

Standard Bidding Document

EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT) (Works)

National

Single Stage-Two Envelope



July 20, 2026

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REQUEST FOR BIDS

PROCUREMENT OF CIVIL WORKS

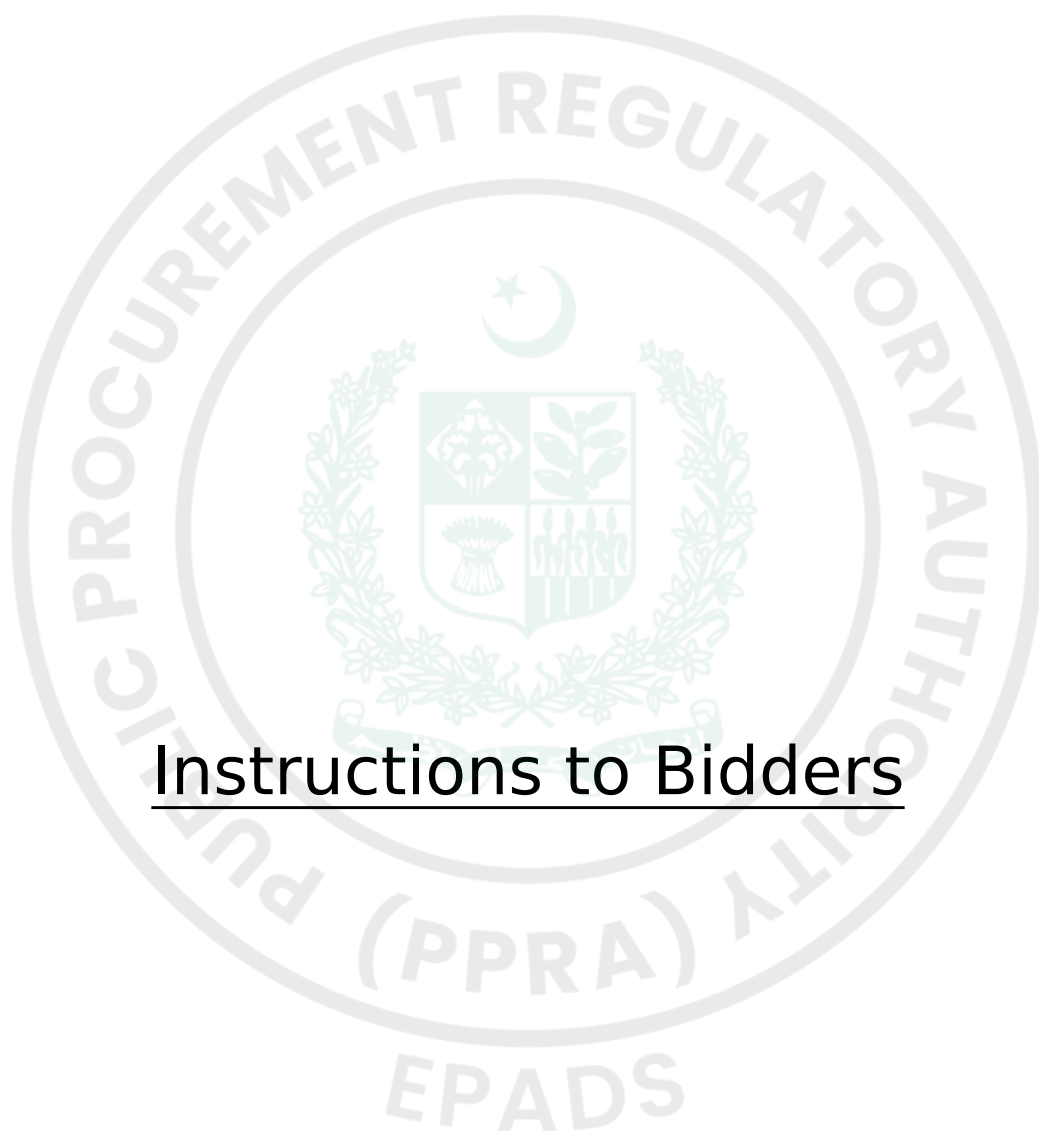
1. The **NDMA (National Disaster Management Authority (NDMA))** has reserved Funds for the procurement planned for FY **2026-27**. The **NDMA (National Disaster Management Authority (NDMA))** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT)**" with the reference of "**P66746**".
2. The **NDMA (National Disaster Management Authority (NDMA))** invites electronic Bids from eligible Bidders for procurement of Works (**EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT)**) described in the bidding documents on **EPADS v2.0**.
3. **Single Stage-Two Envelope** will be used by adopting **Quality and Cost Based Selection (QCBS)** 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, Bank Guarantee, Demand Draft**. 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/66746>** 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 **Thursday, August 6, 2026 11:00 AM**. E-bids will be opened by using **EPADS v2.0** on

the same day at **Thursday, August 6, 2026 11:30 AM**. Manual submission of Bids shall not be entertained. Those vendor who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://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: **NDMA (National Disaster Management Authority (NDMA))**

The subject of procurement is: **EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT)**

Period for completion of the works **90 Days**

Commencement date execution of the works: **5 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: **P66746**

ITB Number3.1

JV/Consortium or Association Allowed: **No**

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

B. Bidding Documents

ITB Number6.4

The Bidders may seek clarifications through **EPADS v2.0: Last Clarification Date: Monday, July 27, 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

No

ITB Number 9.4 (b)

Other procurement specific documentation requirements are:

Supporting Documents

1. Company registered office including manpower and outlets details.
2. Proof of authorized dealership / distributor where applicable.
3. List of previous clients showing relevant experience and satisfactory report (completion certificate/ purchase orders etc.).
4. Bank statement for the past two years showing healthy financial transaction. v. Last Three Financial Years Audit Report verified by Chartered Accountant Firm
5. Bidders unable to fulfill the above-mentioned mandatory documents and failure to provide the supporting documents shall be treated as technically disqualified and will not be considered for further evaluation.

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 Number13.1

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

ITB Number15.1

The Bid Validity period shall be **90 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, Bank Guarantee, Demand Draft**

D. Submission of Bids

ITB Number19.1

The deadline for Bid submission is:**Thursday, August 6, 2026 11:00 AM**

Address for submission of Original Bid Security:**Near ITP Office, Main Murree Road, Islamabad Capital Territory**

ITB Number21.1

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

Day : **Thursday**

Date: **August 06, 2026**

Time : **11:30 AM**

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

Quality and Cost Based Selection (QCBS)

see Evaluation Criteria

ITB Number29.1

Domestic preference to apply.

Domestic preference:**Yes**

The Percentage of Domestic Preference is 100%

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.

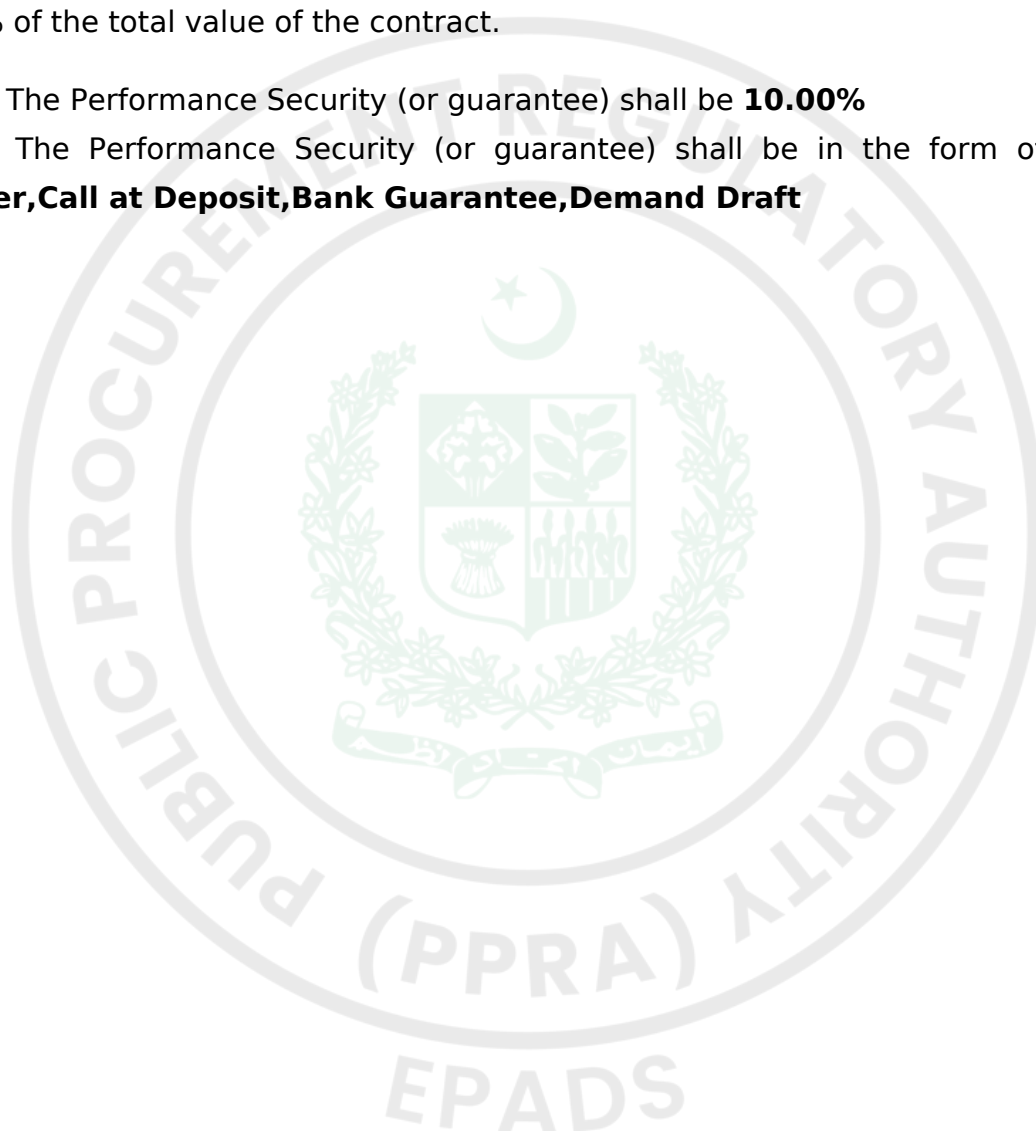
ITB Number32.2

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:**Pay Order,Call at Deposit,Bank Guarantee,Demand Draft**



Eligibility Criteria

Bidder's Type	Required Registration
Sole Proprietorship	FBR (NTN)
Partnership Firm	FBR (GSTN)
Company (Private Limited)	SECP
Company (Public Limited)	PEC
Company (Holding Company)	
Company (Limited by Guarantee)	
State Owned Enterprise (Private Limited)	
State Owned Enterprise (Public Limited)	

Eligibility Criteria	Document
Annual Average Turnover Certificate Last 3 years (Rs. 2000 million & above)	Yes
Audited Financial Statement of last 3 years showing Annual Average Turnover of Rs. 2000 million & above.	Yes
Income Tax Returns for the last 3 years	Yes
PEC Registration Certificate of Category C-1 or Above	Yes
Minimum 8 years of experience in civil construction works	Yes
An Affidavit on Rs. 100/- stamp paper duly attested by Notary Public, that the firm is not blacklisted by the government/ semi government department as per specimen attached.	Yes
An Affidavit on Rs. 100/- stamp paper duly attested by Notary Public, that the firm is not involved in any active legal disputes, corruption cases or blacklisting proceedings with government entities.	Yes

Evaluation Criteria

Quality and Cost Based Selection (QCBS)

Technical Marks	70
Passing Marks	49
Technical Evaluation Criteria	
Firm Experience of civil work (Quantitative)(Doc Required)	10
More than 15 Years (10)	
10 years (6)	
5 years (4)	
Similar Nature project Experience having worth of Rs. 2000 million or above (Quantitative)(Doc Required)	10
Three or more similar projects Completed (10)	
Two Project (6)	
One Project (3)	

Key Personnel (Quantitative)(Doc Required) Key Personnel (10) Project Manager (4) Structural Engineer (3) Electrical / IT Engineer (2) Mechanical Engineer (1)	10
Construction Equipment (Quantitative)(Doc Required) Construction Equipment (All Type of Construction Equipment) (10) Batching Plant (4) Excavator (3) Cranes (2) Survey Equipment (1)	10
Financial Capabilities (Quantitative)(Doc Required) Average Annual Turnover $\geq$ Rs. 2500 Million (10) Average Annual Turnover $\geq$ Rs2200 Million (6) Average Annual Turnover $\geq$ Rs 2000 Million (4)	10

Work Plan & Methodology (Quantitative)(Doc Required) Work Plan & Methodology (10) Project Schedule (CPM / PERT) (6) Construction Methodology (4)	10
Steel Structure Fabrication Facility (Quantitative)(Doc Required) Owned (10)	10

Jobs/Lots

Jobs Without Lots :

Job	Delivery Schedule	Quantity	Bid Security
EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT)	Address: Near ITP Office, Main Murree Road, Islamabad Capital Territory Schedule: 90 Days after award of contract Quantity: 1/Qty	1/Qty	22000000 PKR

Work Specifications and Market Rates

Jobs Without Lots :

Job: EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT)

Specifications / Requirements:

