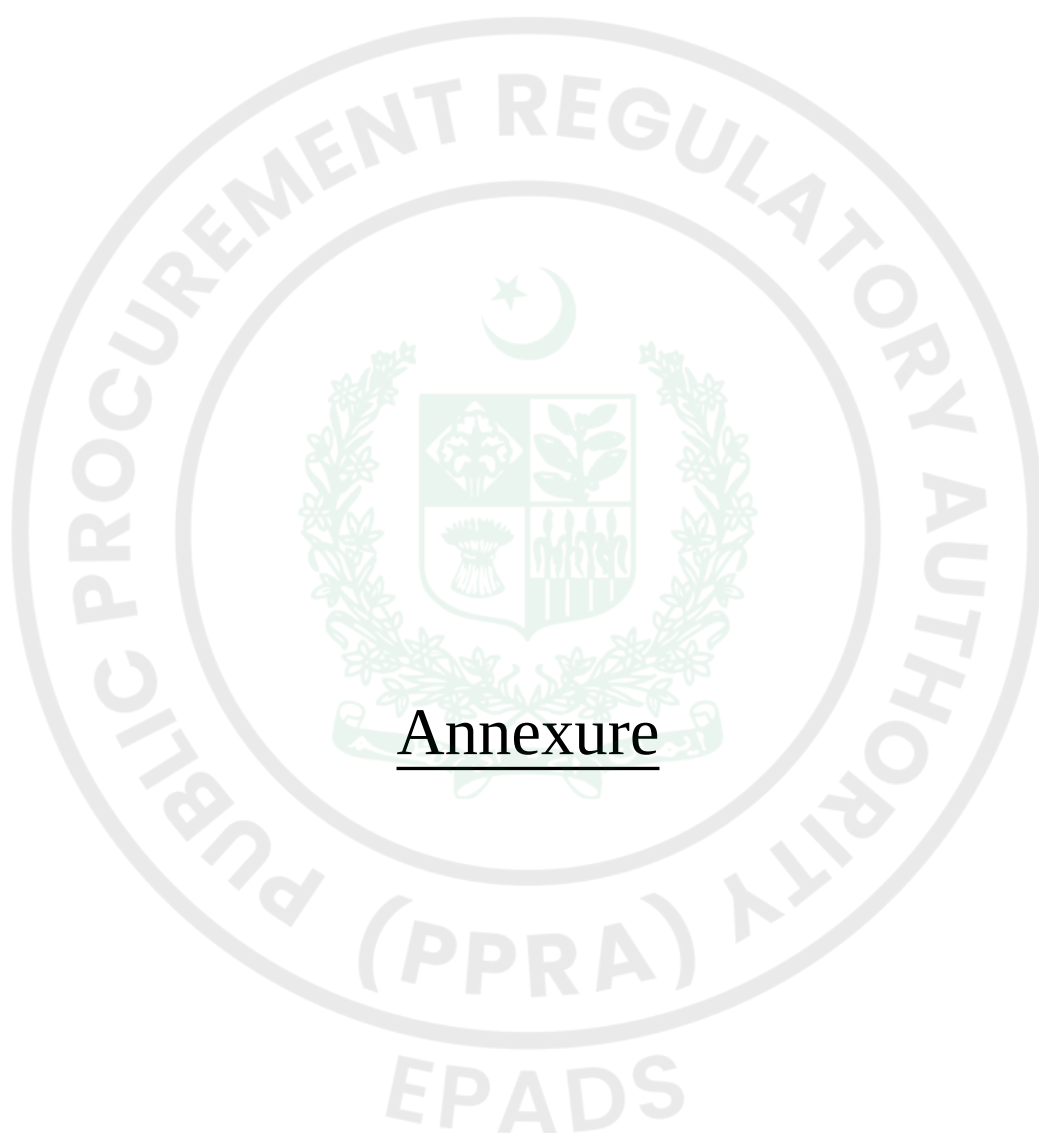
Corporate Guarantor (Seal)

WITNESS:

1. _____

2. _____

Name, Title & Address



Annexure

Abstart of Cost

The bidder is required to submit Abstract of Cost.

Financial Submission (Vendor)

Document Required

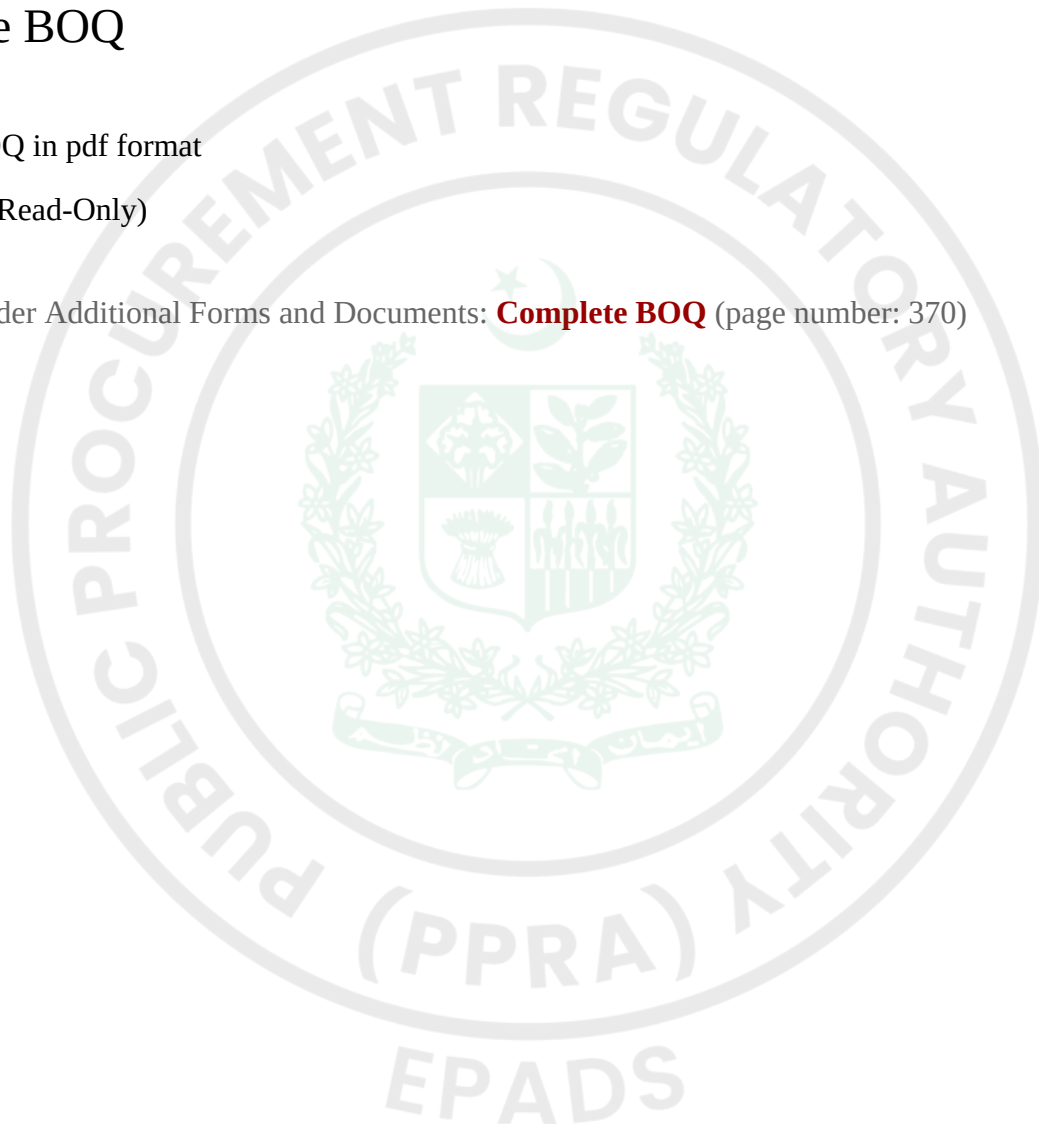
See Form Under Additional Forms and Documents: **Abstart of Cost** (page number: 369)

Complete BOQ

Complete BOQ in pdf format

Information (Read-Only)

See Form Under Additional Forms and Documents: **Complete BOQ** (page number: 370)





Procurement Forms

Past Construction Experiences

See Form Under Additional Forms and Documents: **Past Construction Experiences** (page number: 482)

Contractor's Key Personnel Representative and Their Schedules

See Form Under Additional Forms and Documents: **Contractor's Key Personnel Representative and Their Schedules** (page number: 488)

Financial Resources

See Form Under Additional Forms and Documents: **Financial Resources** (page number: 492)

Past Experience and Completed Contracts

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 493)

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

See Form Under Additional Forms and Documents: **Historical Contract Non-Performance, and Pending Litigation and Litigation History** (page number: 494)

Current Contracts and Their Progress

See Form Under Additional Forms and Documents: **Current Contracts and Their Progress** (page number: 496)

Financial Capacity and Net Worth Evaluation Form

See Form Under Additional Forms and Documents: **Financial Capacity and Net Worth Evaluation Form** (page number: 497)

Average Annual Turnover

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 499)





Additional Forms and Documents

BILL OF QUANTITIES

ABSTRACT OF COST

Bidder shall quote Bid Cost in Percentage (above / below) of Estimated Cost in the respective sub heads of the following table:

SR #	DESCRIPTION	AMOUNT (Rs.)
1	ESTIMATED COST BASED ON MRS, 1 st BI-ANNUAL-2026 RAWALPINDI	211,152,716/-
	Percentage (Above/Below) (Rs.)	
	Rs. (A)	
2	Estimated Cost on Non-Schedule	185,430,324/-
	Percentage (Above/Below) (Rs.)	
	Rs. (B)	
3	Provisional Sum	100,000,000/-
	Percentage (Above/Below) (Rs.)	
	Rs. (C)	
	Total N.I.T Cost	
		In figures
	Total Bid Cost Rs. (A+B+C)	In words

Contractor's Signature/Seal

Note: -

(i) Contractors are required to give separate bids in figures as well as in words for Schedule & Non-Schedule items Above/Below on each part of the tender.

Name of Firm/Contractor:- _____

Address of the Firm/Contractor:- _____

Call Deposit Amount & Date: _____

Name of Bank from Issued_____

Ref. No.	Description	Unit	Qty	Rate	Rate in Words	Amount
RECEPTION/BILLIARD/TABLE-TENNIS						
CIVIL WORKS						
EARTH WORK (EXCAVATION & EMBANKMENT)						
03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	2.7	12266.7		33,120.09
03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	1.44	8155.5		11,743.92
	ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	1.86	17545.5		32,634.63
06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.					
(h)	Ratio 1:3:6	100 Cft	0.26	40827.38		10,615.12
(i)	Ratio 1:4:8	100 Cft	9.56	35592.28		340,262.20
06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).					
	a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects. including all lead and lift.					
	(2) Type B (nominal mix 1:1½: 3)	Per Cft	2045	853.53		1,745,468.85

	(b) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects: including all lead and lift.					
	(2) Type B (nominal mix 1:1½: 3)					
	(i) Upto 9" thick (Avg)	Per Cft	68	823.28		55,983.04
	(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-including all lead and lift.					-
	(2) Type B (nominal mix 1: 1½: 3)	Per Cft	762	700.58		533,841.96
06-12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).					-
	(b) Deformed bars					-
	ii) Grade-60	100kg	118.7	28479.6		3,380,528.52
BRICK WORK						
07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	16.67	42181.95		703,173.11
ROOFING						
09-15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	4	1228.55		4,914.20
09-35 (iii)	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- iii) Thermopore sheet 1" (25 mm) thick	100 Sft	17.33	19751.6		342,295.23

09-46	Providing and applying torch-on plain water proofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge a) Plain					-
	i) 3 mm thick	Per Sft	1733	125.15		216,884.95
09-48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent),hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc:complete in all respects as approved and directed by the Engineer Incharge					-
	iv) 12 mm thick	Per Sft	1535	182.25		279,753.75
FLOORING						
06-02	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	100Cft	7.28	14076.5		102,476.92
10-14	Cement concrete tiles laid in 1:2 cement mortar, over ¾" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	5.76	21668.65		124,811.42
10-46-a	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over ¾"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (iv) 600mmx 1200 mm (24"x48")	Per Sft	1535	501.05		769,111.75

10-36	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge					-
	a) Full body Glazed tiles					-
	(iv) 600mmx 1200 mm (24"x48")	Per Sft	613	501.2		307,235.60
10-47	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. ii) 3/4" thick (12"x24"/12"x36")	Per Sft	120	538		64,560.00
10-48	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Risers/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	66	2015.75		133,039.50
10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandum disc as approved and directed by the Engineer Incharge.	Per Rft	42	39.9		1,675.80
SURFACE RENDERING						
11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height: b) ½" (13 mm) thick	100 Sft	37.21	4923.45		183,201.57
11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) ¾" (20 mm) thick	100 Sft	23.72	6585.35		156,204.50

11-12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height. b) 1:3	100 Sft	0.58	5624.75		3,262.36
DOORS AND WINDOWS						
12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	3	4569.55		13,708.65
12-30	Providing and fixing approved quality rim lock adjustable over the style surface	Each	4	1680		6,720.00
12-13	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	81	916.45		74,232.45
12-18	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C. windows, including holdfast, etc					-
	b) Deodar wood	Per Sft	81	1075.45		87,111.45

25-50	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors 1.6mm, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of specified thickness tempered glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in-charge. ii) 8mm thick Glass	Per Sft.	123	1799.55		221,344.65
25-55	providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop or approved equivalent manufacturer having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing one side Tinted and one side clear double glass, and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge. b) 6mm thick Glass	Per Sft.	628	2764.35		1,736,011.80
25-52	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft.	316	538.3		170,102.80
PAINTING AND VARNISHING						
13-31	Preparing surface and painting emulsion paint :					-
	a) 1st coat	100 Sft	37.79	1760.75		66,538.74
	b) 2nd & each subsequent coat.	100 Sft	75.58	1361.75		102,921.07

13-33, 13-31	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: upto 20' heigh					-
	i) 1st coat	100 Sft	180	5271		948,780.00
	ii) 2nd & each subsequent coat.	100 Sft	360	3038.4		1,093,824.00
13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	13.27	2821.7		37,443.96
IRON WORKS						
MISCELLANEOUS						
26-43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	Sft	5638	12.7		71,602.60
NON-SCHEDULED ITEM						
NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	615	110		67,650.00

NSI-02	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Each	3	50000		150,000.00
NSI-03	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	1186	440		521,840.00
NSI-04	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects.	Sft	1186	2500		2,965,000.00