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount in Words	Amount (Rs)
1	1	Design, Manufacturing and Supply of Pre engineered Steel Shed having including, primary structural steel rafters, columns, Connection plates, Base plates, Roof Purlins, Pre-painted roof sheet, Trims, gutters, Down take Pipes and cross wire bracing, anchor bolts for anchorage and Other Necessary hardware fixing screws complete in all respects.	%Sft	14058			
2	2	Supply & Installation Mazzanine floor steel structure	%Sft	6015			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
3	3	Supply & Installation of Roof area only Glass Wool Insulation 100mm Thick with Mesh Density (10 - 12) Kg/m3.	%Sft	13350			
4	4	Providing and fixing roof liner sheet made of precoated galvanized steel / aluminium-zinc alloy coated steel sheet, 0.5 mm thick , of approved make, colour, and shade, fixed to the underside of purlins using self-drilling/self-tapping screws with EPDM washers, complete with all accessories such as ridge fillers, trims, and sealants, as per the manufacturer's specifications and drawings	%Sft	13350			
5	5	Supply and Installation of Steel structure stair including railing with 12mm thk glass complete in all respects	%Job	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
6	6	Supply, fabrication and installation of MS/GI structural framework for façade shade comprising MS square/rectangular pipes and/or GI C-Channels of approved size and thickness, including all necessary brackets, cleats, gusset plates, anchor bolts, chemical anchors, nuts, washers and welding accessories. The structure shall be adequately braced and securely connected to the existing RCC columns and anchored with the brick masonry wall using suitable fastening arrangements. The scope includes cutting, fabrication, erection, alignment, welding, grinding, anti-rust primer and paint finish, complete in all respects as per approved drawings and site requirements.	%Ton	4			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
7	7	Dismantling of existing concrete Floor including the removal of surplus debris, unused material and by products as directed by the Engineer complete.	%Job	1			
8	8	Excavation for foundation of columns, walls, etc. upto any depth and lead including back filling of excavated earth in foundation trenches and spreading the surplus earth in plinth area and/or depressions where required including making provision for shoring of loose soil if required and removal of excavated earth upto 5'-0" from edge of excavation complete as per drawing and as directed by the Consultants.	%Cft	31268			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
9	9	Providing Earth filling with off site material (brought from out side source)including compaction upto 95% in plinth, depression and where ever required laid in 12" layer well watered, consolidated and compacted with mechanical means complete as per drawing and as directed by the Consultants.	%Cft	52476.125			
10	10	Providing C.C. 1:4:8 bed concrete using graded screened bajri 3/8" and down gauge as fine aggregate and stone ballast 1" to 2" size as coarse aggregate in foundation over well compacted earth including levelling and curing etc. complete as per drawing and as directed by the Consultants	%Cft	5278.625			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
11	11	Providing Reinforced cement concrete 1:2:4 (mix design) using graded screened bajri 3/8" and down gauge as fine aggregate and crushed stone 3/4" and down gauge as coarse aggregate with machine mixing including the cost of form work and its removal, vibrating using mechanical vibrator, curing and cube testing etc. having min. works cube crushing strength of 3,000 psi after 28 days curing but excluding the cost of reinforcement bars complete as per drawing and as directed by the Consultants.	%Cft	12470.47625			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
12	12	Providing brick masonry using 9" x 4 1/2" x3" best approved quality burnt bricks the bricks used should be well-burnt without being vitrified and shall be uniform in colour, regular in shape and size with sharp and square corners and parallel faces, free from flaws and cracks, to be laid in mortar 1:4 with curing, scaffolding, racking out the joints, courses shall be kept in time plumb as per drawing, standard specificalton and as directed by the Consultants Up To 12ft Height.	%Cft	16712.03125			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
13	13	Providing fabrication and instllation in position 12mm of gypsum board sheet (gypsum board approved company) including cuttong of opening for lights ifixture/ diffusers with making of light pelmet fiber tape on joints icluding 3 coats of mat enamel paint fininsh pemerr coat filing if required with all other hardwares, wastage scaffolding, making access panel (where required)etc as per design & drawing complete.	%Sft	17581.55			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
14	14	Providing and fixing powder coated or anodized aluminum, glazed door of aluminum sections, tinted glass, rubber gaskets, double action floor mounted concealed type pivot hinge mechanism, hydraulic door closer, handles & locking arrangement, screws/expansion bolts and other aluminum accessories etc. complete in all respects as approved by the Engineer.	%Sft	1160			
15	15	Providing and fixing powder coated or anodized aluminum, glazed-window of aluminum sections, tinted glass, rubber gaskets latch lock arrangement, screws/expansion bolts and other aluminum accessories etc. complete in all respects as approved by the Engineer.	%Sft	55			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
16	16	Providing and laying 1/2" thick cement sand plaster (1:4) to Internal Ceiling, Walls, Stairs, Columns, & etc making edges and corners, preparation of surface plaster with mesh, including finishing, scaffolding, curing and etc. Complete in all as per drawing & instruction of the Consultant.	%Sft	25326.5			
17	17	Providing and applying 2 coats of Plastic Emulsion paint (Mat finish) of approved quality, color and shade (approved company) over 2 coats of Primer of approved manufacturer and quality on Ceiling, Columns, Walls, & etc including surface preparation, Wall putty filling, cutting, surfacing, scaffolding, scraping, sanding, & etc. Complete in all as per drawing & instruction of the Consultant.	%Sft	56459.8			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
18	18	Providing Reinforced steel bars using minimum Yield Strength of 60 KSI confirming to ASTM A-615, as per design including cutting, bending, binding and placing in position on c.c precast spacers and steel chairs, tying with binding wire 20 SWG complete with the cost of chairs, binding wire etc. complete as per drawing and as directed by the Consultants.(Rate should include the cost of wastage of steel, also note that All Reinforcing steel shall be adequately protected from rust and corrosion before and during concreting)	%Ton	41.5			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
19	19	Providing and installation of locally produced Porcelain tiles on floor, Wall & skirting with cement motar 1:4 and complete with screening, grouting, filling, finishing and etc. complete in all respects, as per drawing & instruction of the consultant or Engineer.	%Sft	26202.5625			
20	20	Providing and fixing of Pre Polished Granite Sills / Thresholds under windows and doors respectively , of approved origin, color/shade / thickness fix with cement sand mortar	%Sft	768			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
21	21	Provide and install Aluminum Composite Panel overall 4mm thick with 0.5mm skin thickness with mineral-filled core of approved sample & metallic/solid colour of approved shades including making grooves, champhered edges, joint details, sealant, backing rod, fixing & framing system, protection of panels, etc. all as per manufacturer's specifications and instructions, fixing arrangement, etc. complete in all respect as per drawings & specifications.	%Sft	20501.072			
22	22	Matel Framing With Gypsum Board Cladding on both side and Rock Wool Insulation	%Sft	16626			
23	23	Providing and fixing cleared toughened glass partition,10mm thick, fixed with LGS Stud framing including harware complete in all respects.	%Sft	6720			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
24	24	Providing and making at site Plinth Protection around the building area 3'-0" wide comprising of brick masonry, back filling, compaction, pcc 1:2:4 complete in all respects.	%CFT	4300			
25	25	Providing and making at site Plinth Protection around the building area 3'-0" wide comprising of brick masonry, back filling, compaction, pcc 1:2:4 complete in all respects.	%CFT	4300			
26	26	Supply and fix raised floor in Data Room / IT Area	%Sft	4600			
27	27	Providing and Fixing of Cementious Tile/chemical tile of Different sizes at plinth protection Comprising cement Sand Mortor complete in all respects.	%SFT	1852			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
28	28	Plumbing Works (1 nos of washroom with all accessories.Pipe for inlet/outlet and connection with service water tank included; concealed service water tank included; suigas submeter,	%Nos	32			
29	29	Supply and installation of MDF (Medium Density Fiberboard) false ceiling of approved quality and specified thickness, fixed over G.I./wooden framework with necessary hangers, supports, screws, fasteners and accessories. The work shall include cutting, joint treatment, edge finishing, sanding, and application of paint/laminate finish (where required), complete in all respects as per approved drawings and site requirements.	%Sft	1503.45			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
30	30	Installation of Blind Curtain Providing placing and installation of Blind curtain including preparation of all required arrangements and access work to be complete as per quality & interior finishes aspects in accordance with the specification complete in all respect	%Sft	1895			
31	31	Supply and installation of premium-grade uPVC toilet/washroom door, comprising a rigid uPVC frame. Door to include solid uPVC panels for high durability in wet areas Complete in all aspects	%Sft	640			
32	32	Providing and laying 6" Gravel Fill Material of approved quality and size in foundation including Compaction, complete in all respects.	%CFT	3716			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
33	33	Supply of Aluminium Fixed Curtain Wall, Premium Quality, of Anodized Aluminium extruded section size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings incl 6mm double glazed glass all as specified.	%Sft	4399			
34	34	Providing and installation of 8" dia bore l 120 ft deep along with 1.5hp submersible pump	%Job	1			
35	35	Providing, installation, testing, commissioning of Water pressure booster pumps for water supply (One operation and one standby). Pumps shall be complete with electric drive motor, operate at 230 volts, single phase 50 hertz including electric power supply wiring conduiting, earthing etc. complete in all respects as per specification	%Job	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
36	36	Providing and Installation of pipe PVC Dia 6" with calmps and all other nessary hardware	%RFT	150			
37	37	Providing and Installation of pipe PVC Dia 6" with calmps and all other nessary hardware	%RFT	708			
38	38	Providing and Installation of pipe PVC Dia 6" with calmps and all other nessary hardware	%RFT	742			
39	39	Providing and Installation of pipe PVC Dia 6" with calmps and all other nessary hardware	%RFT	160			
40	40	Providing and Installation of pipe PVC Dia 6" with calmps and all other nessary hardware	%RFT	80			
41	41	Providing and Installation of pipe PVC Dia 6" with calmps and all other nessary hardware	%RFT	441			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
42	42	Supply, installation, testing and commissioning of electric geyser,(25L) complete with all accessories, inlet/outlet connections, safety valve, thermostat, pressure release system, and necessary fittings, including all civil and electrical works to make the unit fully operational.	%Nos	4			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
43	43	Providing, supplying, installing of 40 ft high moveable Hydraulic Ladder of approved make, complete with hydraulic lifting mechanism, heavy-duty steel/aluminium structure, anti-slip platform/steps, safety guardrails, locking system, stabilizers/outriggers, control unit, power system and all necessary accessories, anchors and fittings, complete in all respects as per manufacturer's specifications and to the approval of the Engineer.	%Nos	1			
44	44	Supply and installation of Hand dryer complete in all aspect	%Nos	12			
45	45	Office Table	%Nos	28			
46	46	Table 20x2	%Nos	8			
47	47	Table 14x2	%Nos	8			
48	48	Table 35x2	%Nos	4			
49	49	Table 25x2	%Nos	4			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
50	50	Octagonal Table 45x2.5	%Nos	2			
51	51	Computer Chairs	%Nos	120			
52	52	Office Chair Executive	%Nos	56			
53	53	Visitor Chair	%Nos	140			
54	54	Sofa 3 Seater	%Nos	10			
55	55	Centre Table	%Nos	10			
56	56	Mobile Units	%Nos	140			
57	57	Podium	%Nos	6			
58	58	4 Seater Sofa	%Nos	30			
59	59	Wooden Visitor Chairs	%Nos	20			
60	60	Centre Table Set	%Nos	2			
61	61	File Rack (10x6 Feet)	%Nos	2			
62	62	Supply, installation, testing & commissioning of following items including all material, tools, labor & accessories required for completion of work as per description & drawings. Complete in all respects.	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
63	63	Circuit wiring from DB to switch board including any wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sqmm, 1-core PVC wires in 25mm dia of pvc conduit exposed / concealed as shown on drawings. Complete in all respects.	%Nos	45			
64	64	Circuit wiring from switch board to switch board with 2x2.5 Sq.mm + ECC 1x2.5 Sqmm, 1-core PVC wires in 25mm dia of pvc conduit exposed / concealed as shown on drawings. Complete in all respects.	%Nos	80			
65	65	Wiring for light point from switch board/ Dimmer board to first light point with 2.5 Sq.mm common neutral of 2.5 Sq.mm and common ECC of 2.5 Sq.mm + wires in 25mm dia of exposed / concealed PVC conduit as shown on drawings.	%Nos	260			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
66	66	Same as above item but wiring from light point to point.	%Nos	350			
67	67	Wiring for Group Control Emergency & Exit Light fixtures from DB to first light point with 2x1.5 Sq.mm + ECC 1x1.5 Sq.mm in 25mm dia PVC Conduit as exposed / concealed shown on drawings. Complete in all respects.	%Nos	3			
68	68	Same as above item but wiring from light point to point.	%Nos	16			
69	69	Wiring of 13A/15A Switch Socket unit from DB to first outlet with following size of wires in 25mm dia PVC conduit of exposed / concealed as shown on drawings. Complete in all respects.	%Nos	1			
70	70	2x4 Sq.mm Cu/PVC + ECC 1x4Sq.mm Cu/PVC	%Mtr	48			
71	71	Same as item above but wiring from outlet to outlet	%Mtr	102			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
72	72	Emergency Wiring of 13A/15A Switch Socket unit from DB to first outlet with following size of wires in 25mm dia PVC conduit of exposed / concealed as shown on drawings. Complete in all respects.	%Nos	1			
73	73	2x4 Sq.mm Cu/PVC + ECC 1x4Sq.mm Cu/PVC	%Mtr	48			
74	74	Same as item above but wiring from outlet to outlet	%Mtr	102			
75	75	Wiring of 20A DP Switch unit for split AC from DB to first outlet with following size of wires in 25mm dia size PVC conduit of exposed / concealed as shown on drawings. Complete in all respects.	%Nos	1			
76	76	2C-4 Sq.mm Cu/PVC + ECC 1x4 Sq.mm Cu/PVC	%Mtr	32			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
77	77	Supply and installation of following size of PVC / UPVC conduit including all accessories such as junction box, bend, socket etc. Complete in all respect.	%Nos	1			
78	78	25mm dia PVC Conduit	%Mtr	3765			
79	79	32mm dia PVC Conduit	%Mtr	337			
80	80	100mm dia UPVC Conduit (Class-D)	%Mtr	650			
81	81	Supply & Installation of following sizes of 16 SWG Perforated Cable Tray with 18 SWG Solid Cover (4 feet covers) including all installation accessories such as rawal bolts, supporting hangers, brackets, elbows, tee & mounting accessories etc.	%Mtr	650			
82	82	300mm x 100mm Horizontal	%Mtr	305			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
83	83	Supply and Installation of following 10 Amps, gang type switches & switch socket outlets Legrand/Clipsal/Pakistan Cables make including back boxes, recessed on wall or column as per design drawings.	%Nos	1			
84	84	10A, 220V One Gang Switch Unit	%Nos	7			
85	85	10A, 220V Two Gang Switch Unit	%Nos	15			
86	86	10A, 220V Three Gang Switch Unit	%Nos	25			
87	87	10A, 220V Four Gang Switch Unit	%Nos	35			
88	88	13A, International Switch Socket Unit	%Nos	435			
89	89	13A, Flat Pin simplez Switch Socket Unit	%Nos	200			
90	90	15A, Round Switch Socket Unit	%Nos	150			
91	91	20A DP switch Unit for AC	%Nos	33			
92	92	Floor Boxes	%Nos	49			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
93	93	Supply, installation, testing, commissioning and termination of following size of CU/PVC/PVC Cables for Distribution Board in already installed PVC conduit / Cable tray, including all accessories, Complete in all respect as shown on drawing.	%Nos	1			
94	94	From MDB to DBLP-M 4C-70 Sq.mm Cu/PVC/PVC + ECC 1Cx35 Sq.mm Cu/ PVC	%Mtr	350			
95	95	4C-95 Sq.mm Cu/PVC/PVC	%Mtr	422			
96	96	4C-6 Sq.mm Cu/PVC/PVC	%Mtr	333			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
97	97	Supply, installation, testing and commissioning of following LV Panels and Distribution Boards made with 14/16 SWG sheet steel housing (14 SWG for floor standing & 16 SWG for wall mounted) with approved color and having specified circuit breakers as shown on drawing. (Refer Single Line Diagram) Note:	%Nos	1			
98	98	UDB- DATA+W/S	%Nos	1			
99	99	LPDB	%Nos	1			
100	100	LPDB Ground	%Nos	1			
101	101	UDB Video Wall	%Nos	1			
102	102	UDB FF	%Nos	1			
103	103	UDB GF	%Nos	1			
104	104	DB HVAC	%Nos	1			
105	105	MAIN LV	%Nos	1			
106	106	ATS With MOR (T/F)	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
107	107	Supply and installation of following lighting fixtures complete with ballast, starter p.f.i capacitor and specified lamps. (Subject to approval of Architect / Consultant) Note: Color temperature will be as per Architect.	%Nos	1			
108	108	SURFACE/ RECESSED MOUNTED 15W LED DOWN LIGHT	%Nos	495			
109	109	SURFACE/ RECESSED MOUNTED 15W LED LASER BLADE LIGHT	%Nos	157			
110	110	LED ROPE LIGHT	%Mtr	1523			
111	111	Wall MOUNTED 10W Decorative LIGHT	%Nos	5			
112	112	Wall Mounted Emergency Exit Sign in Green Color with 8W LED, including Battery Backup	%Nos	5			
113	113	Supply and Fixing Flood Light 200W	%Nos	23			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
114	114	Supply and Fixing Name Plate With Led Complete in all Aspect	%Nos	30			
115	115	Decorative Mirror Light	%Nos	6			
116	116	Supply, installation, testing and commissioning of following items for Conventional Fire Alarm System comprising of following equipments including all accessories required for the completion of the system in all respects.	%Nos	1			
117	117	Conventional Fire Alarm Control Panel of 2-Zone The FACP shall be self powered with built in 12V batteries for 24 Hrs backup with charging unit. Complete in all respect.	%Nos	3			
118	118	Conventional Smoke Detectors	%Nos	54			
119	119	Conventional Multi Detectors	%Nos	3			
120	120	Conventional Break Glass Type Manual Call Point	%Nos	5			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
121	121	Conventional Type Indoor Loop Powered electronic sounder	%Nos	5			
122	122	Supply and wiring for complete Fire Alarm System using 2C, 1.5 sqmm fire resistance cable in 25mm dia PVC conduit from Fire Alarm Control Panel to all sensors & devices including all installation accessories, complete in all respect.	%Mtr	804			
123	123	Programming, testing and commissioning of the complete system as per client's requirements permissible for the FACP.	%JOB	1			
124	124	Fire Extinguisher Balls	%Nos	202			
125	125	Fire Extinguisher Cylinder (1x powder and 1 x Co2)	%Nos	9			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
126	126	Supply, installation, testing and commissioning of following items for CCTV System (IP Based) including but not limited to the description given here under including all power and communication accessories, housings, mounting brackets, suspension rods etc. required for completion of the system.	%Nos	1			
127	127	Surface/Recessed Ceiling mounted Dome fixed type PoE I.P camera with day and night feature with 720p resolution 1280 x 1024 @ 25/30fps pixels with live and recording quality of minimum 15 fps, along with all mounting accessories complete in all respect.	%Nos	27			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
128	128	Wall bracket box Camera, type PoE I.P camera with day and night feature having 720p Resolution 1280 x 720 @ 25/30fps pixels with live/recording quality of min 15 fps, along with all mounting accessories complete in all respect.	%Nos	18			
129	129	CAT-6, UTP Cable for Voice Communication System from Communication Rack to each workstation / outlet in 25 mm PVC conduit / channel as per drawings including termination and tagging at both ends. Complete in all respects.	%Mtr	50			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
130	130	Network Video Recorder (NVR) with 32 channel Video input. The NVR shall be equipped with LAN / WAN facility. NVR should have 10 Tb HDD, RW CD Drive. Complete with all connecting cords, accessories, software for Integration with	%Nos	3			
131	131	24-Port Patch Panel	%Nos	3			
132	132	42" LED Color Monitors to be installed with all connecting cords and mounting stands.	%Nos	3			
133	133	Mouse	%Nos	150			
134	134	Programming, testing and commissioning of the complete system as per the Client requirement.	%JOB	1			
135	135	24-Port Giga Bit POE Ethernet Switch with 4 SFP (S5735-L24P4XP-A-V2).	%Nos	3			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
136	136	CAT-6, UTP Cable for Voice Communication System from Communication Rack to each CCTV Point / outlet in 25 mm PVC conduit / channel as per drawings including termination and tagging at both ends. Complete in all respects.	%Mtr	52			
137	137	4MP IP PTZ Camera 200 Meter IR Range with day and night feature having 720p Resolution 1280 x 720 @ 25/30fps pixels with live/recording quality of min 15 fps, along with all mounting accessories complete in all respect. DS-2DE7A425IWG1-E	%Nos	7			
138	138	Front Cable Organizer for Voice & Data patch panels / wiring blocks with complete labeling and dressing for incoming cable management.	%Nos	3			
139	139	1 Meter Long Patch Cord.	%Nos	56			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
140	140	Cameras Pole 5 Feet to 7 Feet	%Nos	16			
141	141	Supply, installation, testing and commissioning of following items for Earthing / Grounding System for lightning protection and grounding of other systems including all material, boring, labor, tools, transportation, accessories etc. Complete in all respects with detailed test reports.	%Nos	1			
142	142	Chemical Enhanced Earth using 38 mm dia copper pipe filled with soil conditioning material including 6" dia, 11' deep boring and back filled chemical to enhance conductivity. Complete with termination clamps, 12" dia heavy duty tin plated round cover as per details given in drawings.	%Nos	9			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
143	143	Earth Connecting Point (ECP) or Equipotential bar made with 200mm wide, 75mm high and 5mm thick tin plated Copper, as shown in drawings. Bar shall be provided with holes suitable for installation of 4 No. 70 sqmm bare copper conductor. ECP shall be enclosed in appropriate size of powder coated metal enclosure with front accessible cover.	%Nos	9			
144	144	Stranded bare copper conductors of following sizes in appropriate size of UPVC conduit laid in floor/raft from Earth Station to ECP to as shown in drawings. Complete in all respects including termination at ECP.	%Nos	1			
145	145	70 Sq.mm Bare Copper Conductor	%Mtr	165			
146	146	25mm x 3mm copper tape	%Mtr	85			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
147	147	Supply, installation, testing & commissioning of following size of single core PVC cables in appropriate size of exposed / cancelled PVC conduit from ECP to several equipments as per details given below, including all material, labor, tools, transportation, accessories etc. Complete in all respects with detailed test reports.	%Nos	1			
148	148	1C, 35 Sq.mm PVC (Green)	%Mtr	90			
149	149	1C, 16 Sq.mm PVC (Green)	%Mtr	90			
150	150	1C-70 Sq.mm Cu/PVC/PVC	%Mtr	90			
151	151	Lightning Erester	%Nos	9			
152	152	Construction of earthing pit complete with excavation, brick work, plastering, and concrete cover, including all materials and labour as per standard specifications.	%Nos	9			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
153	153	Supply of All DC Inverter Controlled Variable Refrigerant Flow (VRF) Heat Pump Type Multi Split A/c System complete with built-in auto control system & Central Controller with display (Table) including, unloading, Lifting, placing and Fixing at foundation at locations shown on drawing	%Nos	1			
154	154	Outdoor Condensing Units	%Nos	1			
155	155	AVWT-232HKFSE	%Nos	3			
156	156	AVWT-232HKFSE	%Nos	2			
157	157	AVWT-96HKFSE	%Nos	1			
158	158	AVWT-154HKFSE	%Nos	2			
159	159	Indoor Units	%Nos	1			
160	160	Mini 4-Way Cassette	%Nos	1			
161	161	AVC-19HJFA	%Nos	2			
162	162	4-Way Cassette	%Nos	1			
163	163	AVBC-24HJFKA	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
164	164	AVBC-27HJFKA	%Nos	5			
165	165	AVBC-30HJFKA	%Nos	5			
166	166	AVBC-38HJFKA	%Nos	5			
167	167	AVBC-48HJFKA	%Nos	6			
168	168	Wall Mounted	%Nos	1			
169	169	AVS-24HJFTDD	%Nos	6			
170	170	Ducted HSP Type	%Nos	1			
171	171	AVD-48HCFCH	%Nos	1			
172	172	AVD-76HJFH	%Nos	5			
173	173	Branch Pipe	%Nos	1			
174	174	Y-Joints	%Nos	3			
175	175	Receiver Kit	%Nos	1			
176	176	HYRE-T03H	%Nos	22			
177	177	HYRE-Z01H	%Nos	3			
178	178	Wireless Controller HYXE-VD01	%Nos	25			
179	179	Wired Controller HYXE-VC01	%Nos	6			
180	180	Central Controller HYJM-RA10D	%Nos	4			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
181	181	Supply, Fabrication and Installation of G.I. ducting & Sheet Metal work complete with hangers, bracings, splitter dampers etc	%Nos	1			
182	182	US Gauge 22	%Mtr	337			
183	183	US Gauge 24	%Mtr	1944			
184	184	US Gauge 26	%Mtr	505			
185	185	Supply & Installation of Aluminum air devices as specified and scheduled	%Nos	1			
186	186	Fresh / Exhaust Air Louvers	%Nos	45			
187	187	4D Diffuser	%Nos	63			
188	188	Supply & Installation of Mild Steel Sheet welded Type for kitchen/ washroom 14 guage exhaust ductwork complete with hangers, dampers, clean-out access panels etc.	%Sqm	303			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
189	189	Supply & Installation of 3" thick rock wool insulation for Kitchen Grease Exhaust Ducts & HWG Flue duct	%Sqm	303			
190	190	Supply & Installation of Built-in Microban Elastomeric/Epdm Closed Cell FM Approved with Green Guard certificate, anti fungus, anti microbial Foam Type insulation of density 65 Kg/m3 and thermal conductivity 0.035 W/M at 24 deg C of fire performance conforming to UK building regulation of Class-0 rating protected with fire retardent type high density closely woven fiberglass cloth as specified manufactured by Armacell, Durkflex or Aeroflex complete with adhesives and sealers	%Nos	1			
191	191	1/2" (13mm) thick for indoor installed ducts	%Sqm	4050			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
192	192	Supply & Installation of 16 guage MS Perforated type Cable tray of below mentioned size with solid cover of 14 guage or as mentioned in drawings (Only use for out side of Building Area for copper piping)	%Nos	1			
193	193	300mm x 100mm with cover	%Mtr	168			
194	194	Supply & installation of Ventilation fans as specified and scheduled including unloading, lifting, placing and fixing at locations as shown on the drawings.	%Nos	1			
195	195	EF-1	%Nos	5			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
196	196	Supply and Installation of Gas & Liquid Copper Piping for indoor & outdoor units Complete with insulation (9mm for indoor & 19mm for outdoor) Built-in Microban Elastomeric/Epdm Closed Cell FM Approved with Green Guard certificate, anti fungus, anti microbial Foam Type insulation of density 65 Kg/m3 and thermal conductivity 0.035 W/M at 24 deg C of fire performance conforming to UK building regulation of Class-0 rating protected with fire retardent type high density closely woven fiberglass cloth as specified manufactured by Armacell or Durkflex complete with adhesives and sealers, gas charging, accessories, clamping and other related material for installation purpose, complete in all respect.	%JOB	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
197	197	Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, rubber vibration mounts etc.	%JOB	1			
198	198	Supply & installation of 1/4" thick polyethylene insulation (Jumbolon) covered with PVC taping for condensate drain piping	%JOB	1			
199	199	Recessed in false ceiling 8 inch dia exhaust fan with pure copper windings, (Voldam/Air Guard Model AFWS6) including 6 inch dia PVC Pipe as exhaust duct , and exhaust air grill as shown in the drawings	%Nos	1			
200	200	Conduiting and communication wiring of all HVAC equipment(indoor &outdoor) complete with cables/wires, cables glands, cable ties, G.I./PVC conduits etc. control wiring from units to central controller and all other items to complete the Job.	%JOB	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
201	201	Painting of metal hangers and metal structures where installed as specified	%JOB	1			
202	202	Shop drawings and As-built drawings	%JOB	1			
203	203	Inspection, testing, Gas Charging, Commissioning and Air Balancing of of Complete system	%JOB	1			
204	204	WIRING/WIRING ACCESSORIES	%Nos	1			
205	205	From DB-HVAC to VRF outdoor 4C-16 Sq.mm Cu/PVC/PVC + ECC 1Cx16 Sq.mm Cu/ PVC	%Mtr	85			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
206	206	Supply, installation, testing and commissioning of following LV Panels and Distribution Boards made with 14/16 SWG sheet steel housing (14 SWG for floor standing & 16 SWG for wall mounted) with approved color and having specified circuit breakers as shown on drawing. (Refer Single Line Diagram)	%Nos	1			
207	207	18" x 18" Access Panel	%Nos	30			
208	208	AC INV H&C 1 ton	%Nos	4			
209	209	AC INV H&C 1.5 ton	%Nos	4			
210	210	DSP5011 6.5 inch Frameless Ceiling Speaker	%Nos	33			
211	211	DMA120U 120W Digital Mixer Amplifier	%Nos	3			
212	212	DM30 Dynamic Desktop Microphone	%Nos	3			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
213	213	Supply and Wiring of 2C, 40/0.0076.mm flexible Speaker Cable for Public Address System in 1" Dia PVC Conduite or Cable Try from Speaker to Speaker as per zoning layout shown in drawings . Complete in all respects.	%Mtr	33			
214	214	Installation, Testing & Commisioning of Public Address System with all Respect.	%JOB	1			
215	215	SMD for NGT Hall	%Sq ft	5560			
216	216	H15 Controller with 12x 4 port HDMI IN Card and 9 x 20 port RJ45 Cards, 1x 4 Port Output Card (Hall)	%Nos	2			
217	217	SMD For Board Room	%Sq ft	120			
218	218	H2 Controller with 1x4 HDMI IN Card and 1x 16 Port RJ45 Card	%Nos	1			
219	219	HDMI Cables (Diff Lengths)	%Job	180			
220	220	85" LED	%Nos	7			
221	221	65" LED	%Nos	15			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
222	222	55" LED	%Nos	13			
223	223	Standees LED 55 Inch	%Nos	3			
224	224	Desktop PC (Core i7, 16 GB RAM, 1TB SSD NVMe, 21 Inch Led, Mouse, Keyboard) with Graphic Card (8GB or advance)	%Nos	45			
225	225	Intel Core Ultra 7 265K (20 Cores, up to 5.5 GHz) or AMD Ryzen 9 9900X or equivalent , 32 GB DDR5, 1 TB NVMe Gen4 SSD, NVIDIA RTX 4060 (8 GB VRAM),1 Gbps Ethernet, 27-inch QHD Display with Windows 11 Pro, Mouse and Keyboard	%Nos	60			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
226	226	Intel Core Ultra 9 285K (24 Cores, up to 5.7 GHz) or AMD Ryzen 9 9950X or equivalent , 64 GB DDR5 (Expandable to 128 GB), 2 TB NVMe Gen4/Gen5 SSD, NVIDIA RTX 5070 (12 GB VRAM) or higher, 2.5 Gbps Ethernet, 27-inch IPS QHD or 4K Display, with Windows 11 Pro, Mouse and Keyboard	%Nos	21			
227	227	AMD Ryzen Threadripper PRO 7995WX (96 Cores, 192 Threads), 256 GB DDR5 ECC, 6 TB NVMe Gen4/Gen5 SSD, NVIDIA RTX 6000 Ada Generation (44 GB VRAM), 2.5 Gbps Ethernet, 27-inch IPS QHD Display, with Windows 11 Pro, Mouse and Keyboard	%Nos	3			
228	228	HP Probook 12th Gen Ci7 16GB RAM 1TB SSD HD 15.6" display	%Nos	10			
229	229	Server (Power Edge R760, RAM 1TB, CPU 16 Core, SSD 20 TB)	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
230	230	AI/GPU Server Dell PowerEdge R760xa, 1TB RAM, GPUs (NVIDIA A-series / L - Series or equivalent)	%Nos	2			
231	231	USB Ext cables Diff Length and types	%Nos	20			
232	232	HDMI Splitters	%Nos	10			
233	233	USBs	%Nos	40			
234	234	LaserJet Printers	%Nos	5			
235	235	Scanner	%Nos	3			
236	236	48-Port Managed POE Ethernet Switch S5735-L48P4XE-A-V2	%Nos	10			
237	237	SFPs (LC) 1 km, Single Mode, dual 10G Gigabit Industrial grade	%Pairs	12			
238	238	48 Port Patch Panel	%Nos	10			
239	239	Cable Organizer	%Nos	10			
240	240	WIFI Access Points Indoor Tplink EAP 660	%Nos	6			
241	241	WIFI Access Points Outdoor Tplink EAP 772	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
242	242	Fiber Optic Cable 4-core Single mode with Digging an laying (End to End Connectivity)	%Mtr	150			
243	243	12-Port ODF for Patching of Fiber Optic with Splicing	%Nos	2			
244	244	Fiber Patch Cords 3m Single mode(LC-LC)	%Nos	20			
245	245	Ethernet Patch Cords 1m	%Nos	480			
246	246	Ethernet Patch Cords 3m	%Nos	250			
247	247	Ethernet I/O (Faceplate with Box)	%Nos	200			
248	248	20 Port Rack mounted PDUs with loop cables	%Nos	2			
249	249	UTP CAT6 (305 Meter) Roll	%Roll	40			
250	250	RJ-45 Connector	%Box	5			
251	251	End to End PTCL OFC Link	%Job	1			
252	252	300 MB CIR Internet Bandwidth	%Months	12			
253	253	Technology Boxes	%Nos	100			
254	254	Zoom License	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
255	255	IP-Phone	%Nos	25			
256	256	8 MP Fixed Bullet Camera	%Nos	21			
257	257	32 Channel NVR with 2x10 TB HDD	%Nos	1			
258	258	Biometric Device Access Control	%Nos	5			
259	259	Biometric Device Attendance	%Nos	2			
260	260	Video Conference solution	%Nos	2			
261	261	Sound System	%Nos	2			
262	262	Sound Mixer	%Nos	2			
263	263	Mic Sets (Diff types)	%Nos	1			
264	264	Pimax Reality VR	%Nos	2			
265	265	Samsung Galaxy XR	%Nos	2			
266	266	Meta Quest 3	%Nos	4			
267	267	Virtuix Omni One	%Nos	1			
268	268	Kat C2 Plus Enhanced	%Nos	1			
269	269	Samsung 55 inch Screens for Visual Setup	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
270	270	INTELLIGENT ADDRESSABLE FIRE ALARM SYSTEM (BRAND-ZETA/BOSCH/Equivalent) Supply at site, installation, testing & commissioning of following complete Intelligent Addressable Fire Alarm System including mounting bracket, all fixing and mounting accessories, with open architecture communication interface, including all accessories as required, complete in all respect.	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
271	271	Two Loop Intelligent Addressable Fire Alarm Control Panel (FACP) with capacity to connect Repeater Panels / Annunciator / Mimic panels, Wall Mounted, Microprocessor Based, Led Display, Multifunction Status Leds, 127 Devices / Elements Per Loop, Graphical User Interface Support, Remotely Programmable, Free Of Cost Programming Software, Modular Components, > 5000 Log Capacity, Input/output Interfacing, Multi Configuration Level, 24 Hours Back Up Time & 30 Minutes Alarm Time, with open architecture communication interface, including all accessories as required, complete in all respect.	%Job	1			
272	272	Addressable fire alarm Repeater panel MTD,1.8m AFF with alarm manager software.	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
273	273	Intelligent addressable optical smoke sensor with base and dual ray technology, built in smoke patterns, built in short circuit isolator including all installation accessories.	%Nos	42			
274	274	Addressable heat detector with base, Fixed Temperature with built in short circuit isolator including all installation accessories.	%Nos	5			
275	275	Multi Detector with integrated smoke detector, heat detector and gas sensor (CO). An alarm is generated at carbon monoxide (CO) gas levels that are threatening for human life. It should have built-in Short Circuit Isolator.	%Nos	1			
276	276	Addressable Beam detector with base, Fixed Temperature with built in short circuit isolator including all installation accessories.	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
277	277	Addressable Manual Call Point, Indoor, Red, Addressable, Resettable type, surface mount, single action, direct trigger, reset key included and IP-54 rated. CE, MOE, CPD, VDS Certified.	%Nos	5			
278	278	Addressable MIDI red sounder/LED flasher sound output >92db @ 1.0 m IP-43 mounting height at 2.0M. Above F.F.L., mounting base included.	%Job	5			
279	279	Wiring of Fire Alarm Points with 2 core 1.5 mm ² LSZH , CWZ cable complying BS5839 and EN50200 laid in already installed conduit or tray or trunking etc., including all accessories, complete in all respect.(500-Coil)	%Coil	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
280	280	Programming, testing and commissioning of complete system including on site demonstration and training of client's representative upto the entire satisfaction of consultant/client	%Job	1			
281	281	FIRE SUPPRESSION SYSTEM DCP Fire Extinguishers - 8 Kg	%Nos	6			
282	282	FM - 200 (IT, ARV/VR Room/ Electrical Room)	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
283	283	* Factory Filled Per KG (HFC-227ea - UL/FM) - 260KG Model PEMALL 227 * (1 No.) PEMALL 227™-(360 PSI)-LP SERIES ENGINEERED 75 LB. - S.S. RED COLOR CYL. ASSEMBLY (FILLING RANGE 14.1(31) TO 32.2(71) KG(LB))- W/ 1" S.S .VALVE ASSEMBLY C/W TOP CAP ADAPTER, PRESSURE GAUGE W/GUARD & CYL. MOUNTING BRACKET - MODEL # H3-SS-0075-1.0 -UL/FM * Latching Solenoid with Supervision and Local Manual Control Head * Low Pressure Supervisory Switch (N/C) 360 PSI * 1/2" - 1" NOZZLE (BLANK) (1 No.) * Caution Label - "DO NOT ENTER..." for HFC-227EA * Caution Label - "OPERATION OF MANUAL..." for HFC-227EA * Caution Label -ROOM PROTECTED WITH HFC-227EA Make: PEMALL - USA	%Set	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
284	284	Combined Fire & Extinguishing Control Panel with Battery Backup (Make: ZETA-UK)	%Nos	1			
285	285	Conventional Smoke Detector with Base (Make: ZETA-UK)	%Nos	2			
286	286	Abort Switch	%Nos	1			
287	287	Conventional Fire Alarm Sounder with Flasher (Make: ZETA-UK)	%Nos	1			
288	288	Conventional Fire Alarm Sounder (Make: ZETA-UK)	%Nos	1			
289	289	Installation, Testing & Commissioning Wiring, Piping, Cabling & Conduiting are not included	%Job	1			
290	290	Piping and cabling	%Job	1			
291	291	SERVICE AREA	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
292	292	* Factory Filled Per KG (HFC-227ea - UL/FM) - 380KG Model PEMALL 227 * (1 No.) PEMALL 227™-(500 PSI)-HP SERIES ENGINEERED 105 LB. - S.S. RED COLOR CYL. ASSEMBLY (FILLING RANGE 20(44) TO 42.6(94) KG(LB))- W/ 1" S.S .VALVE ASSEMBLY C/W TOP CAP ADAPTER, PRESSURE GAUGE W/GUARD, PRESSURE SWITCH GUARD & CYL. MOUNTING BRACKET - MODEL # H5-SS-0105-1.0 -UL/FM * Latching Solenoid with Supervision and Local Manual Control Head * Low Pressure Supervisory Switch (N/C) 500 PSI with Guard * 1/2" - 1" NOZZLE (BLANK) (1 No.) * Caution Label - "DO NOT ENTER..." for HFC-227EA * Caution Label - "OPERATION OF MANUAL..." for HFC-227EA * Caution Label -ROOM PROTECTED WITH HFC-227EA Make: PEMALL - USA	%Set	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
293	293	Combined Fire & Extinguishing Control Panel with Battery Backup (Make: ZETA-UK)	%Nos	1			
294	294	Conventional Smoke Detector with Base (Make: ZETA-UK)	%Nos	4			
295	295	Abort Switch	%Nos	1			
296	296	Conventional Fire Alarm Sounder with Flasher (Make: ZETA-UK)	%Nos	1			
297	297	Conventional Fire Alarm Sounder (Make: ZETA-UK)	%Nos	1			
298	298	Installation, Testing & Commissioning Wiring, Piping, Cabling & Conduiting are not included	%Job	1			
299	299	Piping and cabling	%Job	1			
300	300	HALL	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
301	301	* Factory Filled Per KG (HFC-227ea - UL/FM) - 275 KG Model PEMALL 227 * (7 Nos.) PEMALL 227™-(500 PSI)-HP SERIES ENGINEERED 1250 LB. - S.S. RED COLOR CYL. ASSEMBLY (FILLING RANGE 235.5(519) TO515.7(1137) KG(LB))- W/ 4" S.S .VALVE ASSEMBLY C/W TOP CAP ADAPTER, PRESSURE GAUGE W/GUARD, PRESSURE SWITCHGUARD & CYL. MOUNTING BRACKET - MODEL # H5-SS-1250-4.0 -UL/FM * Latching Solenoid with Supervision and Local Manual Control Head * 1/2" - 1" NOZZLE (BLANK) (14 Nos.) * 1-1/4" to 2" NOZZLE (BLANK) (14 Nos.) * Caution Label - "DO NOT ENTER..." for FK-5-1-12 * Caution Label - "OPERATION OF MANUAL..." for FK-5-1-12 * Caution Label - ROOM PROTECTED WITH FK-5-1-12 Make: PEMALL - USA	%Set	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
302	302	Combined Fire & Extinguishing Control Panel with Battery Backup (Make: ZETA-UK)	%Nos	1			
303	303	Conventional Smoke Detector with Base (Make: ZETA-UK)	%Nos	16			
304	304	Abort Switch	%Nos	1			
305	305	Conventional Fire Alarm Sounder with Flasher (Make: ZETA-UK)	%Nos	2			
306	306	Conventional Fire Alarm Sounder (Make: ZETA-UK)	%Nos	2			
307	307	Installation, Testing & Commissioning Wiring, Piping, Cabling & Conduiting are not included	%Job	1			
308	308	Piping and cabling	%Job	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
309	309	UPS U-060M33H Modular UPS - Rack Mount IEC Type 400V3P 60kVA Maximum capacity, power efficiency >95.5%, 8U height rack mount with 6 x 400V3P 10kVA power module for modular UPS, Output PF 1.0, hot-swap module with 32 x 12V65AH Batteries (15 mins battery backup). Battery bank and SNMP card is included.	%Nos	1			
310	310	UPS U-030R33H - UPS rack mount, 30kVA Online UPS, output PF 1.0, 380V/380V, 4U height with 15 mins battery backup. Third Party battery bank price is also included. SNMP Card is included	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
311	311	Supply at site, installation, testing & commissioning of following complete Access Control System including mounting bracket, all fixing and mounting accessories, with open architecture communication interface, including all accessories as required, complete in all respect.	%UNIT	1			
312	312	4-DOOR MODULAR CONTROLLER Supply, installation, testing & Commissioning of 4- Door / 4 Reader Controller, Networkable, 4x Wiegand Host Interface, RS-485, 4x Relay Outputs, 4x Monitored Analog Inputs, Tamper Switch, Compact Flash, Including Cost of Regulated Power Supply, Maintenance Free Dry Battery & MS Enclosure with Din Rail, Complete in All Respect.	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
313	313	2-DOOR MODULAR CONTROLLER Supply, installation, testing & Commissioning of 2- Door / 2 Reader Controller, Networkable, 2x Wiegand Host Interface, RS-485, 2x Relay Outputs, 2x Monitored Analog Inputs, Tamper Switch, Compact Flash, Including Cost of Regulated Power Supply, Maintenance Free Dry Battery & MS Enclosure with Din Rail, Complete in All Respect.	%Nos	1			
314	314	ACCESS CONTROL TERMINAL - RFID & PIN Supply, installation, testing & Commissioning of Proximity Card Reader with Numeric Keypad, RS- 485, OSDP, 26 Bit Weigand Interface, MiFare Classic 13.56 MHz ISO 14443 Type-A, 5 r 6 cm Reading Range, IP65, Tamper Switch, Red / Green LED Light with Beep, Complete in All Respect.	%Nos	5			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
315	315	TERMINAL ACCESSORIES Supply, installation, testing & Commissioning of Request to Exit Push Button with Key Icon & Back box, Magnetic Contact for Status Monitoring, Resettable Type Green Emergency Break Glass with Transparent Flap Including B/B, Over Ride Key Switch, Complete in All Respects.	%Nos	5			
316	316	ELECTROMAGNETIC LOCK - SINGLE DOOR Supply, installation, testing & Commissioning of Electromagnetic Lock, Single Door, 600 Lbs Holding Force, LED Indicator, Force Open Indication, 1 2 / 2 4 VDC, Including 220VAC - 12/24VDC Power Supply & 12"x12"x6" SWG:16 Powder Coated MS Enclosure, Complete in All Respect	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
317	317	ELECTROMAGNETIC LOCK - DOUBLE DOOR Supply, installation, testing & Commissioning of Electromagnetic Lock, Double Door, 600 Lbs Holding Force, LED Indicator, Force Open Indication, 1 2 / 2 4 VDC, Including 220VAC - 12/24VDC Power Supply & 12"x12"x6" SWG:16 Powder Coated MS Enclosure, Complete in All Respect	%Nos	2			
318	318	Access Control and Time Management Software along with Security Control system features a password protected user logon system suitable to interface with Fire Alarm. It provide cardholder management, full alarm and event processing, multi division supports, alarms alerting via SMS and calls on mobile and detailed audit rail records.	%Job	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
319	319	RFID CARDS Supply & Configuration of MiFare ID Cards, 13.56 MHz , ISO 14443 Type-A, 1 Kb Data Storage, 2 Application Area, 1 Customizable, Both Side Printable, Complete in All Respects	%Nos	50			
320	320	CLIENT WORKSTATION / SERVER Supply Installation Testing & Commissioning of Management Workstation, 300W 90% Efficient Chassis, Intel Core i7-8700 (3.2 GHz, 12 MB cache, 2666 MT/s memory speed, 6- core CPU), 8 GB DDR4 2666 UDIMM NECC RAM; 500 GB 7200 RPM 3.5" SATA HDD, Std. Key Board & Mouse, MS Win10 Pre-Installed, NVIDIA Quadro P620 Graphic Adapter, 2GB GDDR5 Internal RAM, 40W, PCI Express 3.0 x16, 4x 1.4 Display Ports Graphic Adapter, including all accessories as required, complete in all respect.	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
321	321	CLIENT MONITOR Supply Installation Testing & Commissioning of Full HD High Performance LED Monitor, 16:9, 1920 x 1080p60Hz, 250 cd/m2, 2x HDMI Inputs, 1x VGA Input, 178° x 178°, 1000:1 Contrast, HDMI Cable & Table Top Stand, Complete in All Respects	%Nos	1			
322	322	CLIENT MEDIA KIT Supply Installation Testing & Commissioning of Access Management Media Kit, 1x Branded USB Power Desktop Enrollment Reader Compatible to Mifare 13.56 ISO 14443 Type-A RFID Cards, 1x USB Powered Desktop Camera & 1x USB Powered Signature PAD, Complete in All Respect	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
323	323	ID CARD PRINTER & ACCESSORIES Supply Installation Testing & Commissioning of ID Card Printer, CR 80/79 Std., Single or Dual Side Color/Mono Printer with Laminator in Single Attempt, Dye-Sublimation Type, 300 dpi with Edgeto-Edge Prining, Auto Card Feeding, 164 Cards / Hr for One Side Color & One Side Mono, 32 Sec / Card Lamination Speed, ISO 7811 JIS II Encoding, ISO 7816, MiFARE, ISO 14443, Desfire, iCLASS, USB, RJ-45 Ethernet, MS Windows, Linux, MAC OS Supported, Including Cost of Basic Design Template Software, One Side 4 Color UV Print Ribbon, One Side Black, Lamination for 500 Cards Minimum, Complete in All Respects.	%Nos	1			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
324	324	AUTO DOOR CLOSERS Supply, installation, testing & Commissioning of Heavy Duty Auto Door Closer, Adjustable Hydraulic Type Imported, Complete in All Respects	%Nos	5			
325	325	WIRING / CABLING - COMMUNICATION Supply & Wiring of Access Control Point, From Network Data Switch to Access Controller, With 4 Pair Cat6 F/UTP Low Smoke Zero Halogen IEC 60754-1 ISO IEC 11801 250 MHz 1G Data Cable Including Cost of Cat6 F/UTP I/O Jack with Cat6 Patch Cords & Relevant Accessories, In PVC Conduit 1"0 With Required Fixing Accessories Civil Work, Complet in All Respects(305-coil)	%Nos	2			