CAFÉ						
CIVIL WORKS						
EARTH WORK (EXCAVATION & EMBANKMENT)						
03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	5.12	12266.7		62,805.50
03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	3	8155.5		24,466.50
ii)	ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	0.25	17545.5		4,386.38
CONCRETE						
06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.					-
(h)	Ratio 1:3:6	100 Cft	0.3	40827.38		12,248.21
(i)	Ratio 1:4:8	100 Cft	14.06	35592.28		500,427.46
06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).					-
	a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects. including all lead and lift.					-
	(2) Type B (nominal mix 1:1½: 3)	Per Cft	11091.3	853.53		9,466,782.89
	(3) Type C (nominal mix 1: 2: 4)	Per Cft	54	778.78		42,054.12

	(b) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects: including all lead and lift. (Water Tank Walls)					-
	(2) Type B (nominal mix 1:1½: 3)					-
	(i) Upto 9" thick (Avg)	Per Cft	230	823.28		189,354.40
	(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-including all lead and lift.					-
	(2) Type B (nominal mix 1: 1½: 3)	Per Cft	1527	700.58		1,069,785.66
06-12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).					-
	(b) Deformed bars					-
	ii) Grade-60	100kg	549	28479.6		15,635,300.40
06-32	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.					-
	ii) 10 mm thick	Rft	60	816		48,960.00
BRICK WORK						
07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	119.08	42181.95		5,023,026.61
07-06-i	Pacca brick work in 1:4 C/S mortar.'Add extra labour on item No. 5 for brickwork i	100 Cft	20.77	1793.45		37,249.96
ROOFING						
09-15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	4	1228.55		4,914.20

09-35 (iii)	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- iii) Thermopore sheet 1" (25 mm) thick	100 Sft	24.04	19751.6		474,828.46
09-46	Providing and applying torch-on plain water proofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge a) Plain					-
	i) 3 mm thick	Per Sft	2404	125.15		300,860.60
09-48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent),hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc:complete in all respects as approved and directed by the Engineer Incharge					-
	iv) 12 mm thick	Per Sft	1809	182.25		329,690.25

09-50	Providing and fixing Drywall Partition (4" thick) which consist of Gypsum Board sheet screwed to G.I Track U Channel (72mm x 32mm x 32mm x 0.50mm thick) fixed at top & bottom and G.I Studs (C-Channel) size (70mm x 34mm x 36mm x 0.50mm thick) equal vertical interval @ 2' C/C fit within the channel sections to form the frame work, including 12mm gypsum board (confirming to ASTM 1396) on both sides with infill insulation material (rockwool) i/c of jointing compound, self adhesive fiberglass tape for covering the joints between the drywall panels, corner angle bead, Smart Screws (3.5mm x 25mm), flex metal corner tape, for smooth and homogeneous look, grinding the exposed compound with abrasive paper, complete in all respects, as per specification and as approved by the Engineer incharge	Per Sft	138	464.65		64,121.70
FLOORING						
06-02	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100Cft	9.56	14076.5		134,571.34
10-14	Cement concrete tiles laid in 1:2 cement mortar, over ¾" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	6.48	21668.65		140,412.85
10-35	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 1/2"(13 mm) thick	100 Sft	4.5	20075.65		90,340.43
10-46-a	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over ¾"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (iv) 600mmx 1200 mm (24"x48")	Per Sft	4500	501.05		2,254,725.00

10-36	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge					-
	a) Full body Glazed tiles					-
	(iv) 600mmx 1200 mm (24"x48")	Per Sft	1946	501.2		975,335.20
10-47	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortor i/c the cost of matching sealer,cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. ii) 3/4" thick (12"x24"/12"x36")	Per Sft	69	538		37,122.00
10-48	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	402	2015.75		810,331.50
10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	Per Rft	205	39.9		8,179.50
10-50	Extra cost for making hole in Marble slab for fixtures, Sink,burners,basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	2	980.7		1,961.40

10-51	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge.					-
	(i) 3/4" thick	Per Sft	81	1181.2		95,677.20
10-19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone	100 Sft	30.08	1218.1		36,640.45
SURFACE RENDERING						
11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height: b) ½" (13 mm) thick	100 Sft	72.08	4923.45		354,882.28
11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	24.63	659.45		16,242.25
11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) ¾" (20 mm) thick	100 Sft	42.72	6585.35		281,326.15
11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	24.06	659.45		15,866.37
11-12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height. b) 1:3	100 Sft	4.17	5624.75		23,455.21
11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	3.58	659.45		2,360.83
DOORS AND WINDOWS						
12-13	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	77	916.45		70,566.65

12-18	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C. windows, including holdfast, etc					-
	b) Deodar wood	Per Sft	77	1075.45		82,809.65
12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	2	4569.55		9,139.10
12-30	Providing and fixing approved quality rim lock adjustable over the style surface	Each	4	1680		6,720.00
25-50	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors 1.6mm, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of specified thickness tempered glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in-charge. ii) 8mm thick Glass	Per Sft.	117	1799.55		210,547.35

25-55	providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop or approved equivalent manufacturer having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing one side Tinted and one side clear double glass, and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge. b) 6mm thick Glass	Per Sft.	1752	2764.35		4,843,141.20
25-52	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft.	876	538.3		471,550.80
PAINTING AND VARNISHING						
13-31	Preparing surface and painting emulsion paint :					-
	a) 1st coat	100 Sft	76.25	1760.75		134,257.19
	b) 2nd & each subsequent coat.	100 Sft	152.51	1361.75		207,680.49
13-31	Extra labour for painting, varnishing, etc. from 20' (6.10 m)height and above, for every additional 10' (3.05 m) height,or part thereof, requiring scaffolding	100 Sft	28.21	259.85		7,330.37
13-33, 13-31	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: upto 20' heigh					-
	i) 1st coat	100 Sft	6.89	5271		36,317.19
	ii) 2nd & each subsequent coat.	100 Sft	13.78	3038.4		41,869.15
13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	23.8	2821.7		67,156.46

IRON WORKS						
25-38	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stai	Per Rft	30	3387.45		101,623.50
MISCELLANEOUS						
26-43	ing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid app	Sft	6077	12.7		77,177.90
NON-SCHEDULED ITEM						
NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	1635	110		179,850.00
NSI-02	Supply and installation of Wood Plastic Composite (WPC) ceiling panels, manufactured from weather-resistant composite material, designed to be durable, moisture-proof, termite-proof, and low maintenance. Installation shall include all necessary fixtures, fasteners, and accessories, and complete in all respects as per drawings and as directed by The Engineer's instructions.	Sft.	2499	1000		2,499,000.00
NSI-03	Providing and fixing Aluminium 15 mm thick 2' x 2' mineral fiber aoustical tile false ceiling (with surface pattern / design /texture), 4 sides revealed with bevel edges of approved manufacturer with recommended adjustable suspension system and accessories in approved colour exposed surfaces, complete in all respects.	Sft.	162	1020		165,240.00

NSI-04	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Each	3	50000		150,000.00
NSI-05	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	3339	440		1,469,160.00

NSI-06	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects.	Sft	3339	2500		8,347,500.00
GYM						
CIVIL WORKS						
EARTH WORK (EXCAVATION & EMBANKMENT)						
03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	26.18	12266.7		321,142.21
03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	18.37	8155.5		149,816.54
ii)	ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	3.62	17545.5		63,514.71
CONCRETE						
06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.					-
(h)	Ratio 1:3:6	100 Cft	1.18	40827.38		48,176.31
(i)	Ratio 1:4:8	100 Cft	25.52	35592.28		908,314.99

06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).					-
	a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects. including all lead and lift.					-
	(2) Type B (nominal mix 1:1½: 3)	Per Cft	10116	853.53		8,634,309.48
	(3) Type C (nominal mix 1: 2: 4)	Per Cft	13	778.78		10,124.14
	(b) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects:including all lead and lift.					-
	(2) Type B (nominal mix 1:1-1/2:3)					-
	(i) Upto 9" thick (Avg)	Per Cft	1971	823.28		1,622,684.88
	(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- including all lead and lift.					-
	(2) Type B (nominal mix 1: 1½: 3)	Per Cft	5617	700.58		3,935,157.86
	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).					-
	(b) Deformed bars					-
	ii) Grade-60	100kg	682.7	28479.6		19,443,022.92

	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.					-
	ii) 10 mm thick	Rft	122	816		99,552.00
BRICK WORK						
07-4(i)	Pacca brick work in 1:4 C/S mortar in foundation and upto plinth top:-	100Cft	0.54	41153.25		22,222.76
07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	57.13	42181.95		2,409,854.80
07-06-i	Pacca brick work in 1:4 C/S mortar.'Add extra labour on item No. 5 for brickwork i	100 Cft	19.13	1793.45		34,308.70
ROOFING						
09-15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	4	1228.55		4,914.20
09-35 (iii)	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- iii) Thermopore sheet 1" (25 mm) thick	100 Sft	46.84	19751.6		925,164.94
09-46	Providing and applying torch-on plain water proofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge a) Plain					-
	i) 3 mm thick	Per Sft	7410	125.15		927,361.50
FLOORING						
06-02	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100Cft	12.52	14076.5		176,237.78
10-14	Cement concrete tiles laid in 1:2 cement mortar, over 3/4" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	8.7	21668.65		188,517.26
10-16	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels (i) 3"(75 mm) thick	100 Sft	3.9	16609.8		64,778.22

10-35	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 1/2"(13 mm) thick	100 Sft	2	20075.65		40,151.30
10-39	Providing and laying 1" thick terrazo tile for specified colour & size full body, best quality with minimum 5000 PSI in approved design with adhesive bond over ¾" thick 1:3 cement plaster i/c the cost of sealer for finishing the joints i/c cutting, grinding, rubbing, filling Complete in all respect as approved and directed by the Engineer incharge. (Without Polishing) b) Size 24"x24"x1" ii) Coloured	Sft	1414	405.05		572,740.70
10-46-a	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design, Color and Shade with adhesive/bond over ¾"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (iv) 600mmx 1200 mm (24"x48")	Per Sft	3510	501.05		1,758,685.50
10-36	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge					-
	a) Full body Glazed tiles					-
	(iv) 600mmx 1200 mm (24"x48")	Per Sft	4341	501.2		2,175,709.20

10-48	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Risers/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	355	2015.75		715,591.25
10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandum disc as approved and directed by the Engineer Incharge.	Per Rft	181	39.9		7,221.90
10-50	Extra cost for making hole in Marble slab for fixtures, Sink,burners,basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	5	980.7		4,903.50
10-51	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge.					-
	(i) 3/4" thick	Per Sft	84	1181.2		99,220.80
10-19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.(First floor)	100 Sft	0.91	1218.1		1,108.47
SURFACE RENDERING						
11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height:b) ½" (13 mm) thick	100 Sft	79.48	4923.45		391,315.81
11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	36.29	659.45		23,931.44
11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) ¾" (20 mm) thick	100 Sft	54.84	6585.35		361,140.59
11-29	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (20'~30')	100 Sft	26.88	659.45		17,726.02

11-12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height. b) 1:3	100 Sft	6.06	5624.75		34,085.99
PAINTING AND VARNISHING						
13-31	Preparing surface and painting emulsion paint :					-
	a) 1st coat	100 Sft	30.66	1760.75		53,984.60
	b) 2nd & each subsequent coat.	100 Sft	61.32	1361.75		83,502.51
13-33, 13-31	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: upto 20' heigh					-
	i) 1st coat	100 Sft	9.3	5271		49,020.30
	ii) 2nd & each subsequent coat.	100 Sft	18.6	3038.4		56,514.24
DOORS AND WINDOWS						
12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	8	4569.55		36,556.40
25-50	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors 1.6mm, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of specified thickness tempered glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in-charge. ii) 8mm thick Glass	Per Sft.	73	1799.55		131,367.15

25-55	providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop or approved equivalent manufacturer having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing one side Tinted and one side clear double glass, and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge. b) 6mm thick Glass	Per Sft.	1001	2764.35		2,767,114.35
25-61	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge (i) Single Leaf	Sft	74	1083.75		80,197.50
12-05	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge b) Ash wood Door (i) 2" thick (50 mm)	Sft	157	3753.45		589,291.65

12-13	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	140	916.45		128,303.00
12-18	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C. windows, including holdfast, etc					-
	b) Deodar wood	Per Sft	297	1075.45		319,408.65
25-52	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft.	501	538.3		269,688.30
PAINTING AND VARNISHING						
13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	51.22	2821.7		144,527.47
IRON WORKS						
25-38	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	Per Rft	76	3387.45		257,446.20
MISCELLANEOUS						

26-43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	Sft	11053	12.7		140,373.10
NON-SCHEDULED ITEM						
MISCELLANIES WORKS						
NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	2494	110		274,340.00
NSI-02	Supply and installation of Wood Plastic Composite (WPC) ceiling panels, manufactured from weather-resistant composite material, designed to be durable, moisture-proof, termite-proof, and low maintenance. Installation shall include all necessary fixtures, fasteners, and accessories, and complete in all respects as per drawings and as directed by The Engineer's instructions.	Sft.	830	1000		830,000.00
NSI-03	Providing and fixing Aluminium 15 mm thick 2' x 2' mineral fiber acoustical tile false ceiling (with surface pattern / design /texture), 4 sides revealed with bevel edges of approved manufacturer with recommended adjustable suspension system and accessories in approved colour exposed surfaces, complete in all respects.	Sft.	8032	1020		8,192,640.00

NSI-04	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Each	3	50000		150,000.00
NSI-05	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	4086	440		1,797,840.00

NSI-6	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects, and directions of the Engineer-in-Charge,	Sft	4086	2500		10,215,000.00
NSI-7	Supply and installation of MR (Moisture Resistant) grade board lockers, complete with internal shelves as per requirement, finished with approved laminate finish, including premium quality hinges and hardware, such as handles, locks, screws, and fittings. and directions of The Engineer.	Sft	264	6875		1,815,000.00
NSI-8	Supply and installation of high-density gym rubber flooring, made from durable shock-absorbing rubber, slip-resistant, impact-resistant, and noise-reducing. Suitable for heavy gym equipment and high-traffic fitness areas. Installed complete with proper leveling and finishing.. and directions of The Engineer.	Sft	4582	4200		19,244,400.00
NSI-9	Three coats of Matt Enamel Paint of approved colour, including surface preparation by provision of a film with Alkali resisting primer to form smooth base for paint, including sand papering etc. , filling where required, etc. complete.	Sft	3483	85		296,055.00
PEDAL COURT						
CIVIL WORKS						
EARTH WORK (EXCAVATION & EMBANKMENT)						

03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	0.06	12266.7		736.00
03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	0.05	8155.5		407.78
CONCRETE						
06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.					-
(f)	Ratio 1:2:4	100 Cft	7.68	47998.78		368,630.63
(h)	Ratio 1:3:6	100 Cft	0.08	40827.38		3,266.19
FLOORING						
10-16	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels (i) 3"(75 mm) thick	100 Sft	21.4	16609.8		355,449.72
NON-SCHEDULED ITEM						
NSI-01	Providing, supplying and fixing of MS STEEL Square Tube for Corner Columns 5 inch, (Triangular Shape) 10gauge Thick.Supply of MS STEEL Square Tube for Cross 4 inch x 4 inch x12 gauge Thick for Top Sections same as bottom section. Supply of MS STEEL Rectangular Tube for Mesh Frame 3 inch x 1.5 inch x 12 gauge Thick. Supply and Fixing of 2 inch x 2 inch x 8 gauge Wire Mesh Black Paint. Supply of Floodlight Column MS STEEL Square Tube 10 ft Long 3 inch x 1.5 inch 14 gauge Thick. Supply & fixing with complete accessories with 10 mm thick metal plates and fixtures. (Botts, Elastic Washers, Rubber Mats) etc.complete in all respects.	Sft.	2178	1186		2,583,108.00

NSI-02	Providing, supplying and fixing Ghani Glass 12 mm thick Tempered glass with complete accessories etc. complete in all respects.	Sft.	1261	1814		2,287,454.00
NSI-03	Providing, supplying and fixing Bellin Turf Vietnam / CC Gras Color Blue, Green, Terracotta Thickness 12 mm Backing: PU backing Material: PE Monofilament + PP texturized Yarn (Curly) Dtex: 9600 Also Include Installation of Silica Sand (2 tons) Waterproof Turf Cover complete in all respects.	Sft.	2178	1084		2,360,952.00
NSI-04	Providing, Supplying and fixing Paddle Net Length: 9830 mm, Height 920mm Material: PP, Thickness: 3mm Mesh: 43mm x 43mm Net Column 4 in x 4 in 12 gauge pole With pully and tightner Height: 920 mm Column Size: 80 mm x 80 mm x 3 mm Leather Poshish with branding (Complete Set) complete in all respects.	Set.	1	221250		221,250.00
NSI-05	Providing, Supplying and fixing Digital Scoring Board	No	1	73750		73,750.00
NSI-06	Providing and Supplying Rackets and Balls 2x Padel Rackets 12k 2x Containers and Padel balls Racket hanger complete in all respects.	No	1	147500		147,500.00
BADMINTON						
CIVIL WORKS						
EARTH WORK (EXCAVATION & EMBANKMENT)						
03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	3.66	12266.7		44,896.12
03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	2.01	8155.5		16,392.56
ii)	ii) With new earth excavated from outside lead upto one chain (30 m).	1000 Cft	1.95	17545.5		34,213.73
CONCRETE						

06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.					-
(h)	Ratio 1:3:6	100 Cft	0.26	40827.38		10,615.12
(i)	Ratio 1:4:8	100 Cft	12.34	35592.28		439,208.74
06-06	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.).					-
	a.) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects.including all lead and lift.					-
	(2) Type B (nominal mix 1:1½: 3)	Per Cft	3358	853.53		2,866,153.74
	(c) (iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-including all lead and lift.					-
	(2) Type B (nominal mix 1: 1½: 3)	Per Cft	1152	700.58		807,068.16
06-12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).					-
	(b) Deformed bars					-
	ii) Grade-60	100kg	148	28479.6		4,214,980.80
BRICK WORK						
07-05 (i)	Pacca brick work in 1:4 C/S mortar in Ground floor	100 Cft	11.79	42181.95		497,325.19
FLOORING						

06-02	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100Cft	7.72	14076.5		108,670.58
10-14	Cement concrete tiles laid in 1:2 cement mortar, over ¾" (20 mm) thick bed of cement mortar 1:2:- (a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft	5.76	21668.65		124,811.42
10-48	Providing and laying ¾" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over ¾" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge ii) Ziarat White	Per Sft	114	2015.75		229,795.50
10-49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	Per Rft	42	39.9		1,675.80
10-48	Providing, laying and jointing Premium Quality Imported HDF Laminated Wooden Flooring (sustainable certification compliance)of approved color, shade, size and surface finish having properties of water resistance, UV resistance, stain resistance, scratch resistance, abrasion resistance complying EN 438, including the cost of edging & underlayment (min 2 mm polyethylene / EVA), etc., complete in all respect as per approved specifications and as approved by the Engineer incharge. ii 12mm thick (AC5 - cycle>6000)	Per Sft	1665	909.7		1,514,650.50
SURFACE RENDERING						
11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height: b) ½" (13 mm) thick	100 Sft	18.98	4923.45		93,447.08
11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height: c) ¾" (20 mm) thick	100 Sft	19.54	6585.35		128,677.74
DOORS AND WINDOWS						

12-64	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge	Each	1	4569.55		4,569.55
PAINTING AND VARNISHING						
13-5d	Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:-					-
	i). Priming coat	100 Sft	18.59	1274.1		23,685.52
	ii). each subsequent coat of paint (2 coats)	100 Sft	37.18	850.6		31,625.31
13-9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	16.5	2821.7		46,558.05
IRON WORKS						
25-10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position	100 Kg	56.24	35334.3		1,987,201.03
25-11	Erection and fitting in position iron trusses, staging of water tanks, etc.	100 Kg	56.24	2042.95		114,895.51
25-38	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	Per Rft	15	3387.45		50,811.75

25-69	Providing and fixing 12 mm Tempered Glass Door frameless comprising of aluminium H-section (D48) at bottom, H-type S.S framless handles both side (approved), top pivot hinges, bottom concealed floor machine hinges, s.s patch fitting, D glass door lock (approved) and all the cost of using approved standard fittings, accessories etc., and hardware any required, as shown on drawings, complete in all respect as per Specifications,as approved by the Engineer.	Per Sft	40	2184.75		87,390.00
MISCELLANEOUS						
26-43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	Sft	5919	12.7		75,171.30
NON SCHEDULE ITEMS						
IRON WORKS						
NSI-01	Provide & fix expended metal 1/2" to 3/4", 22 guage fixed walls or on area as required and specified on drawings with steel nails with washers complete in all respects.	Sft.	385	110		42,350.00
NSI-02	Providing and fixing Aluminium 15 mm thick 2' x 2' mineral fiber acoustical tile false ceiling (with surface pattern / design /texture), 4 sides revealed with bevel edges of approved manufacturer with recommended adjustable suspension system and accessories in approved colour exposed surfaces, complete in all respects.	Sft.	1665	1020		1,698,300.00

NSI-03	Supplying and installation of sandwich roofing panels of 2" (50 mm) overall thickness, comprising outer sheet of 24 SWG pre-painted galvanized steel (PPGI) and inner sheet of 26 SWG PPGI, factory-bonded with rigid insulation core of PUF/PIR/EPS of density $40 \pm 2 \text{ kg/m}^3$, modular width approx. 1000 mm, lengths as per site requirement, with tongue-and-groove/cam-lock jointing system, complete with ridge, flashing, fasteners, sealants, and trims, ensuring thermal conductivity $\leq 0.024 \text{ W/mK}$, sound insulation $\geq 25 \text{ dB}$, and fire resistance Class B or equivalent, including all cutting, fixing finishing and complete in all respects as per drawings and as directed by The Engineer's instructions.	Sft.	1859	1560	2,900,040.00
NSI-04	Supply, fabrication and installation of illuminated logo signage to be mounted at the top of building, as per approved design, drawings and Specifications. The work shall include fabrication of logo letters and symbols in approved size and proportions using MS/Aluminum framework, clad with acrylic/ACP or equivalent approved material, complete with internal LED illumination system to achieve uniform backlit/front-lit effect, including diffusers, wiring, drivers and power supply units, structural supporting frame, base plates, brackets, anchor bolts (chemical/mechanical), and all necessary fixing arrangements designed to withstand wind loads and external environmental conditions at height, anti-corrosion treatment (primer, paint or powder coating), weatherproofing, sealing, and finishing and all incidental works shall be included, complete in all respects, as per approved shop drawings and as directed by the Engineer.	Sft.	1	50000	50,000.00

NSI-05	Providing and applying high-quality Decorative Acrylic Texture Coating (Stucco Finish) Italian texture paint finish on prepared internal/external wall surfaces, including surface cleaning, crack filling, putty work where required, application of primer, and textured coating to achieve a uniform decorative stucco finish. The work shall include all materials, labor, tools, scaffolding, surface preparation, and finishing coats complete in all respects, as per manufacturer's specifications, approved samples, and directions of the Engineer-in-Charge. Measurement shall be made on the finished surface area.	Sft	977	440	429,880.00
NSI-06	Providing, supplying and fixing 25 mm thick decorative natural stone wall cladding panels with a CNC-carved 3D pattern, of approved type, color, and finish. The work shall include fixing the panels using an approved stainless steel mechanical anchoring system, including cutting, drilling, edge finishing, joint treatment, sealant, scaffolding, transportation, labour, and all necessary hardware and accessories required for installation complete with all respect as per drawings, specifications, and as approved by the Engineer-in-Charge. Complete in all respects.	Sft	977	2500	2,442,500.00

NSI-07	Structural/glazing system with 2 mm thick and 100mm wide powder coated (in approved colour) base frame system as per the recommendations of the specialized facade designer and agreed by the approved manufacturer and stainless steel fittings using insulated glazing unit (IGU) system comprising of 6mm thick imported Low-E glass of approved color/shade having Low-E coating on surface no. 2 (inside the outer glass) and 6mm thick clear tempered glass (inner glass), with 12 mm wide aluminum spacers Low-E glass shall have a maximum of 3.7 U-factor with 0.45 solar heat gain coefficient. The glass to be used shall be from Pilkington/Guardian or an approved equivalent manufacturer. Doors in the curtain wall shall be of 12 mm thick Low-E tempered glass of approved color/shade, having handles 1500 mm long with 38mm dia & 2 mm wall thickness pipes of SS-316 brushed finish. All joints between the panels shall be sealed with minimum clear silicon sealant from Dow Corning of an approved equivalent. The Contractor shall submit shop drawings for the approval of the Engineer.	Sft	841	3800	3,195,800.00
BOX CRICKET /FUTSAL GROUND					
CIVIL WORKS					
EARTH WORK (EXCAVATION & EMBANKMENT)					
03-21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) lift upto 5 ft (1.5m) 2) a) By Excavator (iii) Hard soil or Soft murum	1000 Cft	0.1	12266.7	1,226.67
03-15	Filling, watering and ramming earth under floors. i) with surplus earth from foundation, etc.	1000 Cft	0.06	8155.5	489.33
CONCRETE					

06-05	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.					-
(f)	Ratio 1:2:4	100 Cft	15.08	47998.78		723,821.60
(h)	Ratio 1:3:6	100 Cft	0.12	40827.38		4,899.29
FLOORING						
10-16	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels (i) 3"(75 mm) thick	100 Sft	42.64	16609.8		708,241.87
NON SCHEDULE ITEMS						
NSI-01	Providing, supplying and fixing 3 inch round poles galvanized for vertical columns 12 gauge 22 ft height 2 inch round poles galvanized for horizontal connections 2 lines on after 10 ft height Ground fixing with J-bolt system 3 ft deep and 10 mm thick iron base plates Top net tension iron cable 9 mm etc.complete in all respects.	Sft.	4264	676		2,882,464.00
NSI-02	Providing, supplying and fixing Iron Mesh / Net Coverage Iron mesh with 2 inch holes on all four sides diamond shape Height 20 ft 10 guage UV coated fiber net on top Solid CNC designed gate etc.complete in all respects.	Sft.	14500	87		1,261,500.00
NSI-03	Providing, supplying and fixing Imported turf for cricket pitch Color: Blue, Green, Terracotta Pile height 12 mm PU backing PE Monofilament + PP texturized Yarn (Curly) Turf for Ground Multiparous Grass for futsal and cricket Color: Lite and Dark Green Pile height 30 mm 20 stiches UV coated complete in all respects	Sft.	4264	606		2,583,984.00
NSI-04	Providing and Supplying Play Equipment 2 x Bats Set of Wickets 2 x Balls	No	1	36875		36,875.00
INTERNAL ROADS						
CIVIL WORKS						

03-25/P-26	Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete					-
	i) 95% to 100% maximum modified AASHTO dry density.	P.CUM	385.449	60.05		23,146.19
06-05/P-35	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) including all lead and lift.					-
	(f) Ratio 1: 2: 4	P.CUM	192.724	16945.35		3,265,781.11
18-3 /P-106	a) Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and. aggregate. i/c lead ii) Crushed stone aggregate.	P.CUM	254.396	3669.65		933,544.67
10-44/p-65	Providing and laying Polygon Pavers, having 7000 PSI crushing strength of approved manufacturer, 60mm thick, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope, in pattern as approved by Engineer Incharge. Complete in all respect. (Grey & Combination of any Colour)	Per Meter	1264.91	1873		2,369,183.95
PLUMBING WORKS						
BILLIARD ROOM						
SANITARY FIXTURES AND FITTINGS						
19 / 3	Providing and fitting imported floor mounted European coupled set of Water Closet (WC) and flushing Cistern of PORTA/ Marachi brand (full size) manufacturer i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.					-
B	One Piece					-
iii.	PORTA HD 102N Toilet Cito with Hydraulic Seat Cover	Each	2	59851.1		119,702.20

19 / 7	Providing and fitting glazed earthen ware wash hand basin/vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.					-
(i)	white with pedestal	Each	2	12051.55		24,103.10
19 / 16	Providing and fixing, chromium plated soap dish.	Each	2	981.6		1,963.20
19 / 9 / ii page 119	Supply and fixing of Soap Dispensor including all other cost of required fittings & required accessories complete in all respect as approved & directed by the Engineer incharge.: Stainless steel	Each	2	4229.4		8,458.80
19 / 18	Providing and fixing, chromium plated toilet paper holder.	Each	2	1271.45		2,542.90
19 / 19 / i	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (¾") dia	Each	2	1337.2		2,674.40
19 / 20	Providing and fixing looking glass 55x40 cm (22"x16") size and minimum 5 mm thick, first quality.	Each	2	1546.2		3,092.40
19/21	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass:- i) with chromium plated brackets and railing.	Each	2	1701.7		3,403.40
19 / 27/ ii	Providing and fixing chromium plated bib cock 1.5cm (1/2")	Each	2	1588		3,176.00
19 / 28	Providing and fixing chromium plated Tee stop cock 15mm (1/2")	Each	10	2068		20,680.00
19 / 52	Providing and fixing CP bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge					-
ii	Lever Type Basin Mixer	Each	2	6707		13,414.00
iii	Double Bib Cock	Each	2	1907		3,814.00
v	Muslim shower	Each	2	2387		4,774.00
vil	Bottle Trap	Each	2	1487		2,974.00
19 / 7 / ii page 118	Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc, (copper connection)	Each	10	712.8		7,128.00