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
326	326	Supply, Installation of wall mounted 15U data cabinet imported, double section, including lockable front glass door , 06 Way power distribution unit rack mounted.	%Nos	1			
327	327	Supply and Installation of Rack Mounted UPS of rating 1KVA, single phase,230V,0.9p.f including Rack Mount Kit and internal batteries. The complete unit shall be designed, fabricated and commissioned as per technical specifications.	%Nos	9			
328	328	Commissioning & Operational of the entire system By Traind Certified Personal for required security systems & System operational Training to the Client Personal .	%Job	1			
329		Total Estimated Cost					1100000000

Sr. No	Sr.No	Description	Unit	Quantity	Rate	Amount inWords	Amount (Rs)
						GRAND TOTAL:	Rs1,100,000,000.00



Scope of Work

The project shall comprise the following major components:

- a. Construction of a state-of-the-art steel-frame structured building to house the Next Generation Technologies (NGT) Hub, including:
 - 1) AR/VR and immersive simulation facility.
 - 2) Modern office spaces and collaborative work areas.
 - 3) High-end IT infrastructure, including server rooms, networking, data processing, and communication systems.
 - 4) Conference, training, and meeting facilities.
 - 5) Essential building services, utilities, safety systems, and associated amenities.
- b. Development of external works, including:
 - 1) Solar system, Landscaping and horticulture works.
 - 2) Drainage, utility connections, outdoor lighting, and other ancillary infrastructure necessary for the complete and functional operation of the facility.