19 / 55 page 117	Providing/fixing Gas water heater (Geyser) of specified capacity, comprising of water tank made of 14 SWG steel sheet and cover with 20 SWG MS sheet, best quality make of Corona/Ambassador / Super Asia/Canon or approved equivalent manufacturer i/c the cost of non return valve,imported thermostate,G.I. accessories, safety valve and making connection with existing water supply pipe line complete in all respects as approved and directed by the Engineer Incharge					-
(i)	06 Gallons	Each	2	19730.05		39,460.10
WATER SUPPLY PIPES AND FITTINGS						
23 / 33 / b	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077 - 8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal / External Diameters mentioned). PN20					-
ii	25mm dia	Rft	100	99.7		9,970.00
iii	32mm dia	Rft	50	158.25		7,912.50
iv	40mm dia	Rft	20	241.75		4,835.00
23 / 42	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.					-
a-ii	3/4" dia Brass Threaded Valves	Each	1	3510		3,510.00
a-iii	1" dia Brass Threaded Valves	Each	1	5025.6		5,025.60
23 / 45	Supply & installation of heavy duty Brass PN-16 air Vents of specified size provided at the highest points (Pipe Risers) to expel air as approved and directed by the Engineer Incharge, Automatic					-
a-ii	3/4 inches	Each	1	1896		1,896.00
SOIL, WASTE AND VENT PIPES & FITTINGS						

19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ ZJoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.					-
iii	50mm	Rft	20	103.95		2,079.00
iv	82mm	Rft	50	160.6		8,030.00
v	110mm	Rft	30	254.3		7,629.00
vi	160mm	Rft	10	493.4		4,934.00
19 / 49	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi / waste pipe Fittings make of Dadex / Popular / Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.					-
b-i	Multi-Trap 4"	Each	2	1436.1		2,872.20
c-ii	Vent Cowel 3"	Each	2	386.1		772.20
19 / 12 page 119	Providing and Fixing of SS 304 Floor Drain, complete in all respect as approved and directed by Engineer Incharge.					-
(i)	4" Diameter	Each	2	1254.95		2,509.90
21 / 5	Constructing gully grating chamber, 12"x12", (300x300 mm) complete in all respects:					-
a)	with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) frame hinged safety type.	Each	2	17212.95		34,425.90
STORM DRAINAGE PIPES & FITTINGS						
19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ ZJoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.					-
v	110mm	Rft	30	254.3		7,629.00

19 / 13 page 119	Providing and Fixing of SS 304 Roof / scupper Drain, complete in all respect as approved and directed by Engineer Incharge.					-
(i)	4" Diameter	Each	2	1284.8		2,569.60
NON-SCHEDULED ITEMS						
	**GENERAL NOTE **					-
	Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per drawings, specifications and as approved by the Engineer.					-
NS-01	CP Small hook of any size and shape, of approved make, complete with plugs and screws etc., fixed to concrete, brick stone or wood work, complete in all respects.	Each	2	2170		4,340.00
PLUMBING WORKS						
CAFÉ / CIGAR ROOM						
SANITARY FIXTURES AND FITTINGS						
19 / 3	Providing and fitting imported floor mounted European coupled set of Water Closet (WC) and flushing Cistern of PORTA/ Marachi brand (full size) manufacturer i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.					-
B	One Piece					-
iii.	PORTA HD 102N Toilet Cito with Hydraulic Seat Cover	Each	2	59851.1		119,702.20
19 / 7	Providing and fitting glazed earthen ware wash hand basin/vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.					-
(i)	white with pedestal	Each	2	12051.55		24,103.10
19 / 8	Providing and fixing stainless steel sink with drain board, size 120x60 cm	Each	2	15806.95		31,613.90
19 / 30	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	Each	2	3950		7,900.00

19 / 16	Providing and fixing, chromium plated soap dish.	Each	2	981.6		1,963.20
19 / 9 / ii page 119	Supply and fixing of Soap Dispensor including all other cost of required fittings & required accessories complete in all respect as approved & directed by the Engineer incharge.: Stainless steel	Each	2	4229.4		8,458.80
19 / 18	Providing and fixing, chromium plated toilet paper holder.	Each	2	1271.45		2,542.90
19 / 19 / i	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (¾") dia	Each	2	1337.2		2,674.40
19 / 20	Providing and fixing looking glass 55x40 cm (22"x16") size and minimum 5 mm thick, first quality.	Each	2	1546.2		3,092.40
19/21	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass:- i) with chromium plated brackets and railing.	Each	2	1701.7		3,403.40
19 / 27/ ii	Providing and fixing chromium plated bib cock 1.5cm (1/2")	Each	2	1588		3,176.00
19 / 28	Providing and fixing chromium plated Tee stop cock 15mm (1/2")	Each	8	2068		16,544.00
19 / 52	Providing and fixing CP bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge					-
ii	Lever Type Basin Mixer	Each	2	6707		13,414.00
iii	Double Bib Cock	Each	2	1907		3,814.00
v	Muslim shower	Each	2	2387		4,774.00
vii	Bottle Trap	Each	2	1487		2,974.00
19 / 7 / ii page 118	Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc, (copper connection)	Each	8	712.8		5,702.40

19 / 56 page 117	Supply & Installation of Duel (Electric and Gas Water Heaters) with factory-installed pressure relief valve, adjustable water temperature control thermostate, Copper connections for specific capacity having leaving waterr temprature 140 deg F & working pressure 15 PSI, Ambassador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and directed by Engineer Incharge.					-
ii	55 Gallons	Each	1	83161.5		83,161.50
WATER SUPPLY PIPES AND FITTINGS						
23 / 33 / b	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077 - 8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal / External Diameters mentioned). PN20					-
ii	25mm dia	Rft	200	99.7		19,940.00
iii	32mm dia	Rft	50	158.25		7,912.50
iv	40mm dia	Rft	30	241.75		7,252.50
v	50mm dia	Rft	10	347.1		3,471.00
vi	63mm dia	Rft	50	541.3		27,065.00
23 / 42	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges, nut/bolt and gaskit where required complete in all respect as approved and directed by the Engineer Incharge.					-
a-ii	3/4" dia Brass Threaded Valves	Each	6	3510		21,060.00
a-iii	1" dia Brass Threaded Valves	Each	4	5025.6		20,102.40
a-iv	1-1/4" dia Brass Threaded Valves	Each	1	7039.2		7,039.20
a-v	1-1/2" dia Brass Threaded Valves	Each	4	9930		39,720.00
a-vi	2" dia Brass Threaded Valves	Each	1	14500.8		14,500.80

23 / 45	Supply & installation of heavy duty Brass PN-16 air Vents of specified size provided at the highest points (Pipe Risers) to expel air as approved and directed by the Engineer Incharge, Automatic					-
a-ii	3/4 inches	Each	2	1896		3,792.00
19 / 12 page 118	Providing and fixing brass ball float valve:					-
v	4.0 cm (1½") dia	Each	1	1934		1,934.00
SOIL, WASTE AND VENT PIPES & FITTINGS						
19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ ZJoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.					-
iii	50mm	Rft	50	103.95		5,197.50
iv	82mm	Rft	100	160.6		16,060.00
v	110mm	Rft	80	254.3		20,344.00
vi	160mm	Rft	10	493.4		4,934.00
19 / 49	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi / waste pipe Fittings make of Dadex / Popular / Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.					-
b-i	Multi-Trap 4"	Each	4	1436.1		5,744.40
c-ii	Vent Cowel 3"	Each	2	386.1		772.20
19 / 12 page 119	Providing and Fixing of SS 304 Floor Drain, complete in all respect as approved and directed by Engineer Incharge.					-
(i)	4" Diameter	Each	2	1254.95		2,509.90
21 / 5	Constructing gully grating chamber, 12"x12", (300x300 mm) complete in all respects:					-

a)	with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) frame hinged safety type.	Each	3	17212.95		51,638.85
STORM DRAINAGE PIPES & FITTINGS						
19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ ZJoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.					-
v	110mm	Rft	65	254.3		16,529.50
19 / 13 page 119	Providing and Fixing of SS 304 Roof / scupper Drain, complete in all respect as approved and directed by Engineer Incharge.					-
(i)	4" Diameter	Each	3	1284.8		3,854.40
MISCELLANEOUS						
19 / 40	Supply and fitting of cast iron manhole cover square with frame, etc. complete					-
iii)	60cm x 60cm(24"x24")	Each	2	6089.85		12,179.70
NON-SCHEDULED ITEMS						
	**GENERAL NOTE **					-
	Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per drawings, specifications and as approved by the Engineer.					-
SANITARY FIXTURES AND FITTINGS						
NS-01	CP Small hook of any size and shape, of approved make, complete with plugs and screws etc., fixed to concrete, brick stone or wood work, complete in all respects.	Each	2	2170		4,340.00
NS-02	Electric water coolers of 40Gallons capacity, minimum two taps, including Tee stop	Each.	1	121000		121,000.00
NS-03	Triple water filter (10") including inlet and outlet connections, power supply, and a	Each.	1	32450		32,450.00
WATER SUPPLY PIPES AND FITTINGS						

	G.I. water pipes conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, clamps, hangers & supports, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects.					-
NS-04	3/4 inch	Rft	20	515		10,300.00
NS-05	1 inch	Rft	10	755		7,550.00
NS-06	1-1/4 inches	Rft	10	825		8,250.00
NS-07	1-1/2 inches	Rft	100	950		95,000.00
NS-08	2 inches	Rft	10	1270		12,700.00
MISCELLANEOUS						
NS-09	3/4" diameter Galvanised MS ladder rungs for water tanks; each rung of 18" width	Each	10	1490		14,900.00
NS-10	Dia 2" u-turned G.I. vent pipes, puddle plate, with insect proof mesh at open end	Job	1	7545		7,545.00
PLUMBING WORKS						
SWIMMING POOL						
SANITARY FIXTURES AND FITTINGS						
19 / 3	Providing and fitting imported floor mounted European coupled set of Water Closet (WC) and flushing Cistern of PORTA/ Marachi brand (full size) manufacturer i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.					-
B	One Piece					-
iii.	PORTA HD 102N Toilet Cito with Hydraulic Seat Cover	Each	1	59851.1		59,851.10
19 / 5	Providing and fitting white glazed earthen ware water closet, squatter type, with separate foot rest.	Each	1	8761.75		8,761.75
19 / 13 / i	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete , white	Each	1	5803.2		5,803.20

19/49	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of Dadex /Popular/Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.					-
a)	P-Trap					-
	(i) 4" dia	Each	1	960.2		960.20
19 / 4 / ii page 118	Providing and fixing, flushing bend of PVC , 4cm (1-1/2")	Each	1	394.65		394.65
19 / 7	Providing and fitting glazed earthen ware wash hand basin/vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.					-
(v)	Under Counter Vanity Basin	Each	5	13047.55		65,237.75
19 / 16	Providing and fixing, chromium plated soap dish.	Each	5	981.6		4,908.00
19 / 9 / ii page 119	Supply and fixing of Soap Dispensor including all other cost of required fittings & required accessories complete in all respect as approved & directed by the Engineer incharge.: Stainless steel	Each	2	4229.4		8,458.80
19 / 18	Providing and fixing, chromium plated toilet paper holder.	Each	1	1271.45		1,271.45
19 / 19 / i	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (¾") dia	Each	2	1337.2		2,674.40
19 / 20	Providing and fixing looking glass 55x40 cm (22"x16") size and minimum 5 mm thick, first quality.	Each	5	1546.2		7,731.00
19 / 27/ ii	Providing and fixing chromium plated bib cock 1.5cm (1/2")	Each	2	1588		3,176.00
19 / 28	Providing and fixing chromium plated Tee stop cock 15mm (1/2")	Each	12	2068		24,816.00
19 / 52	Providing and fixing CP bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge					-
ii	Lever Type Basin Mixer	Each	5	6707		33,535.00

iii	Double Bib Cock	Each	2	1907		3,814.00
iv	Open Type Wall Shower	Each	2	18707		37,414.00
v	Muslim shower	Each	2	2387		4,774.00
vil	Bottle Trap	Each	5	1487		7,435.00
19 / 7 / ii page 118	Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc, (copper connection)	Each	12	712.8		8,553.60
19 / 56 page 117	Supply & Installation of Duel (Electric and Gas Water Heaters) with factory- installed pressure relief valve, adjustable water temperature control thermostat, Copper connections for specific capacity having leaving waterr temprature 140 deg F & working pressure 15 PSI, Ambassador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and directed by Engineer Incharge.					-
ii	55 Gallons	Each	1	83161.5		83,161.50
WATER SUPPLY PIPES AND FITTINGS						
23 / 33 / b	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077 - 8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal / External Diameters mentioned). PN20					-
ii	25mm dia	Rft	100	99.7		9,970.00
iii	32mm dia	Rft	60	158.25		9,495.00
iv	40mm dia	Rft	20	241.75		4,835.00
v	50mm dia	Rft	50	347.1		17,355.00
vi	63mm dia	Rft	10	541.3		5,413.00

23 / 42	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.					-
a-ii	3/4" dia Brass Threaded Valves	Each	2	3510		7,020.00
a-iii	1" dia Brass Threaded Valves	Each	2	5025.6		10,051.20
a-iv	1-1/4" dia Brass Threaded Valves	Each	1	7039.2		7,039.20
a-v	1-1/2" dia Brass Threaded Valves	Each	1	9930		9,930.00
a-vi	2" dia Brass Threaded Valves	Each	1	14500.8		14,500.80
23 / 45	Supply & installation of heavy duty Brass PN-16 air Vents of specified size provided at the highest points (Pipe Risers) to expel air as approved and directed by the Engineer Incharge, Automatic					-
a-ii	3/4 inches	Each	2	1896		3,792.00
SOIL, WASTE AND VENT PIPES & FITTINGS						
19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ ZJoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.					-
iii	50mm	Rft	50	103.95		5,197.50
iv	82mm	Rft	100	160.6		16,060.00
v	110mm	Rft	50	254.3		12,715.00
vi	160mm	Rft	10	493.4		4,934.00
19 / 49	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized polyvinyl Chloride) Nikasi / waste pipe Fittings make of Dadex / Popular / Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.					-
b-i	Multi-Trap 4"	Each	2	1436.1		2,872.20

c-ii	Vent Cowel 3"	Each	2	386.1		772.20
19 / 12 page 119	Providing and Fixing of SS 304 Floor Drain, complete in all respect as approved and directed by Engineer Incharge.					-
(i)	4" Diameter	Each	6	1254.95		7,529.70
21 / 5	Constructing gully grating chamber, 12"x12", (300x300 mm) complete in all respects:					-
a)	with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) frame hinged safety type.	Each	2	17212.95		34,425.90
STORM DRAINAGE PIPES & FITTINGS						
19 / 47	Providing, fixing, testing and commissioning of (Unplasticized Polyvinyl Chloride Nikasi /SWV pipe, Dadex /Popular /Beta or approved equivalent manufacturer ,plain/Bell Ended/ ZJoints conforming to BS4514/ BS5255- EN1329 including the cost of specials and Solvents complete in all respects ,as per drawings & specifications and /or as approved and directed by the Engineer Incharge.					-
v	110mm	Rft	65	254.3		16,529.50
19 / 13 page 119	Providing and Fixing of SS 304 Roof / scupper Drain, complete in all respect as approved and directed by Engineer Incharge.					-
(i)	4" Diameter	Each	3	1284.8		3,854.40
MISCELLANEOUS						
19 / 40	Supply and fitting of cast iron manhole cover square with frame, etc. complete					-
iii)	60cm x 60cm(24"x24")	Each	1	6089.85		6,089.85
NON-SCHEDULED ITEMS						
	**GENERAL NOTE **					-
	Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per drawings, specifications and as approved by the Engineer.					-
SANITARY FIXTURES AND FITTINGS						

NS-01	CP Small hook of any size and shape, of approved make, complete with plugs and screws etc., fixed to concrete, brick stone or wood work, complete in all respects.	Each	10	2170		21,700.00
NS-02	Electric water coolers of 40Gallons capacity, minimum two taps, including Tee stop	Each.	1	121000		121,000.00
NS-03	Triple water filter (10") including inlet and outlet connections, power supply, and a	Each.	1	32450		32,450.00
SOIL, WASTE AND VENT PIPES & FITTINGS						
	G.I. water pipes conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, clamps, hangers & supports, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects.					-
NS-04	2 inches	Rft	50	1270		63,500.00
	uPVC floor Cleanout of the following diameter, including screw type Stainless Steel/CP top tile access plug, transition pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects.					-
NS-06	3 inches	Each	2	7765		15,530.00
NS-07	4 inches	Each	1	8635		8,635.00
MISCELLANEOUS						
NS-07	3/4" diameter Galvanised MS ladder rungs for water tanks; each rung of 18" width	Each	5	1490		7,450.00
SWIMMING POOL EQUIPMENT						
NS-09	Swimming pool related all plumbing works including all equipment, pumps, filters	Job	1	3600000		3,600,000.00
RECEPTION/BILLIARD/TABLE-TENNIS						
ELECTRICAL WORKS						
Conduits & Pipes						
24-Mar	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					-
ii	20 mm i/d	Rft.	4,000	119.35		477,400.00
iii	25 mm i/d	Rft.	4,000	138.95		555,800.00

vi)	50 mm i/d	Rft.	500	238.15		119,075.00
vii)	80 mm i/d	Rft.	250	299.65		74,912.50
viii)	100 mm i/d	Rft.	800	377.65		302,120.00
24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge					-
a)	One way Gange Switch (Small)					-
(i)	01 Gange	Each	3	463.2		1,389.60
(ii)	02 Gange	Each	5	704.4		3,522.00
(iii)	Three pin Light Plug 10/13 Amp	Each	22	754.45		16,597.90
(iv)	Telephone / TV/Datacable socket	Each	10	662.45		6,624.50
(v)	Fan Dimmer	Each	1	740.6		740.60
(vi)	Bell push	Each	1	598.2		598.20
(vii)	Three Pin Power Plug 15-32 Amp	Each	8	924.55		7,396.40
b)	One way Gange Switch (Large)		0			-
(i)	04 Gange	Each	4	981.25		3,925.00
(ii)	05 Gange	Each	4	1,151.35		4,605.40
(iii)	06 Gange	Each	4	1,405.85		5,623.40
C)	Two way Gange Switch Small					-
(i)	01 Gange One Way/ Two Way	Each	3	499.9		1,499.70
Wiring						
24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-					-
c)	450/750 volts, PVC insulated:					-
ii)	1.5 mm sq (3/0.029")	Per Rft.	7,000	42.4		296,800.00
iii)	2.5 mm sq (7/0.029")	Per Rft.	3,500	62		217,000.00
iv)	4 mm sq (7/0.036")	Per Rft.	3,000	81.85		245,550.00
LT Cables						

24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-					-
i)	4 mm sq (7/0.036")	Per Rft.	50	74.65		3,732.50
ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45		1,004.50
iii)	10 mm sq (7/0.052")	Per Rft.	250	155.7		38,925.00
iv)	16 mm sq (7/0.064")	Per Rft.	50	234.3		11,715.00
24-11	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-					-
c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-					-
iv)	4 mm sq (7/0.036")	Per Rft.	250	268.75		67,187.50
v)	6 mm sq (7/0.044")	Per Rft.	20	381.4		7,628.00
vi)	10 mm sq (7/0.052")	Per Rft.	150	605.85		90,877.50
vii)	16 mm sq (7/0.064")	Per Rft.	150	926.05		138,907.50
viii)	25 mm sq (19/0.052")	Per Rft.	20	1,426.20		28,524.00
ix)	35 mm sq (19/0.064")	Per Rft.	150	1,919.90		287,985.00
Fans and Exhaust Fans						
24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.					-
a)-i	Plastic body - 10" dia	Each	2	5,235.50		10,471.00
a)-ii	Plastic body - 12" dia	Each	1	5,685.50		5,685.50
b) **	**Steel body					-
i	12" sweep	Each	1	5,516.75		5,516.75
ii	18" sweep	Each	0	6,641.75		-
24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
ii)	24" Sweep dia	Each	4	10,703.00		42,812.00

24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
(iii)	56" dia	Each	1	10,180.20		10,180.20
Lightning Protection System						
24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	2	21,210.95		42,421.90
24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System					-
viii)	70 mm ² CU bare conductor	Per Rft	200	850.45		170,090.00
CCTV						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.					-
a)	UTP (Unshielded Twisted pair)					-
(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	1,200	49.2		59,040.00

24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.					-
ii)	16-Channel	Each	1	116,388.70		116,388.70
24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge					-
iii)	10 TB	Each	1	69,360.00		69,360.00
24-128	Supply, Installation and Connection of L2 Access Switches 24 x Ethernet 10/100/1000 base-T port, min 2 x 1Gigabit SFP ports with 2 x 1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP nooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/ Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364,102.50		364,102.50

24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge					-
b	4 Mega Pixel					-
(i)	Fixed Bullet Type	Each	1	71,535.00		71,535.00
(ii)	Fixed Dome type	Each	5	82,785.00		413,925.00
24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge					-
ii	15U size (600x550x770 mm	Each	1	59,379.95		59,379.95
24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641,053.15		641,053.15
DATA NETWORK & WIFI SYSTEM						
Data Cabling System						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.					-

a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	1,500	69.6		104,400.00
24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.					-
i)	1 meter Patch Cord	Each	8	1,074.40		8,595.20
ii)	3 meter Patch Cord	Each	8	1,309.60		10,476.80
24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	1	4,108.80		4,108.80
24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cat					-
ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	1	35,405.00		35,405.00
24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.					-
i)	Single I/O	Each	8	1,678.15		13,425.20
ii)	Double I/O	Each	0	2,626.50		-
24-142	Supply, Installation and commissioning of Core Switches with interface : 10 GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP) ,Bandwidth: Tbps or higher with Quad-core processor or higher,MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
i)	24 Ports	Each	1	125,582.25		125,582.25

14324-	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity :90 Mpps,RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei / H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
	24 Ports	Each	1	91,902.00		91,902.00
24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaidd/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.					-
a-(ii)	06 Core	PER RFT	250	596.4		149,100.00
24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge					-
a)	Multimode (MM) Ports					-
(ii)	12 Ports	Each	1	64,560.40		64,560.40
24-160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metalic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.					-
	b) Column Type Speaker					-
(iv)	60 Watt	Each	4	80,081.25		320,325.00

24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , complete in all respects made of Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.					-
vi)	480 Watt	Each	1	468,983.65		468,983.65
24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge					-
i)	Cordless Microphone with Transmitter	Each	1	151,462.90		151,462.90
24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116,294.25		116,294.25
24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):-					-
a)-i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5 sqmm (3/.029")	Per Rft	500	128.45		64,225.00
24-85	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge					-
a)	Single Pole					-
(iii)	6-63 Amp (10 KA)	Each	40	1,459.05		58,362.00
b)	Double Pole					-
	iii) 6-63 Amp (10 KA)	Each	1	5,621.55		5,621.55

24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaiddBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge					-
a)	Triple Pole					-
(iii)	15-100 Amp(18 KA)	Each	12	12,172.95		146,075.40
viii)	125-150 Amp(36 KA)	Each	3	26,516.70		79,550.10
24-90	(Recessdded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).					-
(a)	6" deep					-
(i)	20~60A	P.CFT	30	2,463.70		73,911.00
ii)	75~100A	P.CFT	20	2,604.40		52,088.00
(b)	12" deep					-
(i)	125~150A	P.CFT	20	7,011.65		140,233.00
24-91	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switches, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)					-

1	LT Switchboards					-
a)(i)	2.50 Ft deep 250~600A	P. cft	20	4,772.65		95,453.00
24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge					-
i)	Selector Switch	Each	1	1,228.80		1,228.80
(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	6	2,134.30		12,805.80
(iii)	Digital Voltmeter (0-600 Volt)	Each	6	1,012.80		6,076.80
(iv)	Digital Ammeter (0-9999 Amp)	Each	6	1,228.80		7,372.80
(v)	LED Phase Indicator	Each	9	622.8		5,605.20
(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	6	631.15		3,786.90
vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	6	5,373.80		32,242.80
viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	9	1,375.80		12,382.20
ix)	Surge Suppressors	Each	6	1,060.80		6,364.80
x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	1	2,257.80		2,257.80
xi)	Exhaust Fan with Louvers (Make: Imported/Plastim	Each	3	3,832.80		11,498.40
xii)	Temperature Regulator 0~60C	Each	3	2,134.30		6,402.90
xiii)	(Power Capacitors	Each				-
a)	12.5 KVAR	Each	1	16,852.80		16,852.80
b)	25 KVAR	Each	1	25,852.80		25,852.80
	Magnetic Contactor					-
(a)	25 A (AC 3) for 12.5 KVAR	Each	3	10,048.80		30,146.40
b)	40 A (AC 3) for 25 KVAR	Each	3	14,332.80		42,998.40
(xvii)	Power Factor Controller					-
a)	6 Steps	Each	1	55,252.80		55,252.80
Non - Schedule Items						
Light Fixtures						

	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. **Note:** Refer light fixtures drawings/Schedule for complete light fixtures details.					-
NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min.	No.	2	9,500.00		19,000.00
NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30	No.	6	2,500.00		15,000.00
						-
NS-03	15-20 W Surface/ ceiling Mounted LED downlight with built in integrated driver and	No.	60	3,500.00		210,000.00
NS-04	7-10 W Surface/ ceiling Mounted LED downlight with built in integrated driver and	No.	5	1,950.00		9,750.00
NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-5	No.	8	6,500.00		52,000.00
NS-06	LED EXIT LIGHT 8/10 W	No.	5	9,500.00		47,500.00
	Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding, fittings insulation,tape wrapping etc, insulation, refrigerant charge thermostate, control between indoor and outdoor units power wiring, conduiting, dura duct / channel mounting brackets and accessories complete in all respect.					-
NS-07	Split Air- Conditioner 1.5 ton	Job	4	350,000.00		1,400,000.00
NS-08	Floor standing type Air- Conditioner 4 ton	Job	4	1,200,000.00		4,800,000.00
CAFE/CIGAR ROOM (GF + FF)						
ELECTRICAL WORKS						
Conduits & Pipes						
24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					-

ii	20 mm i/d	Rft.	8,000	119.35		954,800.00
iii	25 mm i/d	Rft.	10,000	138.95		1,389,500.00
vi)	50 mm i/d	Rft.	2,000	238.15		476,300.00
vii)	80 mm i/d	Rft.	500	299.65		149,825.00
viii)	100 mm i/d	Rft.	1,000	377.65		377,650.00
24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equivalent manufacturer, screws complete as approved and directed by the Engineer Incharge					-
a)	One way Gange Switch (Small)					-
(i)	01 Gange	Each	5	463.2		2,316.00
(ii)	02 Gange	Each	10	704.4		7,044.00
(iii)	Three pin Light Plug 10/13 Amp	Each	50	754.45		37,722.50
(iv)	Telephone / TV/Datacable socket	Each	15	662.45		9,936.75
(v)	Fan Dimmer	Each	1	740.6		740.60
(vi)	Bell push	Each	1	598.2		598.20
(vii)	Three Pin Power Plug 15-32 Amp	Each	10	924.55		9,245.50
b)	One way Gange Switch (Large)					-
(i)	04 Gange	Each	6	981.25		5,887.50
(ii)	05 Gange	Each	6	1,151.35		6,908.10
(iii)	06 Gange	Each	6	1,405.85		8,435.10
C)	Two way Gange Switch Small					-
(i)	01 Gange One Way/ Two Way	Each	4	499.9		1,999.60
WIRING						
24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):-					-
c)	450/750 volts, PVC insulated:					-
ii)	1.5 mm sq (3/0.029")	Per Rft.	15,000	42.4		636,000.00
iii)	2.5 mm sq (7/0.029")	Per Rft.	5,500	62		341,000.00

iv)	4 mm sq (7/0.036")	Per Rft.	4,000	81.85		327,400.00
LT CABLES						
24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-					-
i)	4 mm sq (7/0.036")	Per Rft.	50	74.65		3,732.50
ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45		1,004.50
iii)	10 mm sq (7/0.052")	Per Rft.	500	155.7		77,850.00
iv)	16 mm sq (7/0.064")	Per Rft.	50	234.3		11,715.00
viii)	70 mm sq (19/0.083")	Per Rft.	250	917.85		229,462.50
24-11	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-					-
c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-					-
iv)	4 mm sq (7/0.036")	Per Rft.	500	268.75		134,375.00
v)	6 mm sq (7/0.044")	Per Rft.	250	381.4		95,350.00
vi)	10 mm sq (7/0.052")	Per Rft.	300	605.85		181,755.00
vii)	16 mm sq (7/0.064")	Per Rft.	300	926.05		277,815.00
viii)	25 mm sq (19/0.052")	Per Rft.	50	1,426.20		71,310.00
ix)	35 mm sq (19/0.064")	Per Rft.	300	1,919.90		575,970.00
Fans and Exhaust Fans						
24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.					-
a)-i	Plastic body - 10" dia	Each	3	5,235.50		15,706.50
a)-ii	Plastic body - 12" dia	Each	2	5,685.50		11,371.00
	b) Steel body					-
i	12" sweep	Each	1	5,516.75		5,516.75
ii	18" sweep	Each	1	6,641.75		6,641.75