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

Bookshop – Box- 311 – CH – 1215 Geneva 15, Switzerland

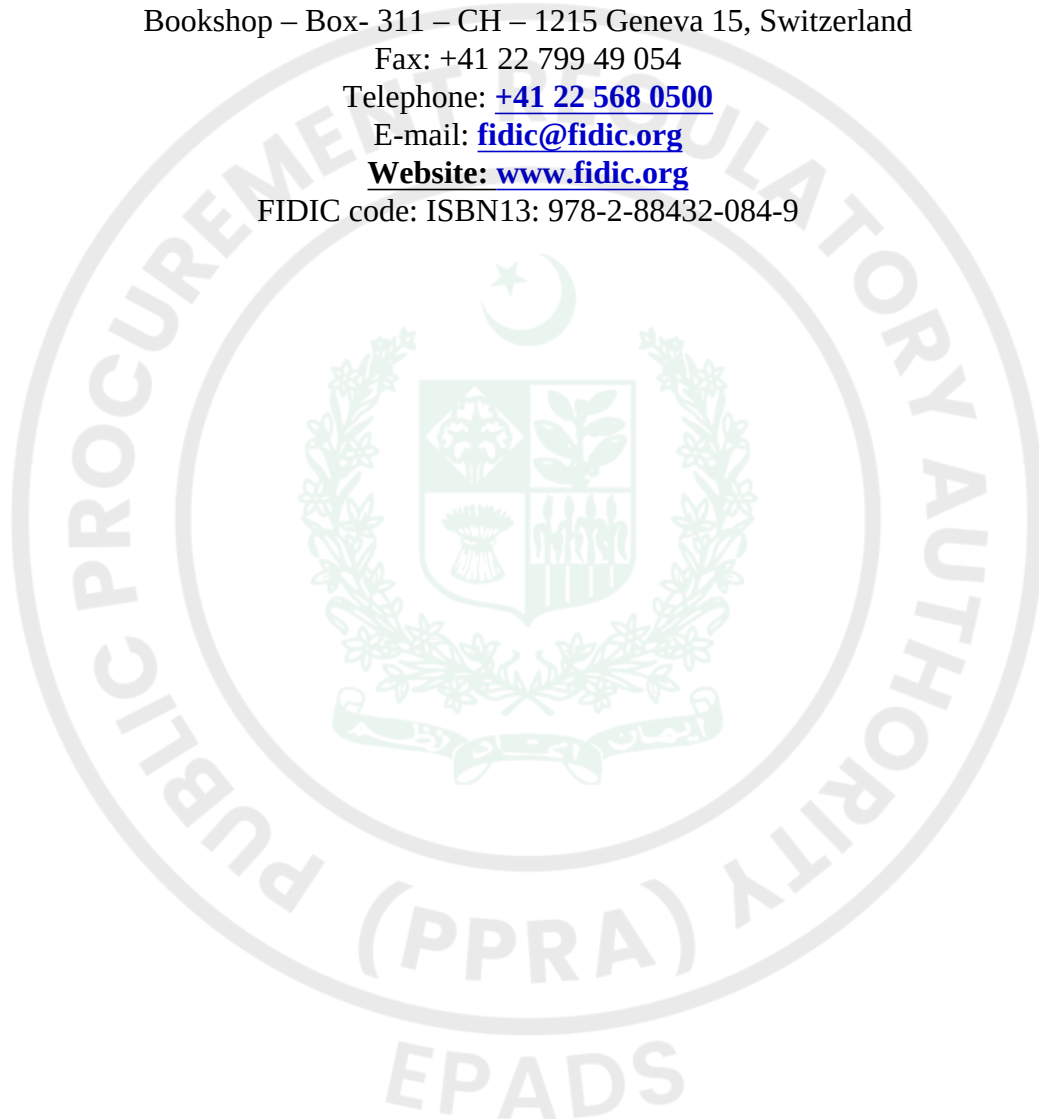
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Website: www.fidic.org

FIDIC code: ISBN13: 978-2-88432-084-9





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: **NDMA (National Disaster Management Authority (NDMA)), Director Near ITP Office, Main Murree Road, Islamabad Capital Territory**

Sub-Clause 1.1.35

Engineer's name & address: **Junaid Khalid**

NDMA HQ, Islamabad

Sub-Clause 1.1.84

Time for Completion: **90 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: **Near ITP Office, Main Murree Road, Islamabad Capital Territory**

Address of Engineer for Communications:

NDMA HQ, 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: **5 days** after Commencement Date

Sub-Clause 2.4

Employer's financial arrangements:

NDMF

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: **Pay Order, Call at Deposit, Bank Guarantee, Demand Draft**

Sub-Clause 4.2.1

List of Insurance Companies:

All AA rating insurance companies

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: **12**

Sub-Clause 8.3

Number of additional paper copies of programmes: **2**

Sub-Clause 8.8 & 14.15(b)

Delay Damages payable for each day of delay **0.20%** 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 **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: **2**

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): **No**

[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: **Nil days**

Sub-Clause 14.7b(ii)

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

Sub-Clause 14.7(c)

Period for the Employer to make final payment to the Contractor: **30 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: **2**

[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 30000

The Amount of Insurance Required for Damage to Property is 100000 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 3

[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

Shahid Ismail

Aziz Ali

Junaid Khalid

- 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: **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) *[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 or rating 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/VISOfrating 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.: **P66746**

To: **NDMA (National Disaster Management Authority (NDMA)), Director Near ITP Office, Main Murree Road, Islamabad Capital Territory**

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 **NDMA (National Disaster Management Authority (NDMA)), Director Near ITP Office, Main Murree Road, Islamabad Capital Territory** (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., **EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT) (P66746)** 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 EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT)

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

Name and contact details of the Employer **NDMA (National Disaster Management Authority (NDMA)), Director**

**Near ITP Office, Main Murree Road, Islamabad Capital Territory
+92-300-500-1238
latifndma@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 **NDMA (National Disaster Management Authority (NDMA)), Director Near ITP Office, Main Murree Road, Islamabad Capital Territory** (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 **EXTENSION OF NEOC - ESTABLISHMENT OF NEXT GENERATION TECHNOLOGIES (NGT) (P66746)**

_____ (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: _____

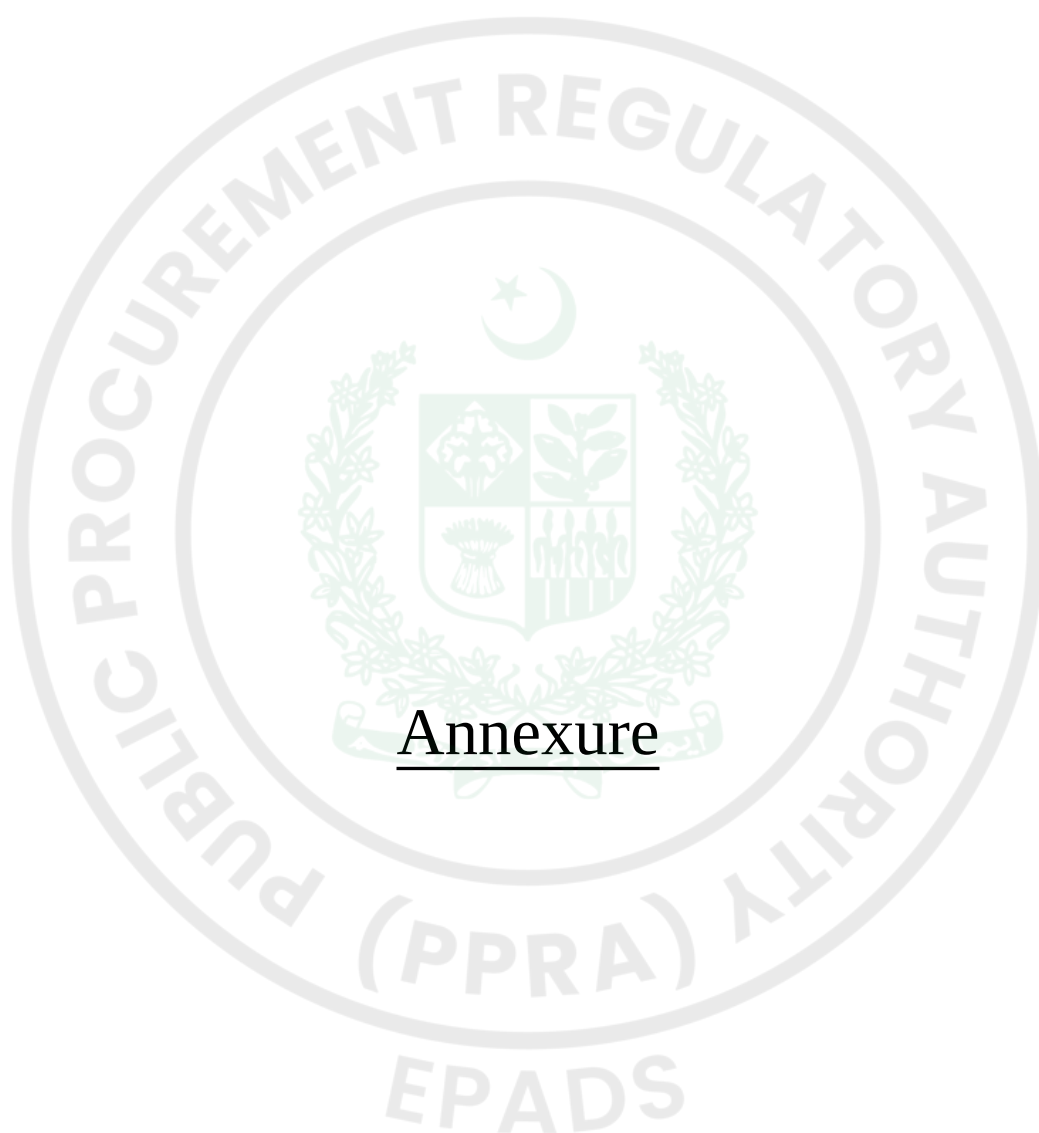
Corporate Guarantor (Seal)

WITNESS:

1. _____

2. _____

Name, Title & Address



Annexure

BOQ

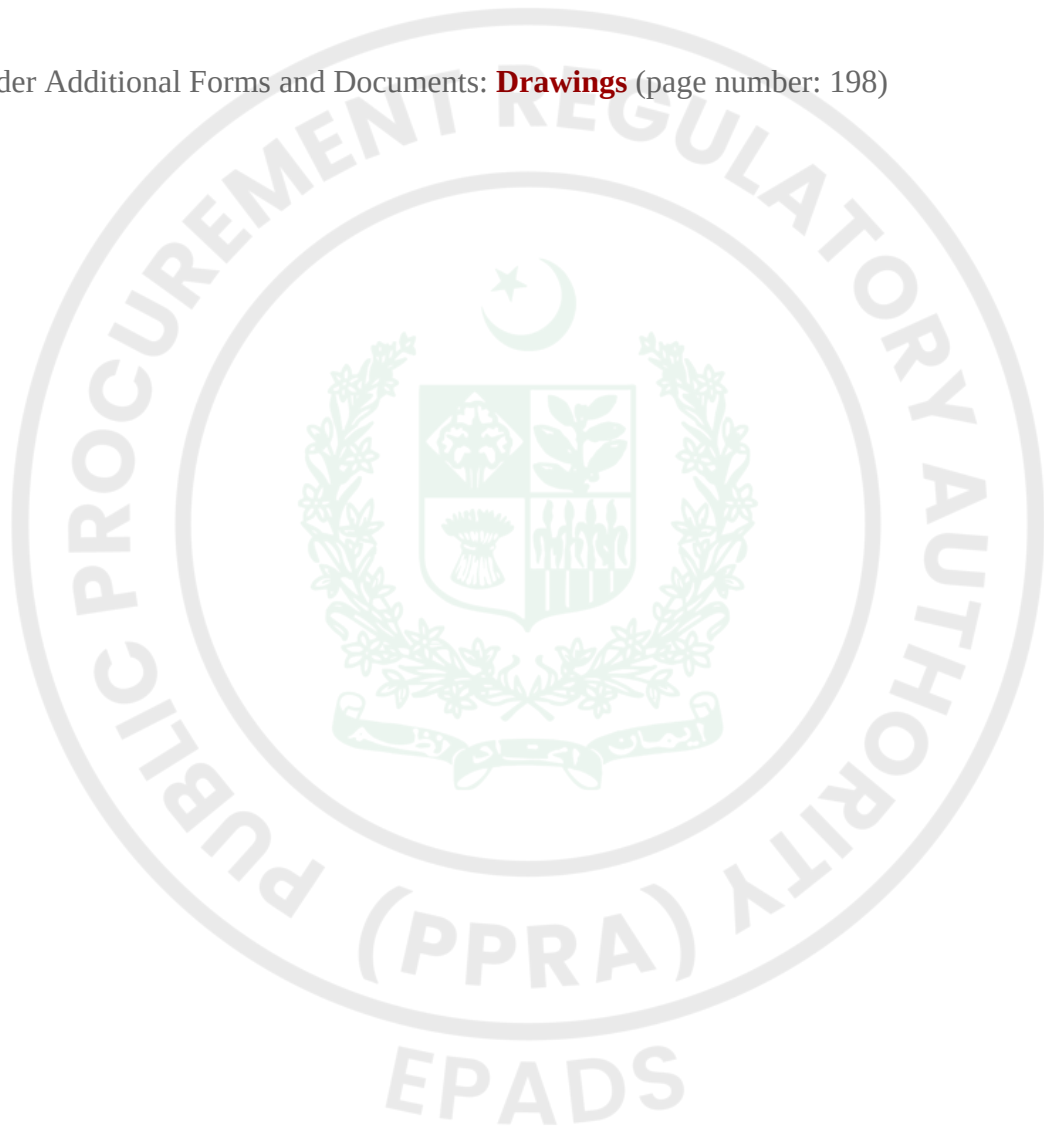
Information (Read-Only)

See Form Under Additional Forms and Documents: **BOQ** (page number: 159)

Drawings

Information (Read-Only)

See Form Under Additional Forms and Documents: **Drawings** (page number: 198)





Procurement Forms

Past Construction Experiences

See Form Under Additional Forms and Documents: **Past Construction Experiences** (page number: 209)

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: 215)

Financial Resources

See Form Under Additional Forms and Documents: **Financial Resources** (page number: 219)

Past Experience and Completed Contracts

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 220)

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: 221)

Current Contracts and Their Progress

See Form Under Additional Forms and Documents: **Current Contracts and Their Progress** (page number: 223)

Financial Capacity and Net Worth Evaluation Form

See Form Under Additional Forms and Documents: **Financial Capacity and Net Worth Evaluation Form** (page number: 224)

Average Annual Turnover

Average Annual Turnover $\geq$ Rs. 1500 Million

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 226)





Additional Forms and Documents

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES - NDMA ISLAMABAD				
SUMMARY OF BILL OF QUANTITIES				
Ser			Description	Amount (Rs.)
1			Civil Works	
	(a)		Sub-Structure Civil Work	
	(b)		Super-Structure Civil Work	
	(c)		Finishes	
	(d)		Steel Work	
2			Electrical Works	
	(a)		Wiring, Cables, Switches, Lights and Panels etc	
	(b)		ATS & MOR	
	(c)		Lightning Protection System	
	(d)		UPS	
	(f)		Solar System	
3			Low Current, IT & Video Walls	
	(a)		Structured Cabling	
	(b)		Telecommunication	
	(c)		Access Control System	
	(d)		IT Equipment	
	(e)		PA System	
4	(a)		Intelligent Addressable Fire Alarm System	
	(b)		Fire Suppression System	
5			Video Walls	
6	(a)		Public Health	
7			HVAC System	
8			CCTV	
9			Furniture	
A. Total Cost (Rs.)				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES - NDMA ISLAMABAD					
1A. BOQ FOR CIVIL SUB-STRUCTURE					
S/No	Description of Work	Unit	Qty	Rate	Amount
1A.	Sub-Structure Works				
1	Dismantling of existing concrete floor including removal of surplus debris, unused material and by products as directed by the Engineer complete.	Job	1		
2	Excavation for foundation of columns, walls, etc. upto any depth and lead including back filling of excavated earth in foundation trenches and spreading the surplus earth in plinth area and/or depressions where required including making provision for shoring of loose soil if required and removal of excavated earth upto 5'-0" from edge of excavation complete as per drawing and as directed by the Consultants.	Cft	31,268.00		
3	Disposal of excavated earth outside premises with lead upto 20Km	Cft	25,014.40		
4	Providing Earth filling with off site material (brought from out side source) including compaction upto 95% in plinth, depression and where ever required laid in 12" layer well watered, consolidated and compacted with mechanical means complete as per drawing and as directed by the Consultants.	Cft	500.00		
5	Termite proofing of New buildings with approved chemicals except joinery.	Sft	18,275.40		
6	Providing and laying of granular material platform below pcc level with compaction upto 95% of MDD.	Cft	7,029.00		
7	Providing C.C. 1:4:8 bed concrete using graded screened bajri 3/8" and down gauge as fine aggregate and stone ballast 1" to 2" size as coarse aggregate in foundation over well compacted earth including levelling and curing etc. complete as per drawing and as directed by the Consultants	Cft	6,778.63		
8	Supply and fix, bars round, using deformed bars Grade-60, including cutting, bending, binding and placing reinforcement in position.	kg	35,001.00		
9	Water Proofing treatement of UGWT & Septic Tank	Sft	694.00		
10	Providing and laying PCC 1:3:6, laid under floor using crushed or broken stones.	Cft	4,639.14		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

1B. BOQ FOR CIVIL SUPER-STRUCTURE

S/No	Description of Work	Unit	Qty	Rate	Amount
1B.	<u>Civil - Super Structure</u>				
1	Providing Reinforced cement concrete 1:2:4 (mix design) using graded screened bajri 3/8" and down gauge as fine aggregate and crushed stone 3/4" and down gauge as coarse aggregate with machine mixing including the cost of form work and its removal, vibrating using mechanical vibrator, curing and cube testing etc. having min. works cube crushing strength of 3,000 psi after 28 days curing but excluding the cost of reinforcement bars complete as per drawing and as directed by the Consultants.	Cft	12,970.48		
2	Providing brick masonry using 9" x 4 1/2" x3" best approved quality burnt bricks the bricks used should be well-burnt without being vitrified and shall be uniform in colour, regular in shape and size with sharp and square corners and parallel faces, free from flaws and cracks, to be laid in mortar 1:4 with curing, scaffolding, racking out the joints, courses shall be kept in time plumb as per drawing, standard specification and as directed by the Consultants Up To 12ft Height.	Cft	8,712.03		
2	Providing, laying and compaction of Granular material under plinth protection	Cft	4,300.00		
3	Providing and laying PCC 1:3:6, laid for Plinth Protection of the building using crushed or broken stones.	Cft	4,300.00		
4	Providing and laying of cementecious / chemicals tiles of different sizes at plinth protection comprising of sand cement mortar complete in all respects	Sft	1,960.00		
5	Supply and fix, bars round, using deformed bars Grade-60, including cutting, bending, binding and placing reinforcement in position.	kg	12,001.00		
6	Supply and fix, bars round, using deformed bars Grade-60, including cutting, bending, binding and placing reinforcement in position.	kg	10,350.00		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

1C. BOQ FOR CIVIL SUPER-STRUCTURE

S/No	Description of Work	Unit	Qty	Rate	Amount
1C.	Finishes				
1	Providing fabrication and installation in position 12mm of gypsum board sheet (gypsum board approved company) including cutting of opening for lights ifixture/ diffusers with making of light pelmet fiber tape on joints including 3 coats of mat enamel paint fininsh pemerr coat filing if required with all other hardwares, wastage scaffolding, making access panel (where required) etc as per design & drawing complete.	Sft	17,581.55		
2	Providing fabrication and installation of MDF (Medium desity fiberboard) false ceiling of approved quality and specified thickness fixed over GI/Wooden framwork with necessary hangers, supports, screws, fastners and accessories. The work shall include cutting/joint treatment, edge finishing, sanding and application of paint / lamination (Where required) complete in all respects as per approved drawings and site requirments.	Sft	2,510.00		
3	Supply & fix Porcelain tiles (make Orient or equivalent on floor, Wall & skirting with all measurable and tile size upto 24"*48", fixed with tile bond of Foji or approved brand and complete with screening, grouting, filling, finishing and etc. complete in all respects, as per drawing	Sft	20,850.00		
4	Supply & fix Porcelain tiles (make RAK or equivalnet) on Ground floor, Wall & skirting with size upto 24"*48", fixed with tile bond of Foji or approved brand and complete with screening, grouting, filling, finishing and etc. complete in all respects, as per drawing	Sft	6,780.00		
5	Provision and laying of GF & FF Carpet tile brand Mooiflor or equivelent over raised floor using fire retardent adhesive including cost of Labor, material complete in all respect	Sft			
6	Providing and Fixing Solid Wooden Floor with jumbolon sheet fixed with samad bond including all other arrangements works to complete in all Respects	Sft	1,400.00		
5	Providing and Installation of 1" Granite/Marble pattern design flooring as per pattern in drawing, with base layer having cement sand mortar 1:4 in proprer levels with all arrangments and mortars grout, Polishing filling and all edges to be cut by water jets or leaser technology & etc, works to be complete as per quality & architectural finishes aspects and in accordance with the specifications & drawings. Complete in all respect				
i	Ground Floor & First Floor	Sft	547.00		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

1C. BOQ FOR CIVIL SUPER-STRUCTURE

S/No	Description of Work	Unit	Qty	Rate	Amount
6	Providing and Installation of 3/4" Granite/Marble Pre-Polish Marble Skirting, including water resistant treatment of stone, with base layer having cement sand mortar 1:4 in proper levels with all arrangements and mortars grout, filling and all edges to be cut by water jets or laser technology & etc, works to be complete as per quality & architectural finishes aspects and in accordance with the specifications & drawings .Complete in all respect.				
i	Ground Floor & First Floor	Rft	95.00		
7	Providing and Laying Granite/Marble 1" thick Pre-Polish on Steps, Entrance, Stair Steps with base layer having cement sand mortar 1:4 in proper levels, including riser marble 1/2" thick with all arrangements, cutting, grout, filling, and all works to the complete finish. Complete in all respect.				
A	1" Thick Granite/Marble Tread				
i	Ground Floor & First Floor	Sft	174.00		
B	½" Thick Marble Riser				
i	Ground Floor & First Floor	Sft	174.00		
8	Supply and fix raised floor in Data Room / IT Area	Sft	4,600.00		
9	Supply & apply 2 coats of Plastic Emulsion paint (Mat finish) of approved quality, color and shade over 2 coats of Primer of approved manufacturer and quality on Ceiling, Columns, Walls, & etc including surface preparation, Wall putty filling, cutting, surfacing, scaffolding, scraping, sanding, & etc. complete in all respect	Sft	56,500.00		
10	Provide and install Aluminum Composite Panel(ACP) overall 4mm thick with 0.5mm skin thickness with mineral-filled core of approved sample & metallic/solid colour of approved shades including making grooves, chamfered edges, joint details, sealant, backing rod, fixing & framing system, protection of panels, etc. all as per manufacturer's specifications and instructions, fixing arrangement, etc. complete in all respect as per drawings & specifications.	Sft	20,500.00		
11	Providing and Installation of 12mm thick Laminated Tempered glass openable Single door with motor system brand Linovo or equivalent, Including Frosted film, Access control, top supported, and all concealed fittings and other arrangements	Sft	1,160.00		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

1C. BOQ FOR CIVIL SUPER-STRUCTURE

S/No	Description of Work	Unit	Qty	Rate	Amount
12	Providing and Installation of 12mm thick Laminated Tempered glass openable Sliding door with sensor motor system brand Linovo or equivalent, Including Frosted film, Access control,top supported, and all concealed fittings and other arrangements	Sft	84.00		
13	Supply & fix UPVC framing brand VeKa origin: Germany including best quality imported ironmongery, accessories, sealant and backer rods ,anchorage, Aluminum trim covers and closures , flashings etc., complete in all respect.	Sft	640.00		
14	Supply and fixing of wooden decorative wall cladding with grade A, soft wood Ash wood 16mm thick cut to size including polish and veneer finish where required	Sft	350.00		
15	Supply and fixing of leather finish soft decorative wall cladding 16mm thick complete in all respect.	Sft	233.00		
16	Provision and fixing of HDF moulds on walls as per architectural drawings complete in all respect	Rft	650.00		
17	Supply & fix 1-1/2" thick first class semi solid core flush door of wood veneer finish, with wooden frame 2" thick (chokhat) including wood lipping and 2-3/4" architrave on all sides of the door shutter with matt lacquer polish of approved stain & color, including heavy duty C.P. brass fittings, high quality hinges, heavy duty door locks, holdfast, door beading, door stopper, door handle, etc. complete in all respect	Sft	640.00		
18	Supply and fix False Ceiling Gypsum sheet 1200 mm x 2400 mm x 12.5 mm thick, including Aluminium/SS Tee and Aluminium/SS angle, 25 mm x 25 mm x 1 mm, including hanger clips, jointing clips and 14 SWG, GI wire etc., complete.	Sft	550.00		
19	Supply and fix, Dampa Ceiling, along with necessary components for fixing directly suspending from the soffit complete, including provision of opening for lights etc.	Sft	700.00		
20	Providing and fixing Stainless Steel Railing, best quality S.S shaft of seamless pipe, rails and posts up to 7.5cm dia,100cm in height, on internal stairs complete in all respects	Rft	155.00		
21	Processing, Supply and instalation of glazed curtain wall for exterior elevations, double glazed tempered local glass as per design and instruction of the consultant.Complete in all respect as per drawing & specifications.	Sft	4,400.00		
22	Installation of blind curtains providing, placing and installation of blid curtain including preparation of all required arrangments and access work to be compete as per quality and interior finishes aspects in accordance with specifications complete in all respects	Sft	1,970.00		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