24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
ii)	24" Sweep dia	Each	10	10,703.00		107,030.00
24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
(iii)	56" dia	Each	1	10,180.20		10,180.20
Lightning Protection System						
24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	5	21,210.95		106,054.75
24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System					-
viii)	70 mm ² CU bare conductor	Per Rft	225	850.45		191,351.25
CCTV						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.					-
a)	UTP (Unshielded Twisted pair)					-
(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	3,000	49.2		147,600.00

24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embeded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.					-
ii)	16-Channel	Each	1	116,388.70		116,388.70
24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge					-
iii)	10 TB	Each	1	69,360.00		69,360.00
24-128	Supply, Installation and Connection of L2 Access Switches 24 x Ethernet 10/100/1000 base-T port, min 2x1Gigabit SFP ports with 2x1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364,102.50		364,102.50

24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge					-
b	4 Mega Pixel					-
(i)	Fixed Bullet Type	Each	2	71,535.00		143,070.00
(ii)	Fixed Dome type	Each	6	82,785.00		496,710.00
24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australiaor equivalent or as approved and directed by Engineer Incharge					-
ii	15U size (600x550x770 mm	Each	1	59,379.95		59,379.95
24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641,053.15		641,053.15
	** DATA NETWORK & WIFI SYSTEM**					
	** Data Cabling System**					
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.					-

a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	2,500	69.6		174,000.00
24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.					-
i)	1 meter Patch Cord	Each	10	1,074.40		10,744.00
ii)	3 meter Patch Cord	Each	10	1,309.60		13,096.00
24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	1	4,108.80		4,108.80
24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, ULlisted, Loaded with UTP of specified Keystone Jack Toolless Support, Made of Schneider/ Norden/ 3M Corning/ D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.					-
ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	1	35,405.00		35,405.00
24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.					-
i)	Single I/O	Each	10	1,678.15		16,781.50

24-142	Supply, Installation and commissioning of Core Switches with interface : 10GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP) ,Bandwidth: Tbps or higher with Quad-core processor or higher,MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
i)	24 Ports	Each	1	125,582.25		125,582.25
24-143	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity :90 Mpps,RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei / H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
	24 Ports	Each	1	91,902.00		91,902.00
24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaid/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.					-
a-(ii)	06 Core	PER RFT	500	596.4		298,200.00
24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge					-
a)	Multimode (MM) Ports					-
(ii)	12 Ports	Each	1	64,560.40		64,560.40

24-160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metallic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.					-
	b) Column Type Speaker					-
(iv)	60 Watt	Each	8	80,081.25		640,650.00
24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , completein all respectsmadeof Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.					-
vi)	480 Watt	Each	1	468,983.65		468,983.65
24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge					-
i)	Cordless Microphone with Transmitter	Each	1	151,462.90		151,462.90
24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116,294.25		116,294.25
24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-					-
a)i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5 sqmm (3/.029")	Per Rft	1,000	128.45		128,450.00

24-93	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratings, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, power capacitors, Magnetic contactors, HRC fuses, Power factor controllers, Indication lights, Copper comb, Wiring, Neutral & Earth bar, Door earthing, brass glands, push buttons, CTS, Controled MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge.					-
i)	62.5 KVAR	Each	1	269,555.00		269,555.00
24-85	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY / TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge					-
a)	Single Pole					-
(iii)	6-63 Amp (10 KA)	Each	60	1,459.05		87,543.00
b)	Double Pole					-
	iii) 6-63 Amp (10 KA)	Each	2	5,621.55		11,243.10
24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge					-
a)	Triple Pole					-
(iii)	15-100 Amp (18 KA)	Each	24	12,172.95		292,150.80
viii)	125-150 Amp (36 KA)	Each	5	26,516.70		132,583.50

24-90	(Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/Fwall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).					-
(a)	6" deep					-
(i)	20~60A	P.CFT	50	2,463.70		123,185.00
ii)	75~100A	P.CFT	20	2,604.40		52,088.00
(b)	12" deep					-
(i)	125~150A	P.CFT	20	7,011.65		140,233.00
ii)	160~200A	P.CFT	20	6,188.55		123,771.00
24-91	P/F floor mounted Electric Panel board of required depth and size,fabricated with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switches, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).					-
1	LT Switchboards					-
a)(i)	2.50 Ft deep 250~600A	P. cft	30	4,772.65		143,179.50
24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge					-
i)	Selector Switch	Each	1	1,228.80		1,228.80
(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	6	2,134.30		12,805.80
(iii)	Digital Voltmeter (0-600 Volt)	Each	6	1,012.80		6,076.80

(iv)	Digital Ammeter (0-9999 Amp)	Each	6	1,228.80		7,372.80
(v)	LED Phase Indicator	Each	18	622.8		11,210.40
(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	6	631.15		3,786.90
vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	6	5,373.80		32,242.80
viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	18	1,375.80		24,764.40
ix)	Surge Suppressors	Each	6	1,060.80		6,364.80
x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	1	2,257.80		2,257.80
xi)	Exhaust Fan with Louvers (Make: Imported/Plastim	Each	3	3,832.80		11,498.40
xii)	Temperature Regulator 0~60C	Each	3	2,134.30		6,402.90
xiii)	(Power Capacitors	Each				-
a)	12.5 KVAR	Each	1	16,852.80		16,852.80
b)	25 KVAR	Each	1	25,852.80		25,852.80
	Magnetic Contactor					-
(a)	25 A (AC 3) for 12.5 KVAR	Each	3	10,048.80		30,146.40
b)	40 A (AC 3) for 25 KVAR	Each	3	14,332.80		42,998.40
(xvii)	Power Factor Controller					-
a)	6 Steps	Each	1	55,252.80		55,252.80
Non - Schedule Items						
** Light Fixtures**						
	Ref. Specs Sec. 8001, 8150					-
	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.					-

NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, PF=.95 complete in all respects.	No.	5	9,500.00		47,500.00
NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, complete in all respects.	No.	10	2,500.00		25,000.00
NS-03	15-20 W Surface/ ceiling Mounted LED downlight with bult in integrated driver and frosted glass diffuser	No.	100	3,500.00		350,000.00
NS-04	7-10 W Surface/ ceiling Mounted LED downlight with bult in integrated driver and frosted glass diffuser	No.	5	1,950.00		9,750.00
NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-55 or better rated	No.	20	6,500.00		130,000.00
NS-06	LED EXIT LIGHT 8/10 W	No.	10	9,500.00		95,000.00
	Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation, condensate drain piping including Venture Cladding, fittings insulation, tape wrapping etc, insulation, refrigerant charge thermostate, control between indoor and outdoor units power wiring, conduiting, dura duct / channel mounting brackets and accessories complete in all respect.					-
NS-07	Split Air- Conditioner 1.5 ton	Job	2	350,000.00		700,000.00
NS-08	Cassette ceiling type Air- Conditioner 4 ton	Job	4	1,500,000.00		6,000,000.00
NS-09	Floor standing type Air- Conditioner 4 ton	Job	10	1,200,000.00		12,000,000.00
SWIMMING POOL & GYM						
ELECTRICAL WORKS						
Conduits & Pipes						
24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					-
ii	20 mm i/d	Rft.	15,000	119.35		1,790,250.00
iii	25 mm i/d	Rft.	16,000	138.95		2,223,200.00

vi)	50 mm i/d	Rft.	2,000	238.15		476,300.00
vii)	80 mm i/d	Rft.	500	299.65		149,825.00
viii)	100 mm i/d	Rft.	1,000	377.65		377,650.00
24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenide or approved equilent manufacturer, screws complete as approved and directed by the Engineer Incharge					-
a)	One way Gange Switch (Small)					-
(i)	01 Gange	Each	7	463.2		3,242.40
(ii)	02 Gange	Each	12	704.4		8,452.80
(iii)	Three pin Light Plug 10/13 Amp	Each	50	754.45		37,722.50
(iv)	Telephone / TV/Datacable socket	Each	15	662.45		9,936.75
(v)	Fan Dimmer	Each	1	740.6		740.60
(vi)	Bell push	Each	1	598.2		598.20
(vii)	Three Pin Power Plug 15-32 Amp	Each	20	924.55		18,491.00
b)	One way Gange Switch (Large)		0			-
(i)	04 Gange	Each	8	981.25		7,850.00
(ii)	05 Gange	Each	8	1,151.35		9,210.80
(iii)	06 Gange	Each	8	1,405.85		11,246.80
C)	Two way Gange Switch Small					-
(i)	01 Gange One Way/ Two Way	Each	6	499.9		2,999.40
	Wiring					-
24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-					-
c)	450/750 volts, PVC insulated:					-
ii)	1.5 mm sq (3/0.029")	Per Rft.	18,000	42.4		763,200.00
iii)	2.5 mm sq (7/0.029")	Per Rft.	5,800	62		359,600.00
iv)	4 mm sq (7/0.036")	Per Rft.	5,000	81.85		409,250.00
	LT Cables					-

24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-					-
i)	4 mm sq (7/0.036")	Per Rft.	50	74.65		3,732.50
ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45		1,004.50
iii)	10 mm sq (7/0.052")	Per Rft.	1,000	155.7		155,700.00
iv)	16 mm sq (7/0.064")	Per Rft.	100	234.3		23,430.00
vii)	70 mm sq (19/0.083")	Per Rft.	500	917.85		458,925.00
24-11	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-					-
c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-					-
iv)	4 mm sq (7/0.036")	Per Rft.	600	268.75		161,250.00
v)	6 mm sq (7/0.044")	Per Rft.	250	381.4		95,350.00
vi)	10 mm sq (7/0.052")	Per Rft.	500	605.85		302,925.00
vii)	16 mm sq (7/0.064")	Per Rft.	300	926.05		277,815.00
viii)	25 mm sq (19/0.052")	Per Rft.	500	1,426.20		713,100.00
ix)	35 mm sq (19/0.064")	Per Rft.	600	1,919.90		1,151,940.00
	Fans and Exhaust Fans					-
24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.					-
a)-i	Plastic body - 10" dia	Each	6	5,235.50		31,413.00
a)-ii	Plastic body - 12" dia	Each	4	5,685.50		22,742.00
	b) Steel body					-
i	12" sweep	Each	1	5,516.75		5,516.75
ii	18" sweep	Each	1	6,641.75		6,641.75
24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
ii)	24" Sweep dia	Each	15	10,703.00		160,545.00

24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
(iii)	56" dia	Each	1	10,180.20		10,180.20
	Lightning Protection System					-
24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	5	21,210.95		106,054.75
24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System					-
viii)	70 mm² CU bare conductor	Per Rft	300	850.45		255,135.00
CCTV						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.					-
a)	UTP (Unshielded Twisted pair)					-
(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	5,000	49.2		246,000.00

24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.					-
iii)	32-Channel	Each	1	131,353.50		131,353.50
24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge					-
iii)	10 TB	Each	2	69,360.00		138,720.00
24-128	Supply, Installation and Connection of L2 Access Switches 24xEthernet 10/100/1000 base-T port, min 2x1Gigabit SFP ports with 2x1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	2	364,102.50		728,205.00
24-131	Supply, Installation and Connection of Fiber Optic SC-LC Patch CordsOS2 or OM3 of Specified Length from PoE Switch to ODF Point, UL Listed, Made of Schneider / Norden ,Pollo Australia or equivalent as approved and directed by Engineer Incharge	P.Rft	250	1,922.00		480,500.00

24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge					-
b	4 Mega Pixel					-
(i)	Fixed Bullet Type	Each	4	71,535.00		286,140.00
(ii)	Fixed Dome type	Each	12	82,785.00		993,420.00
24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australiaor equivalent or as approved and directed by Engineer Incharge					-
ii	15U size (600x550x770 mm	Each	2	59,379.95		118,759.90
24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641,053.15		641,053.15
DATA NETWORK & WIFI SYSTEM						
Data Cabling System						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.					-

a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	5,000	69.6		348,000.00
24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.					-
i)	1 meter Patch Cord	Each	15	1,074.40		16,116.00
ii)	3 meter Patch Cord	Each	15	1,309.60		19,644.00
24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	2	4,108.80		8,217.60
24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, Ullisted, Loaded with UTP of specified Keystone Jack Toolless Support, Made of Schneider/ Norden/ 3M Corning/ D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.					-
ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	2	35,405.00		70,810.00
24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.					-
i)	Single I/O	Each	15	1,678.15		25,172.25

24-142	Supply, Installation and commissioning of Core Switches with interface: 10GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP), Bandwidth: Tbps or higher with Quad-core processor or higher, MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
i)	24 Ports	Each	2	125,582.25		251,164.50
24-143	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity: 90 Mpps,RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei/ H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
	24 Ports	Each	1	91,902.00		91,902.00
24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed, in prelaid/pipe, cable tray , including all accessories, made of Norden / Schneider /Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.					-
a(ii)	06 Core	PER RFT	1000	596.4		596,400.00
24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge					-
a)	Multimode (MM) Ports					-
(ii)	12 Ports	Each	1	64,560.40		64,560.40

24-160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metallic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge					-
	b) Column Type Speaker					-
(iv)	60 Watt	Each	8	80,081.25		640,650.00
24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , completein all respectsmadeof Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.					-
vi)	480 Watt	Each	1	468,983.65		468,983.65
24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge					-
i)	Cordless Microphone with Transmitter	Each	1	151,462.90		151,462.90
24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116,294.25		116,294.25
24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-					-
a)-i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5sqm (3/.029")	Per Rft	1,000	128.45		128,450.00

24-93	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratings, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, power capacitors, Magnetic contactors, HRC fuses, Power factor controllers, Indication lights, Copper comb, Wiring, Neutral & Earth bar, Door earthing, brass glands, push buttons, CTS, Control MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge.					-
i)	62.5KVAR	Each	1	269,555.00		269,555.00
24-85	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge					-
a)	Single Pole					-
(iii)	6-63 Amp (10 KA)	Each	100	1,459.05		145,905.00
b)	Double Pole					-
	iii) 6-63 Amp (10 KA)	Each	2	5,621.55		11,243.10
24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge					-
a)	Triple Pole					-
(iii)	15-100 Amp(18 KA)	Each	48	12,172.95		584,301.60
viii)	125-150 Amp(36 KA)	Each	10	26,516.70		265,167.00
(ix)	200-250 Amp(36 KA)	Each	6	47,329.20		283,975.20
x)	300-630 Amp(36 KA)	Each	2	93,383.35		186,766.70

24-90	(Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector switch, Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).					-
(a)	6" deep					-
(i)	20~60A	P.CFT	100	2,463.70		246,370.00
ii)	75~100A	P.CFT	50	2,604.40		130,220.00
(b)	12" deep					-
(i)	125~150A	P.CFT	40	7,011.65		280,466.00
ii)	160~200A	P.CFT	40	6,188.55		247,542.00
24-91	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).					-
1	LT Switchboards					-
a)(i)	2.50 Ft deep 250~600A	P. cft	50	4,772.65		238,632.50
24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge					-
i)	Selector Switch	Each	2	1,228.80		2,457.60
(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	12	2,134.30		25,611.60
(iii)	Digital Voltmeter (0-600 Volt)	Each	12	1,012.80		12,153.60
(iv)	Digital Ammeter (0-9999 Amp)	Each	12	1,228.80		14,745.60

(v)	LED Phase Indicator	Each	36	622.8		22,420.80
(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	12	631.15		7,573.80
vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	12	5,373.80		64,485.60
viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	36	1,375.80		49,528.80
ix)	Surge Suppressors	Each	12	1,060.80		12,729.60
x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	2	2,257.80		4,515.60
xi)	Exhaust Fan with Louvers (Make: Imported/Plastim	Each	6	3,832.80		22,996.80
xii)	Temperature Regulator 0~60C	Each	6	2,134.30		12,805.80
xiii)	(Power Capacitors	Each				-
a)	12.5 KVAR	Each	2	16,852.80		33,705.60
b)	25 KVAR	Each	2	25,852.80		51,705.60
c)	50 KVAR	Each	1	66,052.80		66,052.80
	Magnetic Contactor					-
(a)	25 A (AC 3) for 12.5 KVAR	Each	6	10,048.80		60,292.80
b)	40 A (AC 3) for 25 KVAR	Each	6	14,332.80		85,996.80
(xvii)	Power Factor Controller					-
a)	6 Steps	Each	2	55,252.80		110,505.60
Non -Schedule Items						
Light Fixtures						
	Ref. Specs Sec. 8001, 8150					-
	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.					-

NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, PF=.95 complete in all respects.	No.	10	9,500.00		95,000.00
NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, complete in all respects.	No.	20	2,500.00		50,000.00
NS-03	15-20 W Surface/ ceiling Mounted LED downlight with bult in integrated driver and frosted glass diffuser	No.	300	3,500.00		1,050,000.00
NS-04	7-10 W Surface/ ceiling Mounted LED downlight with bult in integrated driver and frosted glass diffuser	No.	5	1,950.00		9,750.00
NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-55 or better rated	No.	20	6,500.00		130,000.00
NS-06	LED EXIT LIGHT 8/10 W	No.	20	9,500.00		190,000.00
NS-07	20 watt under water light ip 67	No.	20	45,000.00		900,000.00
	Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding , fittings insulation,tape wrapping etc , insulation,refrigerant charge thermostate ,control between indoor and outdoor units power wiring , conduiting , dura duct / channel mounting brackets and accessories complete in all respect.					-
NS-08	Split Air- Conditioner 1.5 ton	Job	4	350,000.00		1,400,000.00
NS-09	Cassette ceiling type Air- Conditioner 4 ton	Job	4	1,500,000.00		6,000,000.00
NS-10	Floor standing type Air- Conditioner 4 ton	Job	15	1,200,000.00		18,000,000.00
BADMINTON HAL						
ELECTRICAL WORKS						
Conduits & Pipes						
24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					-
ii	20 mm i/d	Rft.	3,800	119.35		453,530.00

iii	25 mm i/d	Rft.	3,700	138.95		514,115.00
vi)	50 mm i/d	Rft.	500	238.15		119,075.00
vii)	80 mm i/d	Rft.	250	299.65		74,912.50
viii)	100 mm i/d	Rft.	800	377.65		302,120.00
24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equivilent manufacturer, screws complete as approved and directed by the Engineer Incharge					-
a)	One way Gange Switch (Small)					-
(i)	01 Gange	Each	3	463.2		1,389.60
(ii)	02 Gange	Each	5	704.4		3,522.00
(iii)	Three pin Light Plug 10/13 Amp	Each	22	754.45		16,597.90
(iv)	Telephone / TV/Datacable socket	Each	10	662.45		6,624.50
(v)	Fan Dimmer	Each	1	740.6		740.60
(vi)	Bell push	Each	1	598.2		598.20
(vii)	Three Pin Power Plug 15-32 Amp	Each	8	924.55		7,396.40
b)	One way Gange Switch (Large)		0			-
(i)	04 Gange	Each	4	981.25		3,925.00
(ii)	05 Gange	Each	4	1,151.35		4,605.40
(iii)	06 Gange	Each	4	1,405.85		5,623.40
C)	Two way Gange Switch Small					-
(i)	01 Gange One Way/ Two Way	Each	3	499.9		1,499.70
Wiring						
24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-					-
c)	450/750 volts, PVC insulated:					-
ii)	1.5 mm sq (3/0.029")	Per Rft.	6,500	42.4		275,600.00
iii)	2.5 mm sq (7/0.029")	Per Rft.	3,300	62		204,600.00
iv)	4 mm sq (7/0.036")	Per Rft.	2,800	81.85		229,180.00
LT Cables						

24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-					-
i)	4 mm sq (7/0.036")	Per Rft.	50	74.65		3,732.50
ii)	6 mm sq (7/0.044")	Per Rft.	10	100.45		1,004.50
iii)	10 mm sq (7/0.052")	Per Rft.	250	155.7		38,925.00
iv)	16 mm sq (7/0.064")	Per Rft.	50	234.3		11,715.00
24-11	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-					-
c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-					-
iv)	4 mm sq (7/0.036")	Per Rft.	250	268.75		67,187.50
v)	6 mm sq (7/0.044")	Per Rft.	20	381.4		7,628.00
vi)	10 mm sq (7/0.052")	Per Rft.	150	605.85		90,877.50
vii)	16 mm sq (7/0.064")	Per Rft.	150	926.05		138,907.50
viii)	25 mm sq (19/0.052")	Per Rft.	20	1,426.20		28,524.00
ix)	35 mm sq (19/0.064")	Per Rft.	150	1,919.90		287,985.00
	Fans and Exhaust Fans					-
24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.					-
a)-i	Plastic body - 10" dia	Each	2	5,235.50		10,471.00
a)-ii	Plastic body - 12" dia	Each	1	5,685.50		5,685.50
	b) Steel body					-
i	12" sweep	Each	1	5,516.75		5,516.75
ii	18" sweep	Each	0	6,641.75		-
24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
ii)	24" Sweep dia	Each	4	10,703.00		42,812.00

24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
(iii)	56" dia	Each	1	10,180.20		10,180.20
Lightning Protection System						
24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	2	21,210.95		42,421.90
24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System					-
viii)	70 mm ² CU bare conductor	Per Rft	200	850.45		170,090.00
CCTV						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.					-
a)	UTP (Unshielded Twisted pair)					-
(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	1,200	49.2		59,040.00

24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embeded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge					-
ii)	16-Channel	Each	1	116,388.70		116,388.70
24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge					-
iii)	10 TB	Each	1	69,360.00		69,360.00
24-128	Supply, Installation and Connection of L2 Access Switches 24 x Ethernet 10/100/1000 base-T port, min 2 x 1 Gigabit SFP ports with 2 x 1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364,102.50		364,102.50
24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge					-

b	4 Mega Pixel					-
(i)	Fixed Bullet Type	Each	1	71,535.00		71,535.00
(ii)	Fixed Dome type	Each	5	82,785.00		413,925.00
24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge					-
ii	15U size (600 x 550 x 770 mm)	Each	1	59,379.95		59,379.95
24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1	641,053.15		641,053.15
DATA NETWORK & WIFI SYSTEM						
Data Cabling System						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23AWG UL/ EN listed cable *Conforming to following standards: TIA/EIA568/ISO/IEC11801, in prelaidd conduit/ cable tray from including all accessories, Manufacturer/ OEM Authorization, Make: Schneider/ i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respect as approved and directed by Engineer Incharge.					-
a-ii)	UTP (Unshielded Twisted pair) CAT-6A (Min.1G/ 10G @ 500MHz or higher)	P.Rft	1,500	69.6		104,400.00
24-119	Supply, installation and connections of CAT-6A UTP (Unsheilded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots-Gold over nickel plated made of Schneider, Pollo Australia or equivalent as approved and directed by Engineer Incharge.					-
i)	1 meter Patch Cord	Each	8	1,074.40		8,595.20
ii)	3 meter Patch Cord	Each	8	1,309.60		10,476.80

24-124	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top-UL Listed. Made of Schneider/ i Connect UK/ 3M Corning :Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	1	4,108.80		4,108.80
24-125	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, UListed, Loaded with UTP of specified Keystone Jack Toolless Support, Made of Schneider/ Norden/ 3M Corning/ D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.					-
ii)	CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	1	35,405.00		35,405.00
24-141	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.					-
i)	Single I/O	Each	8	1,678.15		13,425.20
24-142	Supply, Installation and commissioning of Core Switches with interface : 10GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP) ,Bandwidth: Tbps or higher with Quad-core processor or higher,MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
i)	24 Ports	Each	1	125,582.25		125,582.25

24-143	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity :90 Mpps,RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei / H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge.					-
	24 Ports	Each	1	91,902.00		91,902.00
24-144	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaidd/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge.					-
a(ii)	06 Core	PER RFT	250	596.4		149,100.00
24-145	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtaills, Fully loaded DUPLEX SC Couplers& Pigtail supplied with Patch Leads (LC SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge					-
a)	Multimode (MM) Ports					-
(ii)	12 Ports	Each	1	64,560.40		64,560.40
24--160	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metalic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and matierlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.					-
	b) Column Type Speaker					-
(iv)	60 Watt	Each	4	80,081.25		320,325.00

24-162	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials , complete in all respects made of Ecler Europe/Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.					-
vi)	480 Watt	Each	1	468,983.65		468,983.65
24-165	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge					-
i)	Cordless Microphone with Transmitter	Each	1	151,462.90		151,462.90
24-166	Supplying, Installation of musical source multiformat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge	Each	1	116,294.25		116,294.25
24-15	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-					-
a)-i	Flexible 3 core, 600/1000 volt non armoured cable:- 1.5 sqmm (3/.029")	Per Rft	500	128.45		64,225.00
24-85	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaidd DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge					-
a)	Single Pole					-
(iii)	6-63 Amp (10 KA)	Each	40	1,459.05		58,362.00
b)	Double Pole					-
iii)	6-63 Amp (10 KA)	Each	1	5,621.55		5,621.55

24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaiddBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge					-
a)	Triple Pole					-
(iii)	15-100 Amp(18 KA)	Each	12	12,172.95		146,075.40
viii)	125-150 Amp(36 KA)	Each	3	26,516.70		79,550.10
24-90	(Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).					-
(a)	6" deep					-
(i)	20~60A	P.CFT	30	2,463.70		73,911.00
ii)	75~100A	P.CFT	20	2,604.40		52,088.00
(b)	12" deep					-
(i)	125~150A	P.CFT	20	7,011.65		140,233.00
24-91	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)					-
1	LT Switchboards					-

a)(i)	2.50 Ft deep 250~600A	P. cft	20	4,772.65		95,453.00
24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge					-
i)	Selector Switch	Each	1	1,228.80		1,228.80
(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	6	2,134.30		12,805.80
(iii)	Digital Voltmeter (0-600 Volt)	Each	6	1,012.80		6,076.80
(iv)	Digital Ammeter (0-9999 Amp)	Each	6	1,228.80		7,372.80
(v)	LED Phase Indicator	Each	9	622.8		5,605.20
(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	6	631.15		3,786.90
vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	6	5,373.80		32,242.80
viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	9	1,375.80		12,382.20
ix)	Surge Suppressors	Each	6	1,060.80		6,364.80
x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	1	2,257.80		2,257.80
xi)	Exhaust Fan with Louvers (Make: Imported/Plastim	Each	3	3,832.80		11,498.40
xii)	Temperature Regulator 0~60C	Each	3	2,134.30		6,402.90
xiii)	(Power Capacitors	Each				-
a)	12.5 KVAR	Each	1	16,852.80		16,852.80
b)	25 KVAR	Each	1	25,852.80		25,852.80
	Magnetic Contactor					-
(a)	25 A (AC 3) for 12.5 KVAR	Each	3	10,048.80		30,146.40
b)	40 A (AC 3) for 25 KVAR	Each	3	14,332.80		42,998.40
(xvii)	Power Factor Controller					-
a)	6 Steps	Each	1	55,252.80		55,252.80
Non - Schedule Items						
Light Fixtures						
	Ref. Specs Sec. 8001, 8150					-

	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.					-
NS-01	40 watt Surface mounted Damp proof LED Light Fixture with 4400 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, PF=.95 complete in all respects.	No.	2	9,500.00		19,000.00
NS-02	(16-20) Watt Surface mounted LED batten Light Fixture with 2000 lumens min., 30000 Life Hrs. fixed output LED driver, IP20 rated, complete in all respects.	No.	6	2,500.00		15,000.00
NS-03	15-20 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	60	3,500.00		210,000.00
NS-04	7-10 W Surface/ ceiling Mounted LED downlight with built in integrated driver and frosted glass diffuser	No.	5	1,950.00		9,750.00
NS-05	Outdoor type LED bulkhead wall light of minimum 1500 lumens light output, IP-55 or better rated	No.	8	6,500.00		52,000.00
NS-06	LED EXIT LIGHT 8/10 W	No.	5	9,500.00		47,500.00
	Supply & Installation of split/ Cassette type reversible Air conditioning units Wall/ ceiling Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding , fittings insulation,tape wrapping etc , insulation,refrigerant charge thermostate ,control between indoor and outdoor units power wiring , conduiting , dura duct / channel mounting brackets and accessories complete in all respect.					-
NS-07	Split Air- Conditioner 1.5 ton	Job	4	350,000.00		1,400,000.00
NS-08	Floor standing type Air- Conditioner 4 ton	Job	4	1,200,000.00		4,800,000.00

EXTERNAL Electrical Works						
ELECTRICAL WORKS						
Conduits & Pipes						
24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					-
ii	20 mm i/d	Rft.	1,000	119.35		119,350.00
iii	25 mm i/d	Rft.	1,000	138.95		138,950.00
vi)	50 mm i/d	Rft.	3,000	238.15		714,450.00
vii)	80 mm i/d	Rft.	1,000	299.65		299,650.00
viii)	100 mm i/d	Rft.	2,000	377.65		755,300.00
24-105	P/F PVC doublelayer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenide or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge					-
a)	One way Gange Switch (Small)					-
(i)	01 Gange	Each	4	463.2		1,852.80
(ii)	02 Gange	Each	2	704.4		1,408.80
(iii)	Three pin Light Plug 10/13 Amp	Each	5	754.45		3,772.25
(vii)	Three Pin Power Plug 15-32 Amp	Each	10	924.55		9,245.50
Wiring						
24-8	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-					-
c)	450/750 volts, PVC insulated:					-
ii)	1.5 mm sq (3/0.029")	Per Rft.	2,000	42.4		84,800.00
iii)	2.5 mm sq (7/0.029")	Per Rft.	2,000	62		124,000.00
iv)	4 mm sq (7/0.036")	Per Rft.	4,000	81.85		327,400.00
LT Cables						