1D. BOQ FOR STEEL STRUCTURE

S/No	Description of Work	Unit	Qty	Rate	Amount
1D.	<u>Steel Structure</u>				
1	Design, Manufacturing Supply and Installation of material for Pre-engineered steel shed including primary structural steel (ASTM A572 Grade-50) rafters, columns, secondary structural steel elements (ASTM A653 Grade-50) galvanized roof Purlins, Wall Girts, 0.5mm thick lock Seam sheet with aluminum clips for Roof & 0.5mm thick pre-painted S-profile Sheet for Exterior walls, pre-painted trims, gutter, down take pipe and cross wire bracing, angle bracing, connection Plates, base plates , anchor bolts and other necessary, Hardware and fixing/stitching screws etc.	Sft	14,058.00		
2	Supply and installation of Steel structure for Mezzanine Floor Including, Beams, Joists, 0.7mm Thick Deck panel Sheeting Base Plates, Connection Plates, Connection Bolts, stair for mezzanine Access and Nut Bolts Screws etc.	Sft	6,015.00		
3	Providing and fixing roof liner sheet made of precoated galvanized steel / aluminium-zinc alloy coated steel sheet, 0.5 mm thick, of approved make, colour, and shade, fixed to the underside of purlins using self-drilling/self-tapping screws with EPDM washers, complete with all accessories such as ridge fillers, trims, and sealants, as per the manufacturer's specifications and drawings	Sft	13,350.00		
4	Supply and installation of Steel structure stair including railing with 12mm thk glass complete in all respects	Job	1.00		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

1D. BOQ FOR STEEL STRUCTURE

S/No	Description of Work	Unit	Qty	Rate	Amount
5	Supply, fabrication and installation of MS/GI structural framework for façade shade comprising MS square/rectangular pipes and/or GI C-Channels of approved size and thickness, including all necessary brackets, cleats, gusset plates, anchor bolts, chemical anchors, nuts, washers and welding accessories. The structure shall be adequately braced and securely connected to the existing RCC columns and anchored with brick masonry wall using suitable fastening arrangements. The scope includes cutting, fabrication, erection, alignment, welding, grinding, anti-rust primer and paint finish, complete in all respects as per approved drawings and site requirements.	Ton	4.00		
6	Supply and installation of 0.5mm thick internal liner sheet for Roof & Wall area. (Sheeted Area of Roof & Walls)	Sft	2,435.00		
7	Supply and installation of Light Gauge Steel Structure Cold Formed 90mmx40mm C Channel for internal partitions walls for G.F & F.F. (Surface Area of walls)	Sft	8,205.00		
8	Supply and installation of 100mm thick Glass wool insulation for Internal Partition Walls. (Surface Area of walls)	Sft	13,505.00		
9	Monkey Ladders	Nos	2.00		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

2A. BOQ FOR ELECTRICAL - WIRES AND CABLES

Item No	Item Description	A/U	Qty	Rate	Total Amount
2A.	Wires and Cables				
1	Incoming Main Power Supply to MDP+ATS 8 No. 1C-300 Sqmm Cu/XLPE/PVC	Rft	1200		
2	ECC 2 No. 1C-150 Sqmm Cu/PVC	Rft	300		
3	From 650kVA Generator to MDB+ATS 8 No. 1C-300 Sqmm Cu/XLPE/PVC	Rft	1200		
4	ECC 2 No. 1C-150 Sqmm Cu/PVC	Rft	300		
5	From MDP+ATS to LPDB-GROUND 4C-35 Sqmm Cu/PVC/PVC + ECC 1C-16 Sqmm Cu/PVC	Rft	150		
6	From MDP+ATS to UPS-to-DB-VEDIO-WALL 4C-120 Sqmm Cu/PVC/PVC + ECC 1C-70 Sqmm Cu/PVC	Rft	160		
7	From MDP+ATS to DB-HVAC-OUTDOOR 4x1C-185 Sqmm Cu/PVC/PVC	Rft	140		
8	ECC 1C-95 Sqmm Cu/PVC	Rft	35		
9	From MDP+ATS to UPS-to-UBD-GROUND 4C-10 Sqmm Cu/PVC/PVC + ECC 1C-10 Sqmm Cu/PVC	Rft	160		
10	Wiring for sub-main with 3x4 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire from DB to 13A/15A Socket & 15A socket to socket.	Coil	110		
11	Supply & installation of following 16 SWG G.I sheet perforated cable tray with soild cover including proper manufactured flexible expansion coupler, elbows, risers, tees, reducers,crosses, internal & external bends and fittings, galvanized support structure, all accessories, compelete in all respects.				
12	12" X 3"	Rft	624		
13	6" X 3"	Rft	664		
14	Providing & installing (8") In-Line-Duct-fan switch, fitted on wall or column including connection as required.	No	6		
15	Wiring for sub-main with 3x2.5 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire from DB to Switch, Switch to Switch,Switch to Light Point, Light Point to Light Point with all accessories connectors, cable ties, circuit tagging etc	Coil	210		
16	Supply & fixing 25mm (1") dia PVC conduit with all accessories such as bends, sockets, Junction etc fitted on surface as required.	Rft	4000		
	Sub-Total Rs. =				-

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

2B. BOQ FOR ELECTRICAL - SWITCHES & SOCKETS

Ser	Item Description	A/U	Qty	Unit Rate	Total Amount
2B.	Switches & Sockets				
1	1-Gang one way	No.	17		
2	2-Gang one way	No.	27		
3	3-Gang one way	No.	4		
4	4-Gang one way	No.	4		
5	1-Gang Two way	No.	6		
6	13A, International Switch Socket unit	No.	241		
7	13A International Switch Socket with USB port for Mobil Charging	No.	12		
8	15A, Power Switch Socket unit	No.	25		
9	20A DP Switch with neon indication for Hand dryer	No.	3		
10	20A DP Switch with neon indication for Split ACs	No.	4		
11	16A DP Isolator for Indoor VRF	No.	21		
12	20A DP Switch with neon indication for Water Heaters	No.	3		
13	40A TP Isolator for Outdoor VRF	No.	4		
14	80A TP Isolator for Outdoor VRF	No.	4		
15	Supply & Installation of Imported Floor Outlet Boxes without face plates made of 16 SWG G.I Sheet, recessed in ground as per design drawings.	No.	66		
16	Supply & Installation of the 450mm x 75mm of Linear Outlet Boxes without face plates made of Aluminum, mounted on wall or punched in furniture as per design drawings. The linear outlet boxes are to be provided with appropriate sizes of knockouts.	No.	26		
17	Supply & Installation of Imported Popup Box without face plates made of 16 SWG G.I Sheet, recessed in ground as per design drawings.	No.	8		
18	16A 3-Pin (Single Phase) Industrial Socket with Plug, in IP-Rated Enclosure (For Communication Rack)	No.	5		
	Sub-Total Rs. =				

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

2C. BOQ FOR ELECTRICAL - LIGHTING FIXTURES

Ser	Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
2C.		LIGHTING FIXTURES				
1		Recessed LED light fixture (600mm by 600 mm), 40 Watt, 3800lumens minimum, Brand Phillips or equivalent suitable for gypsum board or aluminum panel/dampa false ceiling, complete in all respects.	No	196		
2		Emergency Exit Sign Light Wall/Ceiling Mounted 8W.with battery back up	No	5		
3		Decorative Up-Down Wall Mounted External Light Fixture, IP-65 weather-proof, Color 3500K.	No	6		
4		Wall Mounted Internal 12W LED Light, Color 3500K.	No	6		
5		Mirror Light.	No	6		
6		8/10Watt Led Non Maintained Emergency Light with 60 min Backup time	No	8		
		Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD**2D. BOQ FOR ELECTRICAL - PANELS**

Ser	Item Description	A/U	Qty	Unit Rate	Total Amount
2D.	Electrical Panels				
1	UDB- DATA+W/S	No.	1		
2	LPDB	No.	1		
3	LPDB Ground	No.	1		
4	UDB Video Wall	No.	1		
5	UDB FF	No.	1		
6	UDB GF	No.	1		
7	DB HVAC	No.	1		
8	MAIN LV	No.	1		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

2E. BOQ FOR ELECTRICAL - T/F

Ser	Description	RATING	MODEL	BRAND	QTY
2E.	ATS With MOR (T/F & GEN 650KVA)				
	INCOMING				
i	ACB, ICU-65kA (Adjustable trip)	1000ATP	NW10H1	SCHNEIDER/France	2
ii	MOTOR MECHANISM	200VAC	MCH	SCHNEIDER/France	2
iii	UVT	200VAC		SCHNEIDER/France	2
iv	SHUNT OPENING	200VAC	MX	SCHNEIDER/France	2
v	SHUNT CLOSING	200VAC	XF	SCHNEIDER/France	2
vi	Phase Indication Lights R/Y/B	220 VAC	LED Type		6
vii	Control Fuse			Legrand/ABB/SIEMENS	6
	ATS				
viii	ATS Module		DSE 331	DEEPSEA	1
ix	Battery Charger	10A		Imported	1
x	Aux. Relay 11 PIN	24 VDC		Phoenix/eqv.	2
xi	14-Pin Aux Relay	220 VAC		Phoenix/eqv.	2
xii	PHASE FAILURE, UNDER AND OVER VOLTAGE	300-500V	RM22TR33	SCHNEIDER	1
xiii	MCB, ICU-06kA	6ATP		SCHNEIDER/Thailand	1
xiv	Emergency Stop Button				1
xv	Auto Off Manual Selector Switch	3 Position		K&N/CAMSCO	1
xvi	Push Button ON/OFF	220 VAC		FICO/PAKISTAN	4
xvii	Indication Lights On/Off	220 VAC	LED TYPE		4
xviii	Control Fuse			Legrand/abb /Siemen	6
xix	Terminal Block	2.5mm		Imported	10
	OUTGOING WITH MOR				
xx	MCCB, ICU-50KA, Adjustable Trip	1000 AP	NS 1000N	SCHNEIDER/France	3
	Panel Accessories				
xxi	FAN WITH FILTERED LOUVER	220 VAC		Imported	2
xxii	PANEL THERMOSTAT FOR FAN CONTROL, INO, IP20	-45 to +80	DMS 1141	DEMEX/PAKISTAN	2
xxiii	Control Fuse			Legrand/abb /Siemen	2
Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
1	ATS With MOR (T/F)	No.	2		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

2F. BOQ FOR ELECTRICAL - LIGHTNING PROTECTION SYSTEM

Ser	Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
2F.		LIGHTNING PROTECTION-&-EARTHING SYSTEM				
		<u>Early Streamer Air Terminal</u>				
1		Supply, installation, testing and commissioning of Early Streamer Emission (ESE) having following specifications: Make : Indelec/Application Technologies/Approved Equivalent Type : Generation 2 or higher Maximum Discharge Rating : 180 to 200 kA or higher Material: Stainless Steel / as per manufacturer's specifications Length: 400mm / as per manufacturer's specifications Level of Protection: Level 1 Minimum Protection Radius: 29m Mounting height (from Roof top to tip of ESE) : 2m or as specified Including Air Terminal with 1½" Brass adaptive piece mast for connection of cable/tape to be fixed on top of Galvanized steel mast as shown on drawings including cost of all necessary accessories, complete in all respects.	1	Nos.		
		<u>Copper Tape</u>				
2		Supply at site and installation of copper strip of size 25mm wide x 3mm thick to be installed in vertical position on walls from Steamer to Earth Pit as shown on drawings or as required as per site conditions, including cost of Naval brass cable, tape parallel clamp, Nylon conductor clip with 17mm height to secure copper tape, brass screws, guard tube tape and all necessary fixing material / accessories, complete in all respects.	250	Rft.		
		<u>Lightning Event Counter</u>				
3		Supply at site, installation and connection of Surge/Lightning Event Counter ahead of guard tube for indicating the number of surges arrested by the Early Streamer Emission.	1	Nos.		
		<u>Earth Rod & Bonding Bar</u>				
4		Supply at site and installation of 2 meter long 20mm dia. threaded 254µm copper bond earth rod to be installed inside manholes and bonded together with 70mmsq SCC, including cost of brass nuts bolts, washers, 235x40x25mm Naval Brass Bonding Bar for connection of earthing system to earth pit complete in all respects with all necessary materials.	9	Nos.		
		<u>Accessories.</u>				
5		<u>Tape Clip-with-inslated-OR-PVC-Tape-clip</u>	250	Nos.		
6		<u>Straight Clamp (Tape To Conductor) Brass</u>	2	Nos.		
7		<u>Clamp (20mm Copper Rod To Conductor)</u>	6	Nos.		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

2F. BOQ FOR ELECTRICAL - LIGHTNING PROTECTION SYSTEM

Ser	Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
		<u>Earthing System - Bore Type</u>				
8		Drilling of earth bore 3" (75mm) dia up to 10' below permanent water table, back filling, ramming, complete in all respect. Earthing bores shall be made at 6'-0" away from foundation and distance between earth bore shall not be less than 10'-0" to achieve desire earth resistance mentioned in specification.including-inspection-pit-600x600*450mm	15	Nos.		
		<u>G.I. Pipe</u>				
9		Supply and installation of G.I pipe 50mm (2") dia. 14 SWG and tinned spike to be installed in premade bore, all G.I pipe accessories like tees, bends, sockets etc.: G.I pipe shall have 1/2" predrilled hole at every 6" distance. G.I pipe shall be connected to tinned copper spike as per detail shown on drawing, complete in all respects.	280	Rft.		
		<u>Copper Conductor</u>				
10		Supply, installation and connections of earthing leads consisting of stranded electrolytic copper conductor of following sizes to be installed in prelaidd G.I pipe and connected to tinned copper spike and to ECP in electrical room as per detail shown on drawings or as per the instructions of the engineer. Earthing leads shall be installed in G.I pipe, including cost of brass nuts, bolts, washers, all necessary accessories, complete in all respects. Joints of copper conductor with G.I pipe shall be covered with 3 coats of bitumen.				
11		70 mm sq. (Bare Coppore)	80	Rft.		
12		150 mm sq. (Bare Coppore)	650	Rft.		
		<u>P.V.C. Conduit and Accessories</u>				
13		Supply and installation of heavy duty 40mm dia PVC conduit to be installed in walls, floor, columns or as required as per site conditions including cost of all PVC conduit accessories, steel pull wires, complete in all respects.	200	Rft.		
		<u>ECP (in inspection Chamber)</u>				
		Supply and installation of sactionable copper test link in electrical room made of copper plate not less than 300mm long x 50mm wide x 6mm thick with necessary holes, all fixing accessories of the copper plates on the wall, brass nuts, bolts, washers, including cost of all necessary materials, complete in all respects.	9	Nos.		
		<u>Earth Bus Bar With Special Insulator (Accessories)</u>				
14		50 x 6 x 500	15	Nos.		
		<u>1 Core Cable PVC/PVC (Yellow/Green) For Earth</u>				
15		1 core 150mm.sq.	90	Rft		
16		1 core 70mm.sq.	20	Rft		
		<u>Copper Tape</u>				
17		Electro statical discharge copper strip	6120	Rft		
		Sub-Total Rs. =				-

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

2E. BOQ FOR UNINTERUPTED POWER SUPPLY

Ser	Item Description	A/U	Qty	Unit Rate	Total Amount
2E.	UPS				
1	U-060M33H Modular UPS - Rack Mount IEC Type 400V3P 60kVA Maximum capacity, power efficiency >95.5%, 8U height rack mount with 6 x 400V3P 10kVA power module for modular UPS, Output PF 1.0, hot-swap module with 32 x 12V65AH Batteries (15 mins battery backup). Battery bank and SNMP card is included.	No	1		
2	U-030R33H - UPS rack mount, 30kVA Online UPS, output PF 1.0, 380V/380V, 4U height with 15 mins battery backup. Third Party battery bank price is also included. SNMP Card is included	No	2		
	Sub-Total Rs. =				-

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD					
3A. BOQ FOR LOW CURRENT- STRUCTURES CABLING NETWORK					
Ser	Item Description	A/U	Qty	Unit Rate	Total Amount
3A.	STRUCTURED CABLING NETWORK				
	Supply at site, installation, testing & commissioning of following complete Structured Cabling Network including mounting bracket, all fixing and mounting accessories, including all accessories as required, complete in all respect.				
1	Simplex Face plate with RJ-45 I/O CAT-6 UTP Telecommunication and Networking outlet including sheet steel back box shall make of 16 SWG shall be finished in powder coated paint, including all mounting accessories.	No	288		
2	Wiring from RJ45 outlet point to relevant Building / floor distributor with CAT-6 UTP cable in already laid concealed conduit / already installed cable tray or cable trunking including all accessories complete in all respect.(305Rm-Coil)	Coil	34		
3	24 port Cat-6 UTP Giga Speed modular loaded (RJ45) jack patch panel compatible with 19" rack installed in floor/wall mounted cabinet including built-in rear cable management with all mounting accessories.	No	12		
4	Supply, Laying, Installation 06 Core Single-Fiber Optic Cable.	No			
5	19" Rack mounted Front Cable Management with all installation accessories.	No	12		
6	Following type CAT-6, UTP Giga Speed patch cord with RJ45 connector at both ends.				
6. a	1 meter (3 ft.) long	No	288		
6. b	3 meter (10 ft.) long	No	206		
7	Supply of enterprise level manage aggregation switch, Layer 3 with 4X SPF+ Port	No	4		
8	Following Layer-2 + Managed Network Switch to be installed in 19" rack with 24 Gigabit Ethernet Ports, 04 Nos SFP Modules Single Mode, including all components and accessories complete in all respect.				
9	24-port	No	12		
10	Supply & Installation of floor standing data cabinet 27U imported including vertical cable management, heavy duty casters, 4-way fans with lockable front glass door perforated rear door two side doors, 06 Way power distribution unit rack mounted and four wheels.	No	4		
11	Supply & Installation of Optical Distribution Frame (ODF) SC Type of following ports loaded with Couplers, Pigtails and other allied accessories :Rack-Mounted 8 Ports	No	4		
12	Supply and Installation of Rack Mounted UPS of rating 1KVA, single phase,230V,0.9p.f including Rack Mount Kit and internal batteries. The complete unit shall be designed, fabricated and commissioned as per technical specifications.	No	4		
13	Supply-&-installation-of-fiber-patch-cord-	No	20		
14	Dell Optiplex 7020 I7 14700 16 GB DDR5 512GB NVME DOS KB - MOUSE with 4 Port LAN Card including Monitor and accessories	No	34		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

3B. BOQ FOR LOW CURRENT- TELECOMMUNICATION

Ser	Item Description	A/U	Qty	Unit Rate	Total Amount
3B.	TELECOMMUNICATION				
1	Supply of Grand stream IP PBX with 4 FXO, 4 FXS,	No	1		
2	Supply of IP Video Phone with Android 11 w/ 5.0" LCD Touch screen + Hard keys	No	8		
3	Supply of WI-FI IP Phone with 4 Lines, 2 SIP Account	No	67		
4	Supply of Enterprise Layer 2+ Managed PoE Network Switch, 24 x GigE, 4 x SFP (3 Years Replacement Warranty)	No	5		
5	Supply & Installation of floor standing data cabinet 27U imported including vertical cable management, heavy duty casters, 4-way fans with lockable front glass door perforated rear door two side doors, 06 Way power distribution unit rack mounted and four wheels.	No	1		
6	Supply & Installation of Rack Mounted Optical Distribution Frame (ODF) 8 Ports loaded and 2 port splicing Wide Box	No	1		
7	Supply of Cable Manager (Corning)	No	8		
8	Supply of Patch Cable 1 meter in Length (Corning)	No	96		
9	Supply of Telephone Cable Cord 3 Meter in Length (C	No	75		
10	Supply of 24 Port Patch Panel loaded	No	4		
11	Wiring from RJ45 outlet point to relevant Building / floor distributor with CAT-6 UTP cable in already laid concealed conduit / already installed cable tray or cable trunking including all accessories complete in all respect.(305Rm-Coil)	Coil	8		
12	Installation, Termination of 172 Points, Commissioning, Configuration of IP PBX and IP Phone Charges	Job	1		
13	Supply-&-installation-of-fiber-patch-cord-	No	2		
14	Supply and Installation of Rack Mounted UPS of rating 1KVA, single phase,230V,0.9p.f including Rack Mount Kit and internal batteries. The complete unit shall be designed, fabricated and commissioned as per technical specifications.	No	1		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

3C. BOQ FOR LOW CURRENT- ACCESS CONTROL SYSTEM

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
3C.	ACCESS CONTROL SYSTEM BRAND-BOSCH				
	Supply at site, installation, testing & commissioning of following complete Access Control System including mounting bracket, all fixing and mounting accessories, with open architecture communication interface, including all accessories as required, complete in all respect.	UNIT			
1	4-DOOR MODULAR CONTROLLER Supply, installation, testing & Commissioning of 4- Door / 4 Reader Controller, Networkable, 4x Wiegand Host Interface, RS-485, 4x Relay Outputs, 4x Monitored Analog Inputs, Tamper Switch, Compact Flash, Including Cost of Regulated Power Supply, Maintenance Free Dry Battery & MS Enclosure with Din Rail, Complete in All Respect.	No	1		
2	2-DOOR MODULAR CONTROLLER Supply, installation, testing & Commissioning of 2- Door / 2 Reader Controller, Networkable, 2x Wiegand Host Interface, RS-485, 2x Relay Outputs, 2x Monitored Analog Inputs, Tamper Switch, Compact Flash, Including Cost of Regulated Power Supply, Maintenance Free Dry Battery & MS Enclosure with Din Rail, Complete in All Respect.	No	1		
3	ACCESS CONTROL TERMINAL - RFID & PIN Supply, installation, testing & Commissioning of Proximity Card Reader with Numeric Keypad, RS- 485, OSDP, 26 Bit Weigand Interface, MiFare Classic 13.56 MHz ISO 14443 Type-A, 5 r 6 cm Reading Range, IP65, Tamper Switch, Red / Green LED Light with Beep, Complete in All Respect.	No	5		
4	TERMINAL ACCESSORIES Supply, installation, testing & Commissioning of Request to Exit Push Button with Key Icon & Back box, Magnetic Contact for Status Monitoring, Resettable Type Green Emergency Break Glass with Transparent Flap Including B/B, Over Ride Key Switch, Complete in All Respects.	No	5		
5	ELECTROMAGNETIC LOCK - SINGLE DOOR Supply, installation, testing & Commissioning of Electromagnetic Lock, Single Door, 600 Lbs Holding Force, LED Indicator, Force Open Indication, 1 2 / 2 4 VDC, Including 220VAC - 12/24VDC Power Supply & 12"x12"x6" SWG:16 Powder Coated MS Enclosure, Complete in All Respect	No	1		
6	ELECTROMAGNETIC LOCK - DOUBLE DOOR Supply, installation, testing & Commissioning of Electromagnetic Lock, Double Door, 600 Lbs Holding Force, LED Indicator, Force Open Indication, 1 2 / 2 4 VDC, Including 220VAC - 12/24VDC Power Supply & 12"x12"x6" SWG:16 Powder Coated MS Enclosure, Complete in All Respect	No	2		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