24-10	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-					-
i)	4 mm sq (7/0.036")	Per Rft.	100	74.65		7,465.00
ii)	6 mm sq (7/0.044")	Per Rft.	100	100.45		10,045.00
iii)	10 mm sq (7/0.052")	Per Rft.	200	155.7		31,140.00
iv)	16 mm sq (7/0.064")	Per Rft.	200	234.3		46,860.00
v)	25 mm sq (19/0.052")	Per Rft.	500	358.5		179,250.00
24-11	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-					-
b)	Three core, 600/1000 volt cable:-					-
iii)	7/0.74 mm (7/0.029")	Per Rft.	3,000	141.1		423,300.00
c)	PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-					-
iv)	4 mm sq (7/0.036")	Per Rft.	200	268.75		53,750.00
v)	6 mm sq (7/0.044")	Per Rft.	100	381.4		38,140.00
vi)	10 mm sq (7/0.052")	Per Rft.	250	605.85		151,462.50
vii)	16 mm sq (7/0.064")	Per Rft.	2,000	926.05		1,852,100.00
viii)	25 mm sq (19/0.052")	Per Rft.	600	1,426.20		855,720.00
Fans and Exhaust Fans						
24-102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.					-
a-i	Plastic body - 10" dia	Each	2	5,235.50		10,471.00
24-103	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-
ii)	24" Sweep dia	Each	1	10,703.00		10,703.00
24-104	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.					-

(iii)	56" dia	Each	1	10,180.20		10,180.20
Lightning Protection System						
24-111	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers plugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing)	P.Job	80	21,210.95		1,696,876.00
24-113	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System					-
viii)	70 mm² CU bare conductor	Per Rft	1,000	850.45		850,450.00
CCTV						
24-116	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaidd conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.					-
a)	UTP (Unshielded Twisted pair)					-
(i)	CAT-6 (Min.1G @ 250MHz or higher) (for cctv and parking managemnet system	Per Rft	6,500	49.2		319,800.00
24-126	Supply & Installation of NVR (Network Video Recorder) for Real TimeView of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embeded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.					-

iii)	32-Channel	Each	1	131,353.50		131,353.50
24-127	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge					-
iii)	10 TB	Each	2	69,360.00		138,720.00
24-128	Supply, Installation and Connection of L2 Access Switches 24xEthernet 10/100/1000 base-T port, min 2x1Gigabit SFP ports with 2x1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	1	364,102.50		364,102.50
24-129	Supply, Installation and Connection of Layer-3, CoreSwitches, of specified speeds, supporting 10 Giga SFP+ (Small Form Pluggable +) Tranceiver, Switching Capacity at least 500 Gbps or higher ,supporting bidirectional ACL,port-based ACL., Stackable or Cluster setup complete with stacking cable, Stack modules, necessary licenses made of Cisco/ HP / Planet/Huawei/H3C Pollo Australia or equivalent approved manufacturer i/c the cost of tags as approved and directed by Engineer Incharge					-
a)	10/100/1000					-
(i)	12 port(SFP)	Each	2	645,777.75		1,291,555.50
24-130	Supply and installation of ODF (Optical Distribution frame) having specified ports,mounting tray loaded, including Splicing, labeling, tagging, support for OM3 multi mode fibre, duplex adopters, and simplex pig-tails. Make Schneider, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge					-
(ii)	12 Port	Each	1	69,148.50		69,148.50

24-131	Supply, Installation and Connection of Fiber Optic SC-LC Patch Cords OS2 or OM3 of Specified Length from PoE Switch to ODF Point, UL Listed, Made of Schneider / Norden ,Pollo Australia or equivalent as approved and directed by Engineer Incharge	P.Rft	500	1,922.00		961,000.00
24-132	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent as approved as directed by the Engineer Incharge					-
b	4 Mega Pixel					-
(i)	Fixed Bullet Type	Each	25	71,535.00		1,788,375.00
24-139	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP/ Dell , Pollo Australiaor equivalent or as approved and directed by Engineer Incharge					-
ii	15U size (600 x 550 x 770 mm	Each	2	59,379.95		118,759.90
24-138	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	5	641,053.15		3,205,265.75
24-136	Supply, installation & connecting outdoor PTZ (Pan-Tilt-Zoom),IP based Camera of specified resolution, lens,motorized varfocal,AL & AF function,specified optical zoom,D/N function-IR cut filter,Video content analysis,micro SD card support, Min, illumination:face recognition, specified IR LED range RANGE i/c the cost of mounting bracket, accessories, made of AXIS Europe/NOVAS Europe/Avigilon by Motorla USA/Bosch Germany, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge					-

iii)	4.0 MPxl, Optical zoom 30x,Digital zoom 16x,,laser distance 200 meter, Main stream H-264+/265+, sub stream H.264/265, Third Stream H.264/265, Max resolution 2560 x 1440 with 30 fps, IP-67	Each	1	520,635.00		520,635.00
24-69	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 70x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge					-
	a) Single Arm					-
(i)	8 mtr height	Each	40	107,310.30		4,292,412.00
24-70	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (Harvard/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating device i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.					-
a)	140 Lm/Watt					-
iv)	90 Watt with 12600 Lumens	Each	40	41,540.40		1,661,616.00

24-93	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratings, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, power capacitors, Magnetic contactors, HRC fuses, Power factor controllers, Indication lights, Copper comb, Wiring, Neutral & Earth bar, Door earthing, brass glands, push buttons, CTS, Control MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge.					-
i)	62.5KVAR	Each	1	269,555.00		269,555.00
24-85	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY / TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge					-
a)	Single Pole					-
(iii)	6-63 Amp (10 KA)	Each	48	1,459.05		70,034.40
b)	Double Pole					-
iii)	6-63 Amp (10 KA)	Each	2	5,621.55		11,243.10
24-86	Supplying ,Installation and commissioning of MCCB FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as (Moulded Case Circuit Breaker) of specified rating made of LEGRAND approved and directed by the Engineer Incharge					-
a)	Triple Pole					-
(iii)	15-100 Amp(18 KA)	Each	2	12,172.95		24,345.90
viii)	125-150 Amp(36 KA)	Each	1	26,516.70		26,516.70

24-90	(Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter ,Digital Ammeter, Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer P/F wall mounted DB (Distribution Board) made with 16SWG Sheet Incharge (Breakers will be Paid Separately).					-
(a)	6" deep					-
(i)	20~60A	P.CFT	20	2,463.70		49,274.00
ii)	75~100A	P.CFT	10	2,604.40		26,044.00
24-92	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendable, insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights, Brass glands, Netural & Earth bar, thimbles, Digital volt meter/ Amp meter, Selector switch, Current transformers, Controles, Channels, Copper bus bars of specified capacity, Relays, Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers wil be paid additionally)					-
	b) 2.00 Ft deep (i)125-250 KVA	Each	1	2,349,389.05		2,349,389.05
24-94	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge					-
i)	Selector Switch	Each	5	1,228.80		6,144.00
(ii)	Current Transformer Coil (Make: Metelx/Fico)	Each	10	2,134.30		21,343.00

(iii)	Digital Voltmeter (0-600 Volt)	Each	4	1,012.80		4,051.20
(iv)	Digital Ammeter (0-9999 Amp)	Each	10	1,228.80		12,288.00
(v)	LED Phase Indicator	Each	12	622.8		7,473.60
(vi)	Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	15	631.15		9,467.25
vii)	Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	18	5,373.80		96,728.40
viii)	Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	18	1,375.80		24,764.40
ix)	Surge Suppressors	Each	6	1,060.80		6,364.80
x)	Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	5	2,257.80		11,289.00
xi)	Exhaust Fan with Louvers (Make: Imported/Plastim	Each	5	3,832.80		19,164.00
xii)	Temperature Regulator 0~60C	Each	6	2,134.30		12,805.80
xiii)	(Power Capacitors	Each				-
a)	12.5 KVAR	Each	1	16,852.80		16,852.80
b)	25 KVAR	Each	1	25,852.80		25,852.80
c)	50 KVAR	Each	1	66,052.80		66,052.80
(d)	100 KVAR	Each	1	188,030.40		188,030.40
	Magnetic Contactor					-
(a)	25 A (AC 3) for 12.5 KVAR	Each	2	10,048.80		20,097.60
b)	40 A (AC 3) for 25 KVAR	Each	3	14,332.80		42,998.40
©	80 A (AC 3) for 50 KVAR	Each	2	26,932.80		53,865.60
(xvii)	Power Factor Controller					-
a)	6 Steps	Each	1	55,252.80		55,252.80
b)	12 Steps	Each	1	64,252.80		64,252.80
Non - Schedule Items						
HT CABLES & SYSTEM (8.7/15 kV)						
	(Ref. Specification Section-8001 8211)					-
NS-01	Supply & Installation of 1 core, 240 mm2 8.7/15 kV Aluminum conductors, XLPE cable as per requirements of the MV distribution system as per WAPDA/IESCO standards.	Meter	40	5,100.00		204,000.00
	TRANSFORMERS					-

NS-02	Supply, Installation, testing , Commissioning, of Outdoor type 400KVA, three phase, 11/0.415 kV PAD mounted transformer.The complete unit shall be designed, fabricated and commissioned as per latest WAPDA's technical specifications. It shall also include the cost of mounting and installation material.	Job	1	6,240,000		6,240,000.00
	Light Fixtures					-
	Ref. Specs Sec. 8001, 8150					-
	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders,SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 110 Lumens/watt. Operating Life 30,000hrs, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.					-
NS-15	10 W LED Flood light with bult in integrated driver and frosted glass diffuser IP 65	No.	10	5,600.00		56,000.00
NS-16	200 W LED Flood light with bult in integrated driver and frosted glass diffuser IP 65	No.	60	55,000.00		3,300,000.00
NS-17	Outdoor type LED Bollard light of minimum 1800 lumens light output, IP-55 or better rated	No.	40	25,000.00		1,000,000.00
	LOW VOLTAGE D.G. SET Ref. Spec. Sec. 8001, 8111, 8240.					-
NS-28	Supply, installation , testing and commissioning of 300 kVA, Prime Rating 415 volt D.G. Set skid mounted including control / Instrument Panels, generator Panel, fuel day tank and all accessories along with Sound proof Canopy, manufactured for 300 kVA Prime D.G. Set. etc. complete in all respect including factory testing expenditure as mentioned in Clause 13 of Section 8001.	Job.	1	23,700,000.00		23,700,000.00
FIREFIGHTING WORKS						

Schedule Items						
BILLIARD ROOM						
23 / 54	Providing and fixing of fire extinguishers of following type and capacities complete in all respect as approved and directed by the Engineer Incharge:					-
i)	Dry Chemical Powder capacity 6 Kg	Each	1	13,329.60		13,329.60
ii)	CO2 Capacity 5 kg.	Each	1	33,067.20		33,067.20
CAFÉ / CIGAR ROOM						
23 / 54	Providing and fixing of fire extinguishers of following type and capacities complete in all respect as approved and directed by the Engineer Incharge:					-
i)	Dry Chemical Powder capacity 6 Kg	Each	2	13,329.60		26,659.20
ii)	CO2 Capacity 5 kg.	Each	2	33,067.20		66,134.40
iv)	K-Type wet chemical capacity 6 Litters.	Each	2	48,232.80		96,465.60
SWIMMING POOL						
23 / 54	Providing and fixing of fire extinguishers of following type and capacities complete in all respect as approved and directed by the Engineer Incharge:					-
i)	Dry Chemical Powder capacity 6 Kg	Each	3	13,329.60		39,988.80
ii)	CO2 Capacity 5 kg.	Each	2	33,067.20		66,134.40
Non-Schedule Items						
PUMPING MACHINERY						
NS-01	Automatically operated submersible drainage pump set to be installed in Basement-sump pit, comprising 01No. pump (minimum particle passage : 25mm) including all accessories, pulling chain, Motor Control panel, level switches, gate valves, non return valves, manual tools spare parts, complete in all respects as per drawings and specs of approved make, pump of the following capacity and pumping head. Capacity = 30 gpm Head =02Bars	Job	1	708,000		708,000.00
PEDAL COURT						

ELECTRICAL WORKS-BUILDING						
Non-Schedule Items						
NSI-01	Providing and Supplying Electricity and Lights Wiring with 7/29 Guage Wire (Pakistan Cable/Fast Cable) 4 x Lights 350 watts each Philips Lumileds Luxeon 3030 2D Model Life Span of PCB: 50,000hrs Light Source Efficiency (lm/w): 210lm/w Driver Brand: Philips IP Class: Module IP 66 complete in all respects.	No	4	165,938.00		663,752.00
BOX CRICKET /FUTSAL GROUND						
ELECTRICAL WORKS-BUILDING						
Non-Schedule Items						
NSI-05	Providing and Supplying Electricity and Lights Wiring with 7/29 Gauge Wire (Pakistan Cable/Fast Cable) Lights 200 watts each Philips Lumileds Luxeon 3030 2D Model Life Span of PCB: 50,000hrs Light Source Efficiency (lm/w): 210 lm/w Driver Brand: Philips IP Class: Module IP 66 complete in all respects.	No	14	39,515.00		553,210.00
	Lump Sum Provision	qty	1	100,000,000.00		100,000,000.00

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: _____	

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	

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:	

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

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

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

Name of Bidder

Position [#1]: <i>[title of position from Form PER-1]</i>		
Personnel information	Name:	Date of birth:
	Address:	E-mail:
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i>	
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
<i>[main project details]</i>	<i>[role and responsibilities on the project]</i>	<i>[time in role]</i>	<i>[describe the experience relevant to this position]</i>

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 or Key Personnel is available to work on this contract]
Time commitment:	[insert period (start and end dates) for which this Contractor’s Representative or Key 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		

Past Experience / Contracts

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



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)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Procuring Agency: <i>[insert full name]</i> Address of Procuring Agency: <i>[insert street/city/country]</i> Reason(s) for nonperformance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
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)

<i>[insert year]</i>	<i>[insert amount]</i>	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Procuring Agency: <i>[insert full name]</i> Address of Procuring Agency: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Procuring Agency" or "Supplier"]</i> Status of dispute: <i>[Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]</i>	<i>[insert amount]</i>
☐ 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)
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Procuring Agency: <i>[insert full name]</i> Address of Procuring Agency: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Procuring Agency" or "Supplier"]</i> Court/ arbitral award decision: <i>[Indicate if the award decision was against the Applicant or any member of a joint venture.]y]</i>	<i>[insert amount]</i>

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 statements¹ 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
<i>[indicate calendar year]</i>	<i>[insert amount and indicate currency]</i>		
		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.