3C. BOQ FOR LOW CURRENT- ACCESS CONTROL SYSTEM

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
7	Access Control and Time Management Software along with Security Control system features a password protected user logon system suitable to interface with Fire Alarm. It provide cardholder management, full alarm and event processing, multi division supports, alarms alerting via SMS and calls on mobile and detailed audit rail records.	Job	1		
8	RFID CARDS Supply & Configuration of MiFare ID Cards, 13.56 MHz , ISO 14443 Type-A, 1 Kb Data Storage, 2 Application Area, 1 Customizable, Both Side Printable, Complete in All Respects	No	50		
9	CLIENT WORKSTATION / SERVER Supply Installation Testing & Commissioning of Management Workstation, 300W 90% Efficient Chassis, Intel Core i7-8700 (3.2 GHz, 12 MB cache, 2666 MT/s memory speed, 6- core CPU), 8 GB DDR4 2666 UDIMM NECC RAM; 500 GB 7200 RPM 3.5" SATA HDD, Std. Key Board & Mouse, MS Win10 Pre-Installed, NVIDIA Quadro P620 Graphic Adapter, 2GB GDDR5 Internal RAM, 40W, PCI Express 3.0 x16, 4x 1.4 Display Ports Graphic Adapter, including all accessories as required, complete in all respect.	No	1		
10	CLIENT MONITOR Supply Installation Testing & Commissioning of Full HD High Performance LED Monitor, 16:9, 1920 x 1080p60Hz, 250 cd/m2, 2x HDMI Inputs, 1x VGA Input, 178° x 178°, 1000:1 Contrast, HDMI Cable & Table Top Stand, Complete in All Respects	No	1		
11	CLIENT MEDIA KIT Supply Installation Testing & Commissioning of Access Management Media Kit, 1x Branded USB Power Desktop Enrollment Reader Compatible to Mifare 13.56 ISO 14443 Type-A RFID Cards, 1x USB Powered Desktop Camera & 1x USB Powered Signature PAD, Complete in All Respect	No	1		
12	ID CARD PRINTER & ACCESSORIES Supply Installation Testing & Commissioning of ID Card Printer, CR 80/79 Std., Single or Dual Side Color/Mono Printer with Laminator in Single Attempt, Dye-Sublimation Type, 300 dpi with Edgeto-Edge Prining, Auto Card Feeding, 164 Cards / Hr for One Side Color & One Side Mono, 32 Sec / Card Lamination Speed, ISO 7811 JIS II Encoding, ISO 7816, MiFARE, ISO 14443, Desfire, iCLASS, USB, RJ-45 Ethernet, MS Windows, Linux, MAC OS Supported, Including Cost of Basic Design Template Software, One Side 4 Color UV Print Ribbon, One Side Black, Lamination for 500 Cards Minimum, Complete in All Respects.	No	1		
13	AUTO DOOR CLOSERS Supply, installation, testing & Commissioning of Heavy Duty Auto Door Closer, Adjustable Hydraulic Type Imported, Complete in All Respects	No	5		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

3C. BOQ FOR LOW CURRENT- ACCESS CONTROL SYSTEM

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
14	WIRING / CABLING - COMMUNICATION Supply & Wiring of Access Control Point, From Network Data Switch to Access Controller, With 4 Pair Cat6 F/UTP Low Smoke Zero Halogen IEC 60754-1 ISO IEC 11801 250 MHz 1G Data Cable Including Cost of Cat6 F/UTP I/O Jack with Cat6 Patch Cords & Relevant Accessories, In PVC Conduit 1"0 With Required Fixing Accessories Civil Work, Complet in All Respects(305-coil)	Coil	2		
15	Supply, Installation of wall mounted 15U data cabinet imported, double section, including lockable front glass door , 06 Way power distribution unit rack mounted.	No.	1		
16	Supply and Installation of Rack Mounted UPS of rating 1KVA, single phase,230V,0.9p.f including Rack Mount Kit and internal batteries. The complete unit shall be designed, fabricated and commissioned as per technical specifications.	No.	9		
17	Commissioning & Operational of the entire system By Traind Certified Personal for required security systems & System operational Training to the Client Personal .	Job	1		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

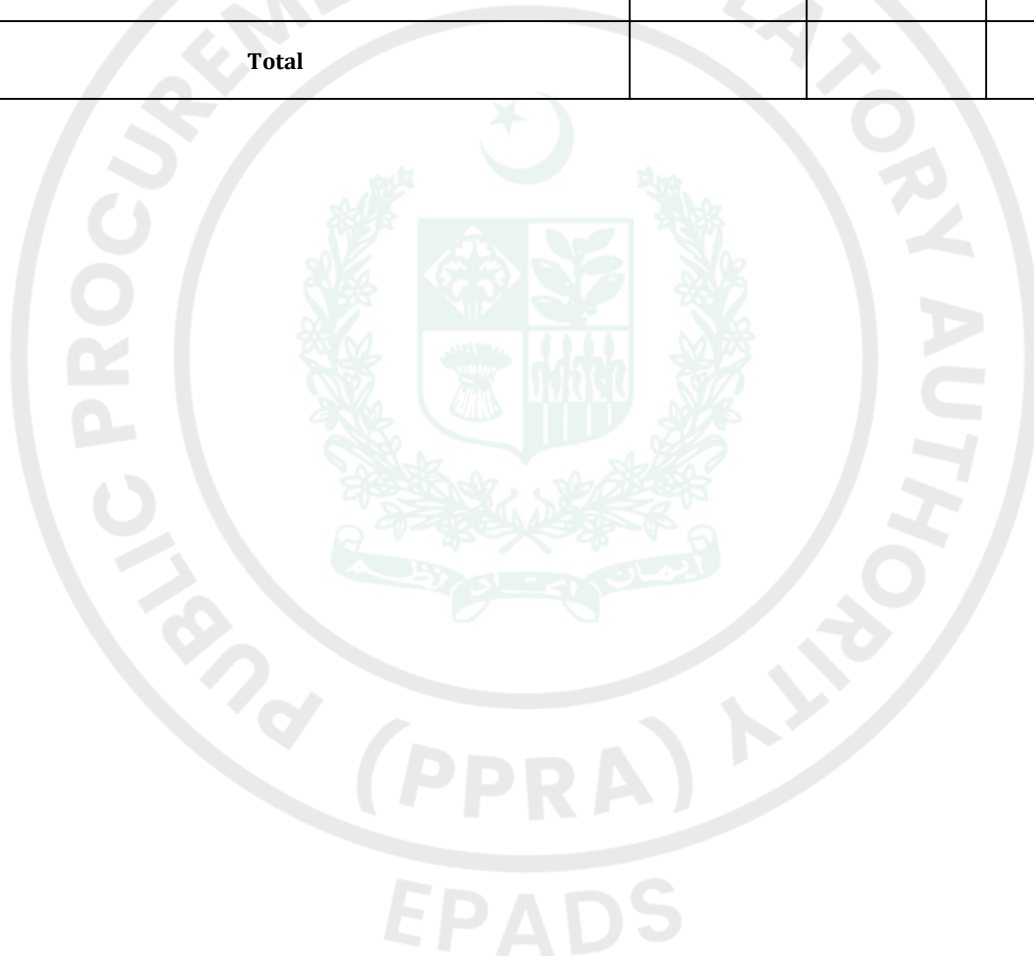
3D. BOQ FOR CLIENT REQUIREMENT FOR IT EQUIPMENT

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
PC, and Servers					
1	Desktop PC (Core i7, 16 GB RAM, 1TB SSD NVMe, 21 Inch Led, Mouse, Keyboard) with Graphic Card (8 GB or advance)	Nos	45		
2	Intel Core Ultra 7 265K (20 Cores, up to 5.5 GHz) or AMD Ryzen 9 9900X or equivalent , 32 GB DDR5, 1 TB NVMe Gen4 SSD, NVIDIA RTX 4060 (8 GB VRAM),1 Gbps Ethernet, 27-inch QHD Display with Windows 11 Pro, Mouse and Keyboard	Nos	60		
3	Intel Core Ultra 9 285K (24 Cores, up to 5.7 GHz) or AMD Ryzen 9 9950X or equivalent , 64 GB DDR5 (Expandable to 128 GB), 2 TB NVMe Gen4/Gen5 SSD, NVIDIA RTX 5070 (12 GB VRAM) or higher, 2.5 Gbps Ethernet, 27-inch IPS QHD or 4K Display, with Windows 11 Pro, Mouse and Keyboard	Nos	21		
4	AMD Ryzen Threadripper PRO 7995WX (96 Cores, 192 Threads), 256 GB DDR5 ECC, 6 TB NVMe Gen4/Gen5 SSD, NVIDIA RTX 6000 Ada Generation (44 GB VRAM), 2.5 Gbps Ethernet, 27-inch IPS QHD Display, with Windows 11 Pro, Mouse and Keyboard	Nos	3		
5	HP Probook 12th Gen Ci7 16GB RAM 1TB SSD HD 15.6" display	Nos	10		
15	Server (Power Edge R760, RAM 1TB, CPU 16 Core, SSD 20 TB)	Nos	2		
6	AI/GPU Server Dell PowerEdge R760xa, 1TB RAM, GPUs (NVIDIA A-series / L - Series or equivalent)	Nos	2		
7	USB Ext cables Diff Length and types	Nos	20		
8	HDMI Splitters	Nos	10		
9	USBs	Nos	40		
Printers and Scanners					
10	LaserJet Printers	Nos	5		
11	Scanner	Nos	3		
Network + Internet BW					
12	48-Port Managed POE Ethernet Switch S5735-L48P4XE-A-V2	Nos	10		
13	SFPs (LC) 1 km, Single Mode, dual 10G Gigabit Industrial grade	Pairs	12		

14	48 Port Patch Panel	Nos	10		
15	Cable Organizer	Nos	10		
16	WIFI Access Points Indoor Tplink EAP 660	Nos	6		
17	WIFI Access Points Outdoor Tplink EAP 772	Nos	2		
18	Fiber Optic Cable 4-core Single mode with Digging and laying (End to End Connectivity)	Mtr	150		
19	12-Port ODF for Patching of Fiber Optic with Splicing	Nos	2		
20	Fiber Patch Cords 3m Single mode(LC-LC)	Nos	20		
21	Ethernet Patch Cords 1m	Nos	480		
22	Ethernet Patch Cords 3m	Nos	250		
23	Ethernet I/O (Faceplate with Box)	Nos	200		
24	20 Port Rack mounted PDUs with loop cables	Nos	2		
25	UTP CAT6 (305 Meter) Roll	Roll	40		
26	RJ-45 Connector	Box	5		
27	End to End PTCL OFC Link	Job	1		
28	100 MB CIR Internet Bandwidth	Months	12		
29	Technology Boxes	Nos	100		
30	Zoom License	Nos	2		
Communication					
31	IP-Phone	Nos	25		
CCTV + Biometric + VCS					
32	8 MP Fixed Bullet Camera	Nos	21		
33	32 Channel NVR with 2x10 TB HDD	Nos	1		

34	Biometric Device Access Control	Nos	5		
35	Biometric Device Attendance	Nos	2		
36	Video Conference solution	Nos	2		
Sound System					
37	Sound System	Nos	2		
38	Sound Mixer	Nos	2		
39	Mic Sets (Diff types)	Nos	1		
Total Estimated Price					0
19% GST					0
Grand Total					0

NEXT GENERATION TECHNOLOGIES (NGT) (NDMA ISLAMABAD)				
ABSTRACT OF COST				
3E	PUBLIC ADDRESS SYSTEM			
1	DSP5011 6.5 inch Frameless Ceiling Speaker	33		
2	DMA120U 120W Digital Mixer Amplifier	3		
3	DM30 Dynamic Desktop Microphone	3		
4	Supply and Wiring of 2C, 40/0.0076.mm flexible Speaker Cable for Public Address System in 1" Dia PVC Conduite or Cable Try from Speaker to Speaker as per wiring layout shown in drawings	33		
5	Installation, Testing & Commisioning of Public Address System with all Respect.	1		
	Total			



NEXT GENERATION TECHNOLOGIES (NGT) (NDMA ISLAMABAD)				
ABSTRACT OF COST				
3F	SOLAR SYSTEM (55 kW ON-GRID STSTEM)			
1	Solar Panels 610 Watt (A Grade JA/Jinko/Astronergy/Canadian/Longi)	150		
2	Hybrid Inverter 60KW with 100AH Lithium Battery (5 Years Warranty)	2		
3	Distribution Box (AC & DC Breakers TOMZN)	1		
4	Parking Shed I-Beam Elevated Iron 10 Gauge with Nut Bolts			
5	DC Wire (4mm Melinium Tin Coated Double Insulation)	1		
6	AC Wire (Pakistan/Fast/Newage Cable)	1		
7	Earthing (Grounding Bore, Lightning Arrestor, Grounding)	3		
8	Transportation (Warehouse to Site)	1		
9	Installation (Labor, Civil Works, etc.)	1		
	TOTAL RS. SEC - M (CARRIED FORWARD TO SUMMARY)			

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

4A. BOQ FOR LOW CURRENT- ADDRESSIBLE FIRE ALARM SYSTEM

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
4A.	INTELLIGENT ADDRESSABLE FIRE ALARM SYSTEM (BRAND-ZETA/BOSCH)				
	Supply at site, installation, testing & commissioning of following complete Intelligent Addressable Fire Alarm System including mounting bracket, all fixing and mounting accessories, with open architecture communication interface, including all accessories as required, complete in all respect.				
1	Two Loop Intelligent Addressable Fire Alarm Control Panel (FACP) with capacity to connect Repeater Panels / Annunciator / Mimic panels, Wall Mounted, Microprocessor Based, Led Display, Multifunction Status Leds, 127 Devices / Elements Per Loop, Graphical User Interface Support, Remotely Programmable, Free Of Cost Programming Software, Modular Components, > 5000 Log Capacity, Input/output Interfacing, Multi Configuration Level, 24 Hours Back Up Time & 30 Minutes Alarm Time, with open architecture communication interface, including all accessories as required, complete in all respect.	Job	1		
2	Addressable fire alarm Repeater panel MTD,1.8m AFF with alarm manager software.	No	1		
3	Intelligent addressable optical smoke sensor with base and dual ray technology, built in smoke patterns, built in short circuit isolator including all installation accessories.	No	42		
4	Addressable heat detector with base, Fixed Temperature with built in short circuit isolator including all installation accessories.	No	5		
5	Multi Detector with integrated smoke detector, heat detector and gas sensor (CO). An alarm is generated at carbon monoxide (CO) gas levels that are threatening for human life. It should have built-in Short Circuit Isolator.	No	1		
6	Addressable Beam detector with base, Fixed Temperature with built in short circuit isolator including all installation accessories.	No	2		
7	Addressable Manual Call Point, Indoor, Red, Addressable, Resettable type, surface mount, single action, direct trigger, reset key included and IP-54 rated. CE, MOE, CPD, VDS Certified.	No	5		
8	Addressable MIDI red sounder/LED flasher sound output >92db @ 1.0 m IP-43 mounting height at 2.0M. Above F.F.L., mounting base included.	Job	5		
9	Wiring of Fire Alarm Points with 2 core 1.5 mm ² LSZH , CWZ cable complying BS5839 and EN50200 laid in already installed conduit or tray or trunking etc., including all accessories, complete in all respect.(500-Coil)	Coil	2		
10	Programming, testing and commissioning of complete system including on site demonstration and training of client's representative upto the entire satisfaction of consultant/client	Job	1		
	Sub-Total Rs. =				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

4B. BOQ FOR FIRE SUPPRESSION SYSTEM

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
4B-I.	FIRE SUPPRESSION SYSTEM				
1	DCP Fire Extinguishers-8Kg	No	6		-
	Sub-Total Rs. =				0
FM - 200					
4B-II.	IT, AR/VR ROOM/ELECTRICAL ROOM				
1	* Factory Filled Per KG (HFC-227ea - UL/FM) - 260KG Model PEMALL 227 * (1 No.) PEMALL 227™-(360 PSI)-LP SERIES ENGINEERED 75 LB. - S.S. RED COLOR CYL. ASSEMBLY (FILLING RANGE 14.1(31) TO 32.2(71) KG(LB))- W/ 1" S.S .VALVE ASSEMBLY C/W TOP CAP ADAPTER, PRESSURE GAUGE W/GUARD & CYL. MOUNTING BRACKET - MODEL # H3-SS-0075-1.0 - UL/FM * Latching Solenoid with Supervision and Local Manual Control Head * Low Pressure Supervisory Switch (N/C) 360 PSI * 1/2" - 1" NOZZLE (BLANK) (1 No.) * Caution Label - "DO NOT ENTER..." for HFC-227EA * Caution Label - "OPERATION OF MANUAL..." for HFC-227EA * Caution Label -ROOM PROTECTED WITH HFC-227EA Make: PEMALL - USA	Set	1		
2	Combined Fire & Extinguishing Control Panel with Battery Backup (Make: ZETA-UK)	No.	1		
3	Conventional Smoke Detector with Base (Make: ZETA-UK)	No.	2		
4	Abort Switch	No.	1		
5	Conventional Fire Alarm Sounder with Flasher (Make: ZETA-UK)	No.	1		
6	Conventional Fire Alarm Sounder (Make: ZETA-UK)	No.	1		
7	Installation, Testing & Commissioning Wiring, Piping, Cabling & Conduiting are not included	Job	1		
8	Piping and cabling	Job	1		
	Sub-Total Rs. =				
Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
4B-III.	SERVICE AREA				
1	* Factory Filled Per KG (HFC-227ea - UL/FM) - 380KG Model PEMALL 227 * (1 No.) PEMALL 227™-(500 PSI)-HP SERIES ENGINEERED 105 LB. - S.S. RED COLOR CYL. ASSEMBLY (FILLING RANGE 20(44) TO 42.6(94) KG(LB))- W/ 1" S.S .VALVE ASSEMBLY C/W TOP CAP ADAPTER, PRESSURE GAUGE W/GUARD, PRESSURE SWITCH GUARD & CYL. MOUNTING BRACKET - MODEL # H5-SS-0105-1.0 -UL/FM * Latching Solenoid with Supervision and Local Manual Control Head * Low Pressure Supervisory Switch (N/C) 500 PSI with Guard * 1/2" - 1" NOZZLE (BLANK) (1 No.) * Caution Label - "DO NOT ENTER..." for HFC-227EA * Caution Label - "OPERATION OF MANUAL..." for HFC-227EA * Caution Label -ROOM PROTECTED WITH HFC-227EA Make: PEMALL - USA	Set	1		
2	Combined Fire & Extinguishing Control Panel with Battery Backup (Make: ZETA-UK)	No.	1		
3	Conventional Smoke Detector with Base (Make: ZETA-UK)	No.	4		
4	Abort Switch	No.	1		
5	Conventional Fire Alarm Sounder with Flasher (Make: ZETA-UK)	No.	1		
6	Conventional Fire Alarm Sounder (Make: ZETA-UK)	No.	1		
7	Installation, Testing & Commissioning Wiring, Piping, Cabling & Conduiting are not included	Job	1		
8	Piping and cabling	Job	1		
	Sub-Total Rs. =				

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

4B. BOQ FOR FIRE SUPPRESSION SYSTEM

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
4B-IV.	HALL				
1	* Factory Filled Per KG (HFC-227ea - UL/FM) - 275 KG Model PEMALL 227 * (7 Nos.) PEMALL 227™-(500 PSI)-HP SERIES ENGINEERED 1250 LB. - S.S. RED COLOR CYL. ASSEMBLY (FILLING RANGE 235.5(519) TO515.7(1137) KG(LB))- W/ 4" S.S .VALVE ASSEMBLY C/W TOP CAP ADAPTER, PRESSURE GAUGE W/GUARD, PRESSURE SWITCHGUARD & CYL. MOUNTING BRACKET - MODEL # H5-SS-1250-4.0 -UL/FM * Latching Solenoid with Supervision and Local Manual Control Head * 1/2" - 1" NOZZLE (BLANK) (14 Nos.) * 1-1/4" to 2" NOZZLE (BLANK) (14 Nos.) * Caution Label - "DO NOT ENTER..." for FK-5-1-12 * Caution Label - "OPERATION OF MANUAL..." for FK-5-1-12 * Caution Label -ROOM PROTECTED WITH FK-5-1-12 Make: PEMALL - USA	Set	1		
2	Combined Fire & Extinguishing Control Panel with Battery Backup (Make: ZETA-UK)	No.	1		
3	Conventional Smoke Detector with Base (Make: ZETA-UK)	No.	16		
4	Abort Switch	No.	1		
5	Conventional Fire Alarm Sounder with Flasher (Make: ZETA-UK)	No.	2		
6	Conventional Fire Alarm Sounder (Make: ZETA-UK)	No.	2		
7	Installation, Testing & Commissioning Wiring, Piping, Cabling & Conduiting are not included	Job	1		
8	Piping and cabling	Job	1		
	Sub-Total Rs. =				
	Total Rs.				0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

5. BOQ FOR - VIDEO WALLS

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
5A.	Video Walls				
1	Supply, installation, testing, and commissioning of High-Definition Indoor LED Display Units (Leyard LCH2.5 or approved equivalent), featuring a precision die-cast aluminum module structure. The display must meet or exceed the following technical parameter requirements: Pixel Pitch: 1.8 mmModule Dimensions: 320 mm × 160 mm Module Resolution: 128 × 64 pixels Pixel Density: 160,000 dots/m² minimum Display Brightness: 450 nits with eye-comfort optimization Contrast Ratio: 10,000:1 Brightness Uniformity: ≥ 97% Refresh Rate: ≥ 3,840 HzViewing Angles: Horizontal: 160° / Vertical: 140° Color Temperature: 3,000K to 15,000K adjustable range Driving Method: Constant Current Drive, 1/43 Scan Power Efficiency: Maximum 440 W/m² / Average 146 W/m² Operating Voltage: DC 4.5V low voltage input Operational Lifespan: ≥ 100,000 working hours	Sft	5560		
2	Provision and installation of Novastar Controller H2 4 x 4 I/O	No.	1		
3	Provision and installation of Novastar Controller H15 16 x 16 I/O	No.	2		
4	Supply, fabrication and fixing of steel structure for support of COBs with 16SWG steel tubes as per requirement.	No.	1		
5	SMD for board room	Sft	120		
6	HDMI Cables (As per required lenghts)	Rft	180		
7	85" LED SONY HD	No.	7		
8	65" LED SONY HD	No.	15		
9	55" LED SONY HD	No.	13		
10	Standeeds LED 55"	No.	3		
	Sub-Total Rs. =				-
19% GST					0
Grand Total					0

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

6A. BOQ FOR - PUBLIC HEALTH

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
6A.	Water Supply, Sewerage, Sanitary and Washroom Fixtures				
1	Supply and install Lavatories Under Counter Type, 1.9LPM maximum Flow rate with manual Faucets including Flexible Pipes, Valves, Traps, Bottle Trap, Marble Vanity Top & all other required fittings & Accessories to complete the work, as per the Drawings, Specifications and Standards.	No.	32		
2	Supply and Install "Floor Mounted" type Two Piece Water Closet (European Type W.C. Pan) with Normal Seat Cover, with Muslim Shower, Bib Cock, Control Cock & Elbow set complete with all fittings including cutting and making good the walls and floors wherever required. as per the Drawings, Specifications and Standards.	No.	32		
3	Providing and fixing Floor Drain SS with P-Trap, jointing with solvent cement followed by application of leak proof adhesive like FRP paste complete including cutting and making good the walls and floors.	No.	32		
4	Supply, Install, testing and commissioning of PVC Floor Cleanout with Stainless Steel Top with a Maximum Working Pressure of 5 psi to complete the work, as per the Drawings, Specifications and Standards.	No.	64		
5	Supply, Install, testing and commissioning of PVC Cleanout (with a spigot and cleanout connection) with a Maximum Working Pressure of 5 psi to complete the work, as per the Drawings, Specifications and Standards.	No.	32		
6	Supply and install Dish Washing Sinks 1 Compartment with single drainage board including Wall Mounted Swirl Faucet with Mixer, Flexible pipes, Valves & all other required fittings, Traps & Accessories to complete the work, as per the Drawings, Specifications and Standards.	No.	0		
7	Supply and install chrome plated brass Ablution faucet With Mixer assembly fixed on wall complete including cutting and making good the walls and floors.	No.	0		
8	Supply and install Wall Shower Head, Single Lever Exposed Shower Mixer with Bib Cock, Soap Dish complete with water supply pipes as per the Drawings, Specifications and Standards.	No.	32		
9	Providing, Installing, fixing, testing and commissioning of Hand Dryer Automatic ABS body (Electrically operated) with all accessories including cutting & making good the walls as per the Drawings, Specifications and Standards.	No.	32		
10	Providing, Installing, fixing, testing and commissioning of ABS body refillable Wall Mounted Manual Liquid Soap Dispenser for all wash basins as per the Drawings, Specifications and Standards.	No.	32		
11	Providing, Installing, fixing, testing and commissioning of 6mm thick beveled edge mirror with teak wood beading (Mirror of approved quality & as per specifications) with 6mm thick asbestos plain sheet ground fixed with C.P. brass screws & washers as per the Drawings, Specifications and Standards.	No.	32		
12	Supply and fix, Toilet paper holder, any shape pattern and size, Imported, with plugs, screws etc complete, fixed to concrete, brick, stone or wood work etc. complete in all respects.	No.	32		
13	Provide and Fix of S.S towel rails 750mmx20mm (30"x3/4") fixed to wall screw with S.S brackets and conforming to the requirements of drawings, and to the entire satisfaction of the Project consultant.	No.	32		
14	Supply and install Non-Potable Water Supply Above/Below Grade PPR DIN 8077, Type SDR 6, PN 20 pipes with Fittings and Joints or Mechanical Coupling Complete with supports, hangers, Valves and all type of accesseries like Water hammer arrestor , other specials like civil works related thereto required for complete the work, as per the Drawings, specifications and Standards.				
14. a	Ø25 mm	ft	160		
14. b	Ø32 mm	ft	257		
14. c	Ø40 mm	ft	550		
15	Supply and Installation of Ball Valves, Lever Operated, Full Port Floating Ball, Stainless Steel body, flanged ends & complete with all fittings.				
15. a	Ø25mm	No.	4		
15. b	Ø32 mm	No.	8		
15. c	Ø40 mm	No.	9		
16	Supply & Installation of Fully modulating, Electric/Gas (Natural) Fired, Tankless (Fully Instantaneous) Water Heater with Sealed Combustion and Power Vented Flue and fittings as per the drawings and specifications. EG-02 DUTY (MAXIMUM FLOW DEMAND: 2.20 GPM; ΔT = 50K)	Nos	4		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

6A. BOQ FOR - PUBLIC HEALTH

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
17	Supply and install Below Grade Sanitary Drainage & Stormwater pipe work of UPVC Pipe BS 3505 Class B including fittings & supports, as per the Drawings, Specifications and Standards.				
17. a	Ø75 mm	ft	450		
17. b	Ø110 mm	ft	2841		
17. c	Ø150 mm	ft	3641		
18	Construction of R.C.C rectangular manhole of 2'x2' for sewer complete, plastering from internal and external side, PCC 1:4:8 base, RCC slab, benching with 1:2:4 cement concrete, including 18" dia manhole cover and frame, rungs, complete as per drawings.				
18. a	600 mm x 600 mm	No.	6		
19	Supply & Installation of Water Booster Pump - Vertical Single Stage Centrifugal Inline with Variable Frequency Drive WBP-02A/02B (1 DUTY + 1 STAND-BY) 24 GPM @ 18.6 psi head including , required valves, strainers, flexible connections, vibration isolators, supports and accessories. (Main Production Hall)	Set	1		
20	Supply and install Horizontal Multistage End Suction Centrifugal Raw Water Transfer Pumps complete with non-return valve, elbow duct foot, pump and motor cut-out switches for control panel enclosure, valves and all accessories ready for operation. WTP 01A/01B (1 DUTY + 1 STAND-BY) Capacity : 136 GPM,Head 59.3 psi, as per the Drawings, Specifications and Standards.	Set	1		
21	Providing, Installing, fixing, testing and commissioning of Hand Dryer Automatic ABS body (Electrically operated) with all accessories including cutting & making good the walls as per the Drawings, Specifications and Standards.	Nos	12		
	Sub-Total Rs. =				-

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

7. BOQ FOR - HVAC

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
7	Heating, Ventilating and Air Conditioning System	Ton	130		
7A.	Supply of All DC Inverter Controlled Variable Refrigerant Flow (VRF) brand HISENSE Heat Pump Type Multi Split A/c System complete with built-in auto control system & Central Controller with display (Table) including, unloading, Lifting, placing and Fixing at foundation at locations shown on drawing				
1	Outdoor Condensing Units				
1. a	AVWT-482HKFSE	No.	1		
1. b	AVWT-290HKFSE	No.	1		
1. c	AVWT-272HKFSE	No.	1		
1. d	AVWT-232HKFSE	No.	1		
1. e	AVWT-136HKFSE	No.	1		
2	Indoor Units				
2. a	Mini 4-Way Cassette				
2. a-i	AVC-15HJFA	No.	0		
2. a-ii	AVC-19HJFA	No.	2		
2. b	4-Way Cassette				
2. b-i	AVBC-30HJFKA	No.	5		
2. b-iii	AVBC-38HJFKA	No.	6		
2. b-iii	AVBC-48HJFKA	No.	12		
2. c	Ceiling Ducted Type DC (HSP)				
2. c-i		No.	0		
2. c-ii		No.	5		
2. d	100% Fresh Air Ducted Type				
2. d-i	AVA-48UXCSQH-108	No.	1		
2. d-ii	AVA-76UXCSRH-168	No.	1		
3	Branch Pipe				
3. a	HFQ-102F	No.	7		
3. b	HFQ-162F	No.	6		
3. c	HFQ-242F	No.	3		
3. d	HFQ-302F	No.	4		
3. e	HFQ-462F	No.	1		
4	Receiver Kit				
4. a	HYRE-T03H	No.	11		
4. b	HYRE-Z01H	No.	5		
5	Wireless Controller HYE-VD01	No.	16		
6	External Pump HPS-151	No.	8		
7	Wired Controller HYPE-VC01	No.	10		
8	Central Controller HYJM-RA10D	No.	1		
9	Floor Standing Air Conditioning units, 2 Ton	No.	6		
10	Supply, Fabrication and Installation of G.I. ducting & Sheet Metal work complete with hangers, bracings, splitter dampers etc				
10. a	US Gauge 22	Sft	40		
10. b	US Gauge 24	Sft	1548		
10. c	US Gauge 26	Sft	380		
11	Supply & Installation of 2" thick washable aluminum filters fabricated with min. 12 mesh layers as specified.	Sft	15		
12	Supply & Installation of 18 gauge G.I. Sheet dampers as specified				
12. a	Volume Control Damper	Sft	48		
12. b	Non- Return Damper	Sft	18		
13	Supply & Installation of Aluminum air devices as specified and scheduled				
13. a	Fresh / Exhaust Air Louvers	Sft	45		
13. b	4D Diffuser	Sft	58		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

7. BOQ FOR - HVAC

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
	Round Diffuser				
13. c	8" Dia	No	4		
13. d	12" Dia	No	4		
14	Supply & Installation of Mild Steel Sheet welded Type for kitchen 14 guage exhaust ductwork complete with hangers, dampers, clean-out access panels etc.	Sft	320		
15	Supply & Installation of 3" thick rock wool insulation for Kitchen Grease Exhaust Ducts & HWG Flue duct	Sft	320		
16	Supply & Installation of pre-assembled flexible duct connectors factory fabricated with coated woven fabric and G.I. Collars both by means of double lock seam on each side as specified and scheduled.	Rft	150		
17	Supply & Installation of Built-in Microban Elastomeric/Epdm Closed Cell FM Approved with Green Guard certificate, anti fungus, anti microbial Foam Type insulation of density 65 Kg/m3 and thermal conductivity 0.035 W/M at 24 deg C of fire performance conforming to UK building regulation of Class-0 rating protected with fire retardant type high density closely woven fiberglass cloth as specified manufactured by Armacell, Durkflex or Aeroflex complete with adhesives and sealers				
	1/2" (13mm) thick for indoor installed ducts	Sft	4575		
18	Supply & Installation of 16 guage MS Perforated type Cable tray of below mentioned size with solid cover of 14 guage or as mentioned in drawings (Only use for out side of Building Area for copper piping)				
	300mm x 100mm with cover	Rft	180		
19	Supply & installation of Ventilation fans as specified and scheduled including unloading, lifting, placing and fixing at locations as shown on the drawings.				
19. a	EF-1	No.	4		
19. b	EF-2	No.	1		
20	Supply and Installation of Gas & Liquid Copper Piping for indoor & outdoor units Complete with insulation (9mm for indoor & 19mm for outdoor) Built-in Microban Elastomeric/Epdm Closed Cell FM Approved with Green Guard certificate, anti fungus, anti microbial Foam Type insulation of density 65 Kg/m3 and thermal conductivity 0.035 W/M at 24 deg C of fire performance conforming to UK building regulation of Class-0 rating protected with fire retardant type high density closely woven fiberglass cloth as specified manufactured by Armacell or Durkflex complete with adhesives and sealers, gas charging, accessories, clamping and other related material for installation purpose, complete in all respect.	Job	1		
21	Supply, Fabrication & installation of Refrigerant Distributer (Y-Type) Pipe Joints at locations as shown on drawings	Lot	1		
22	Supply, fabrication and installation of PVC. piping & fittings, including hangers, anchor bolts, rubber vibration mounts etc.	Lot	1		
23	Supply & installation of 1/4" thick polyethylene insulation (Jumbolon) covered with PVC taping for condensate drain piping	Lot	1		
24	Recessed in false ceiling 8 inch dia exhaust fan with pure copper windings, (Voldam/Air Guard Model AFWS6) including 6 inch dia PVC Pipe as exhaust duct , and exhaust air grill as shown in the drawings				
24. a	PF-1	No.	1		
24. b	PF-2	No.	1		
25	Supply & Installation of Decorative wall mounted cabinet type Air Curtain with centrifugal fan with display (Table) including, unloading, Lifting, placing and Fixing at foundation at locations shown on drawing	No	1		

CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

7. BOQ FOR - HVAC

Item No	Item Description	A/U	Qty	Unit Rate	Total Amount
26	Conduiting and communication wiring of all HVAC equipment(indoor & outdoor) complete with cables/wires, cables glands, cable ties, G.I./PVC conduits etc. control wiring from units to central controller and all other items to complete the Job.	Lot	1		
27	Painting of metal hangers and metal structures where installed as specified	Job	1		
28	Shop drawings and As-built drawings	Job	1		
29	Inspection, testing, Gas Charging, Commissioning and Air Balancing of of Complete system	Job	1		
	Sub-Total Rs. =				-



CONSTRUCTION OF NEXT GENERATION TECHNOLOGIES -NDMA ISLAMABAD

8. CCTV SYSTEM

Sr. #	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
1.00	<u>CCTV Wiring & Conduiting</u> Wiring of camera with CAT-6 UTP cable in 1" dia PVC heavy duty pipe/flexible pipe/on cable tray or as per site requirements from RJ45 outlet (for camera) to patch panel including cost of RJ 45 outlet with 16 SWG sheet steel back box recessed in wall / wall surface, complete in all respects.	18	Points		
	Supply at site, installation, testing and commissioning of CAT 6 UTP cable within cable tray/1" dia PVC heavy duty conduit from core switch to remote switches as uplink connectivity including the cost of all necessary accessories complete in all respects.	66	Rolls		
1.01	<u>Indoor Camera</u> a) Supply at site, installation, testing & commissioning of Full HD Indoor Box Type IP Based POE CCTV, Day and Night Type with minimum 2 MP resolution pieces IR LED , Vandal proof Body, with at least 20-30 meters IR visibility, Indoor type , including mounting bracket, all fixing and mounting accessories, complete in all respects, including cost of all required accessories / materials.	39	Nos.		
1.02	<u>Outdoor Camera</u> Supply at site, installation, testing & commissioning of Full HD Outdoor IP-65 Rated IP Based POE CCTV, Day and Night Type with minimum 8 MP resolution pieces IR LED , Vandal proof Body, with at least 20-30 meters IR visibility, including mounting bracket, all fixing and mounting accessories, complete in all respects, including cost of all required accessories / materials.	6	Nos.		
1.03	<u>PTZ Camera</u> Supply at site, installation, testing & commissioning of Full HD PTZ IP-65 Rated IP Based POE CCTV, Day and Night Type with minimum 8 MP resolution pieces IR LED , Vandal proof Body, with at least 50 meters IR visibility, including mounting bracket, all fixing and mounting accessories, complete in all respects, including cost of all required accessories / materials.	7	Nos.		
1.04	<u>Network Video Recorder & Gigabit Switches</u>				

a)	Supply at site, installation, testing & commissioning of NVR suitable for 152 number of cameras with Built In software including cost of 30 days storage Hard drive & KVM Switch (if needed), Minimum 4 Nos. colored LEDs 40" all necessary hardware and software accessories and materials, required for NVR, complete in all respects.	3	Nos		
b)	Supply at site, installation, tagging, connections, testing and commissioning of following Ports Data Networking POE switch , consisting of following Data points to be terminated on modular patch panel, including cost of power bus bar, IDC connectors, all necessary accessories complete in all respects.				
i.	16 Port Data Networking POE switch	9	Nos.		
ii.	8 Port Data Networking POE switch	1	Nos.		
iii	8 Port Data Networking Core switch	1	Nos.		
iv	24 Port Data Networking POE switch	3	Nos.		
c)	Supply at site, installation, tagging and connections of following port Data Patch panels , installed in Data Rack or as per site. Including cost of all accessories and materials required. Complete in all respect.				
i.	24 Port Data Patch panels - CAT-6	3	Nos.		
ii.	8 Port Data Patch panels - CAT-6	2	Nos.		
d)	Supply, installation of Patch cords of following sizes:				
i.	1 Meter long	56	Nos.		
1.05	<u>Data Cabinet</u> Supply at site and installation of following sizes Data racks for the fixing of network switches, Patch Panels with cable organizer, splice trays, perforated doors with locks, mounting rails, leveling feet, 2 removable side door, PDU, exhaust fans etc. including all installation accessories as per specification complete in all respect to the approval of engineer.				
i	42 U data Cabinet	3	Nos.		
ii.	12 U data Cabinet	7	Nos.		
	<u>Note:</u>				

	It should be clearly understood by the contractor / bidder / supplier that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charge shall be paid or claimed by the contractor / bidder / supplier.				
	SUB TOTAL SECTION (11)				-



NEXT GENERATION TECHNOLOGIES (NGT) (NDMA ISLAMABAD)

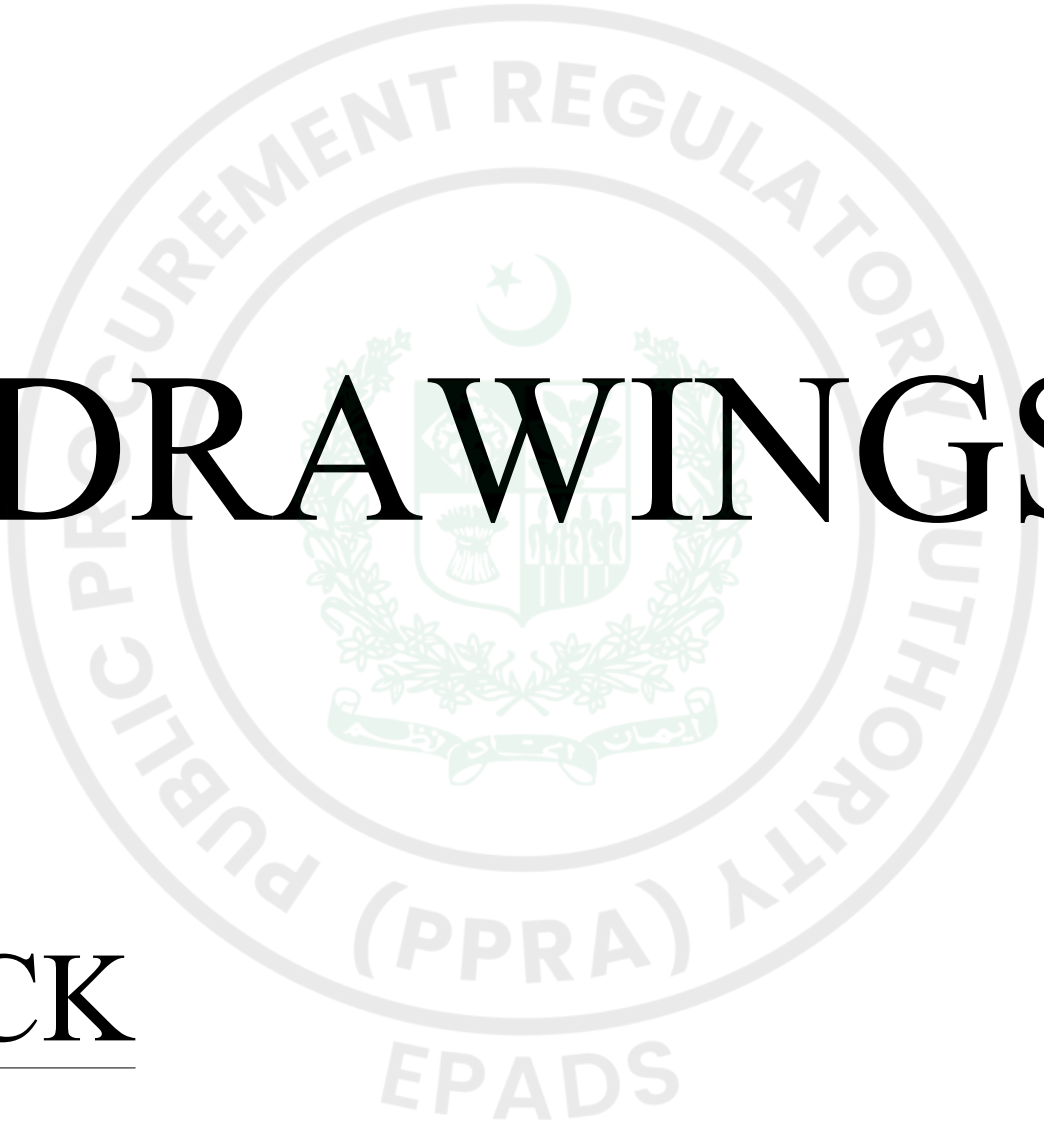
9. ABSTRACT OF COST

Sr.No	Description	Unit	Qty	BILL OF QUANTITIES	
				Rate	Amount (Rs.)
9.A	Furniture				
1	Single work station table	No	0.00		
1.1	Double Work station table	No	0.00		
1.2	Executive office chair	No	0.00		
1.3	class Room Desk	No	0.00		
1.4	Executive office desk	No	0.00		
1.5	Computer lab desk 2' Wide	RFT	0.00		
1.6	Computer Labs desk 4' Wide	RFT	0.00		
1.7	Office Table	No	14		
1.8	Table 20x2	No	4		
1.9	Table 14x2	No	4		
2	Table 35x2	No	2		
2.1	Table 25x2	No	2		
2.2	Octagonal Table 45x2.5	No	1		
2.3	Table 4x2	No	7		
2.4	Table 6x2	No	4		
2.5	Tale 5.9x2	No	18		
2.6	Computer Chairs	No	72		
2.7	Office Chair Executive	No	28		
2.8	Visitor Chair	No	70		
2.9	Sofa 3 Seater	No	5		
3	Centre Table	No	5		
3.1	Mobile Units	No	72		
3.2	Podium	No	3		
3.3	4 Seater Sofa	No	20		
3.4	Wooden Visitor Chairs	No	10		
3.5	Centre Table Set	No	2		
3.6	File Rack (10x6 Feet)	No	1		
TOTAL AMOUNT TO DATE (CARRIED TO SUMMARY)					

NATIONAL DISASTER MANAGEMENT AUTHORITY

CONSTRUCTION DRAWINGS

CLIENT: NDMA
PROJECT: NGT BLOCK
LOCATION: ISLAMABAD
QUOTE NO:



- GENERAL NOTES:
- 1. ALL DIMENSIONS ARE IN 'MM'.
 - 2. THIS DRAWING IS NOT FOR CONSTRUCTION.

LIST OF DRAWINGS	
DWG. NO	DRAWING NAME
00	INDEX PAGE
01	GROUND FLOOR PLAN
02	FIRST FLOOR PLAN
03	FIRST FLOOR MEZZANINE PLAN
04	FOOTING PLAN
05	FOOTING DETAILS
06	FRAME SECTION @ GRID LINE 10
07	FRAME SECTION @ GRID LINE 7
08	ROOF LOCK SEAM PLAN

BUILDING ACCESSORIES			
SR. NO	ACCESSORIES	SIZES	QUANTITY
01	-	-	-

DETAIL OF COVERED AREA		
UNITS	SQM	SFT
BUILDING		
MEZZANINE	--	---
TOTAL AREA		

04	29-06-2026			
03	24-06-2026			
02	23-06-2026			
01	13-06-2026			
00	12-06-2026			
REV	DATE	DRAWN BY	CHECKED BY	APPROVED BY
TOTAL DWG. NO'S.			08	

DESIGN SOFTWARES:

SAP2000



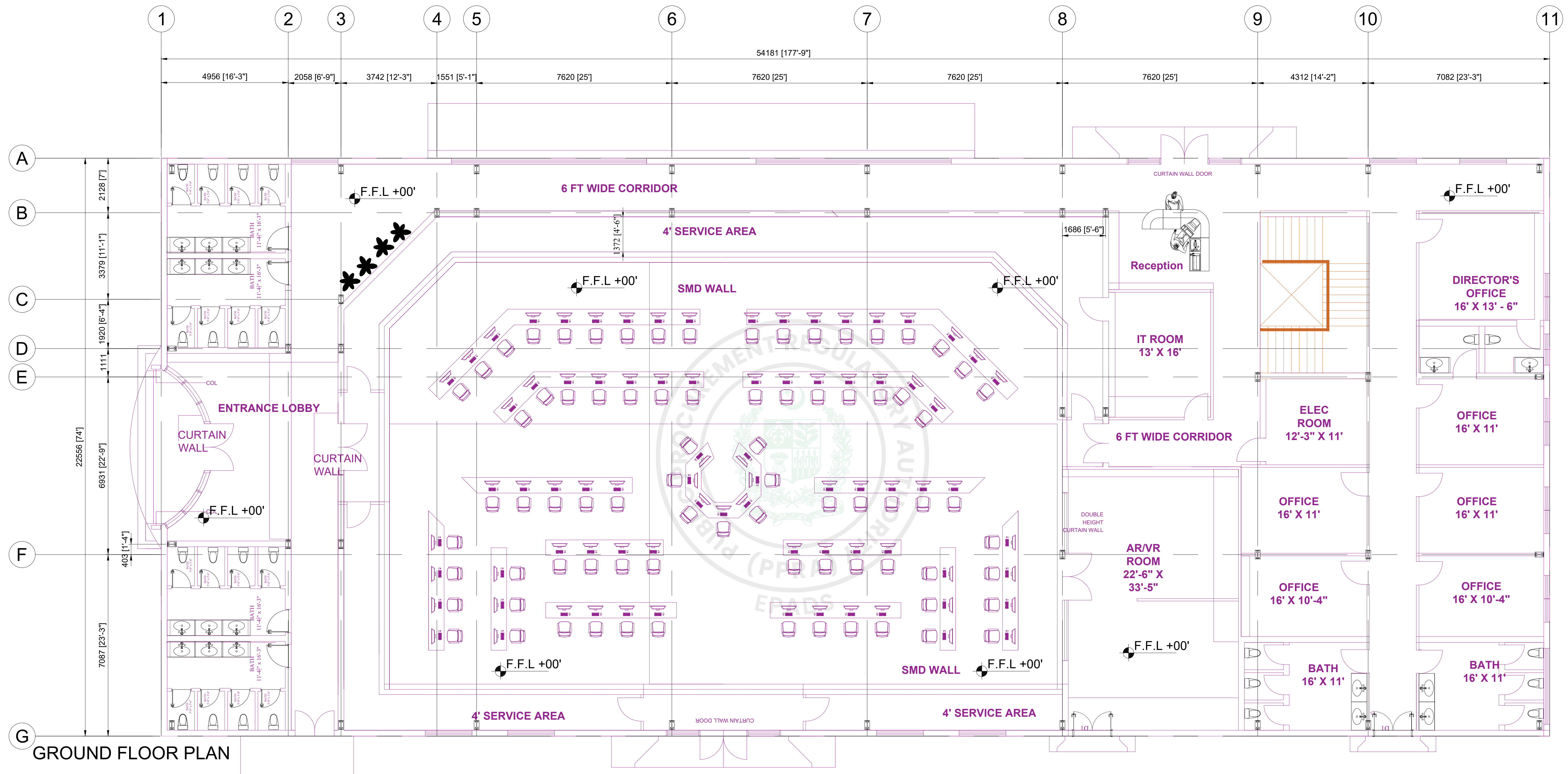
Tekla

StatiCa



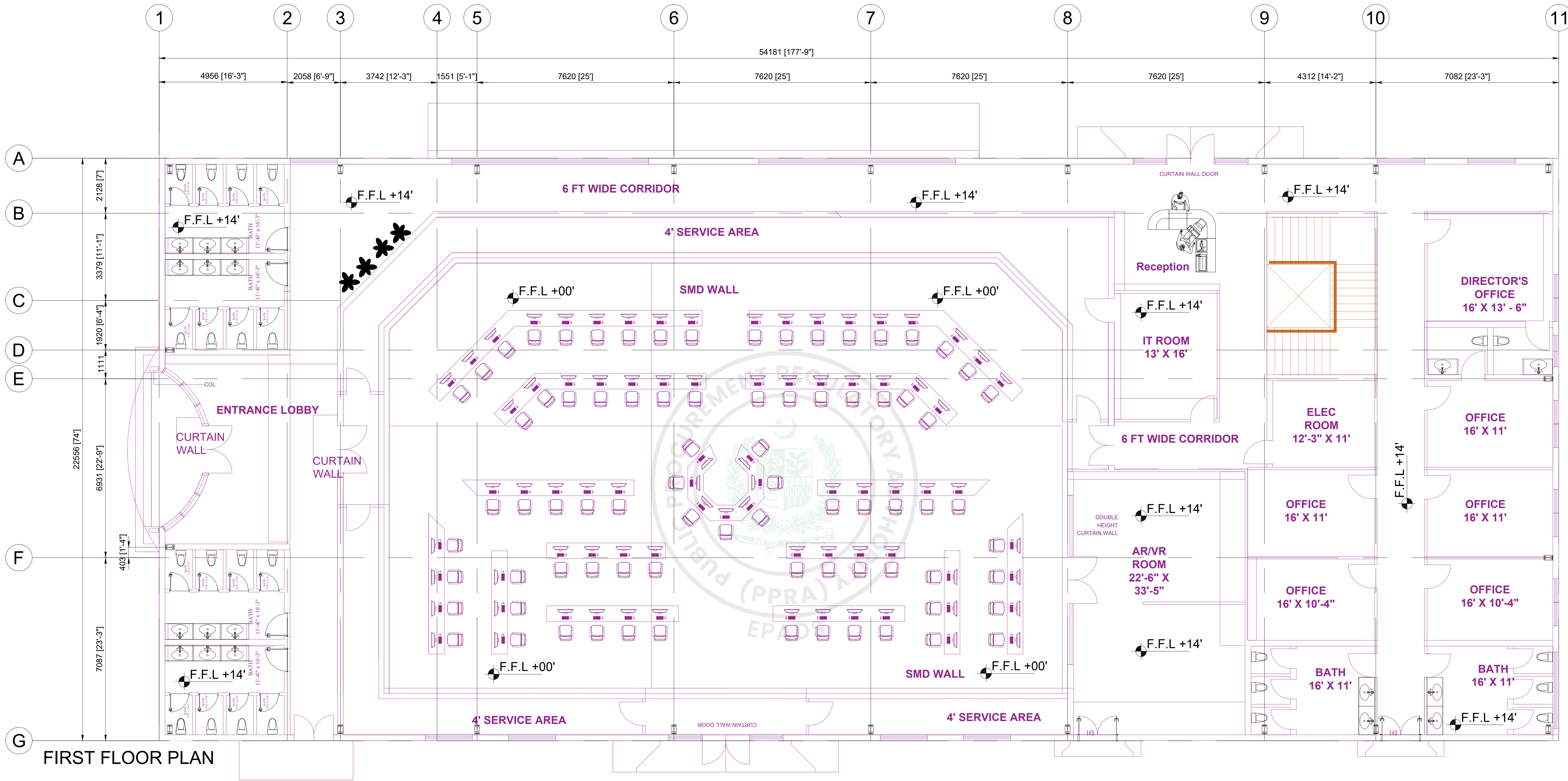
A AutoCAD

NDMA



GROUND FLOOR PLAN

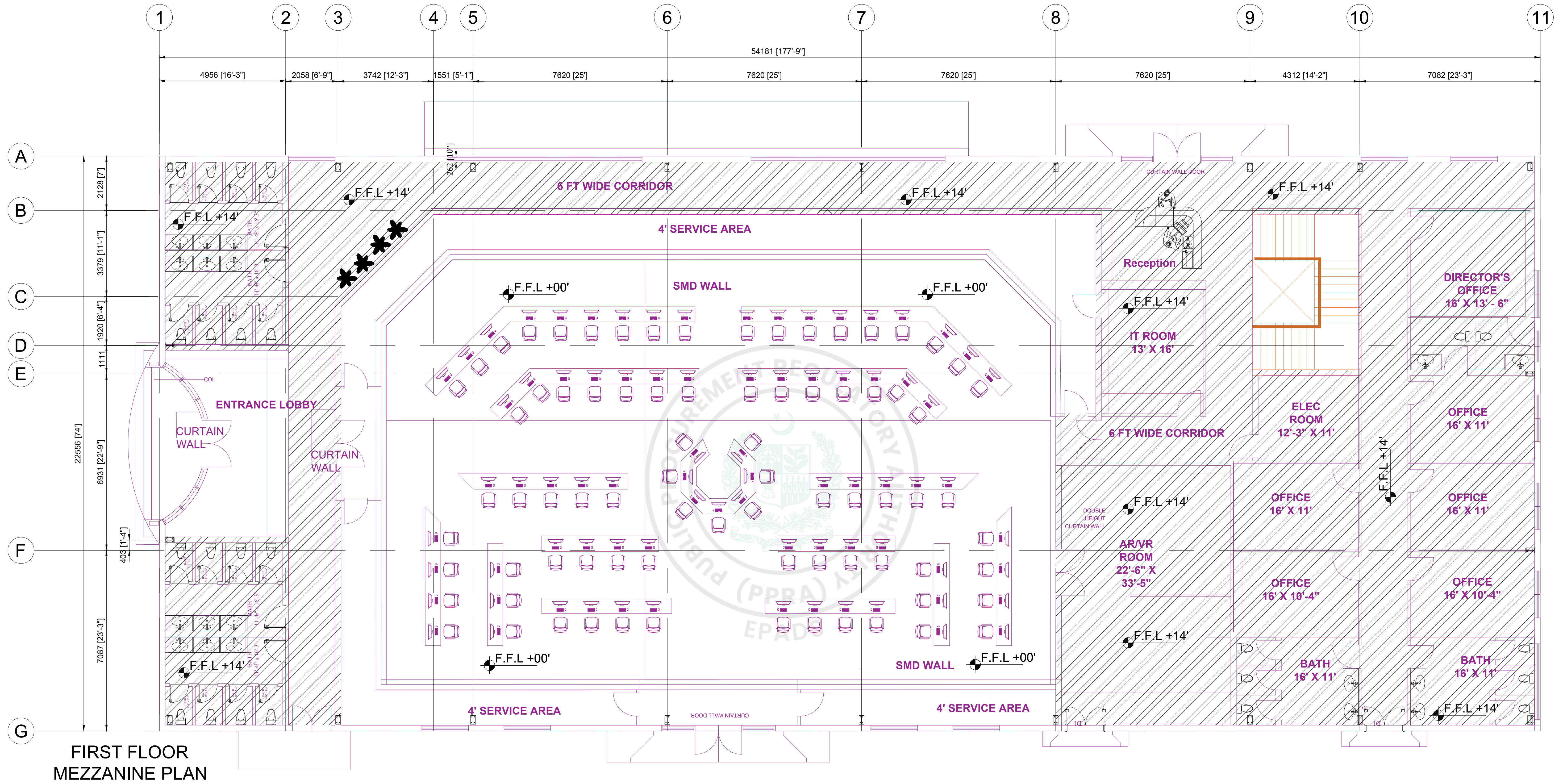
CONSTRUCTION DRAWING			
PROJECT:			
NDMA NGT			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
AZHAR	SHAHID SHABBIR	AZHAR	
SCALE:	DATE:	JOB NO:	
N.T.S	29-06-2026	R-****	
TITLE:			DRAWING NO.
GROUND FLOOR PLAN			CD-01
NDMA			



FIRST FLOOR PLAN

CONSTRUCTION DRAWING			
PROJECT: NDMA NGT			
DESIGNED BY: AZHAR	DRAWN BY: SHAHID SHABBIR	CHECKED BY: AZHAR	
SCALE: N.T.S	DATE: 29-06-2026	JOB NO: R-*****	
TITLE: FIRST FLOOR PLAN			DRAWING NO. CD-02

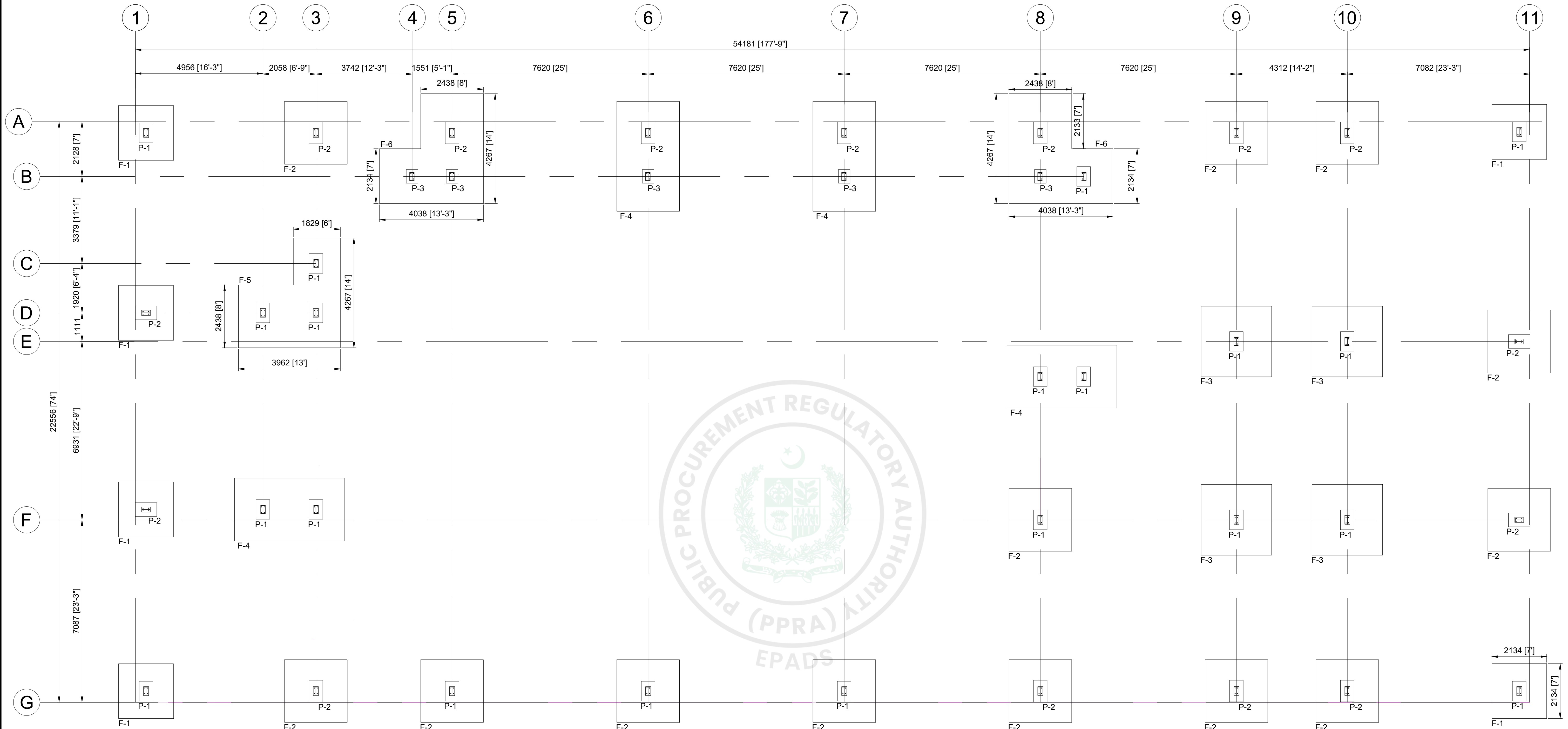
NDMA



FIRST FLOOR
MEZZANINE PLAN

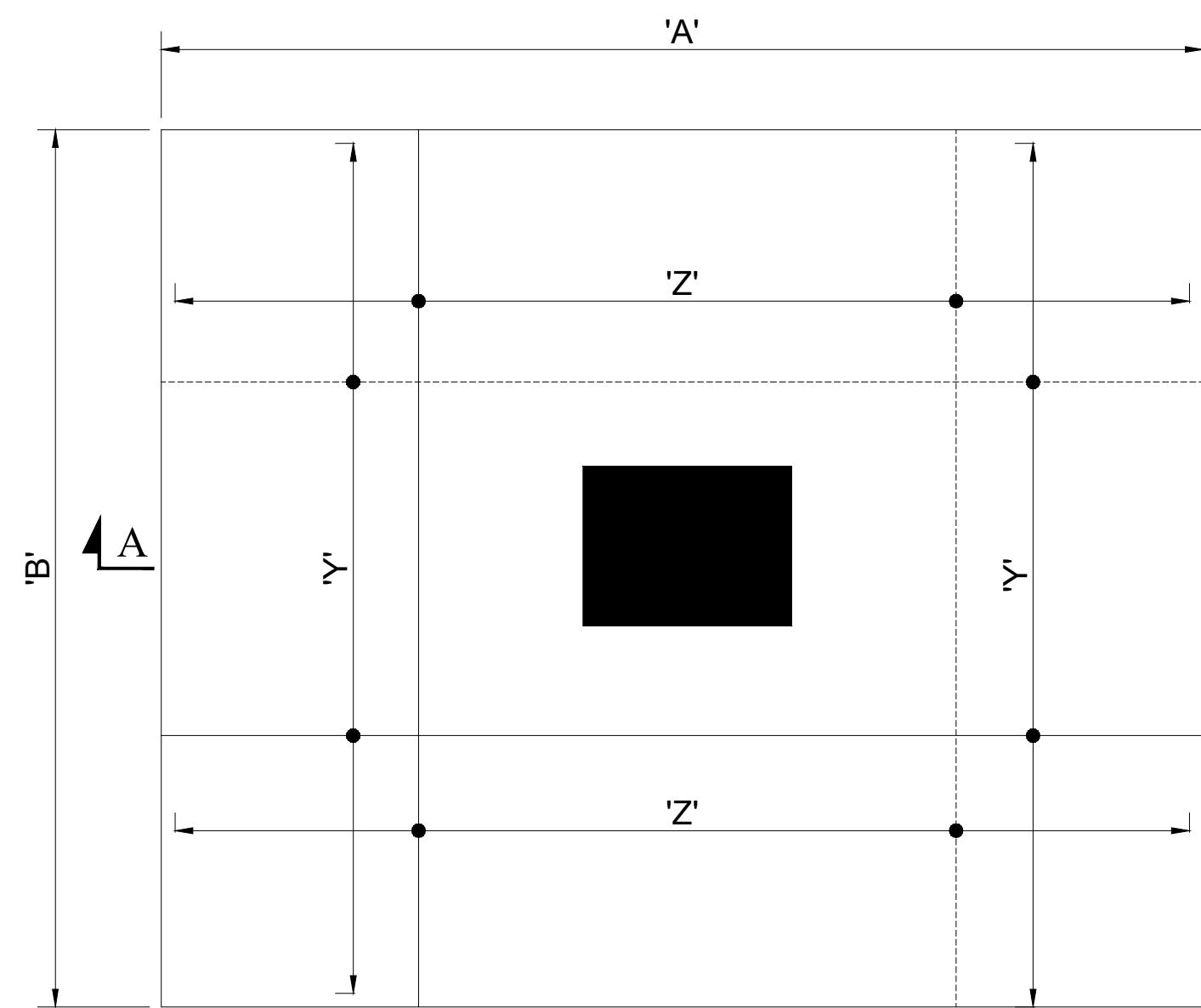
CONSTRUCTION DRAWING			
PROJECT:			
NDMA NGT			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
AZHAR	SHAHID SHABBIR	AZHAR	
SCALE:	DATE:	JOB NO:	
N.T.S	29-06-2026	R-****	
TITLE:			DRAWING NO.
FIRST FLOOR MEZZANINE PLAN			CD-03

NDMA

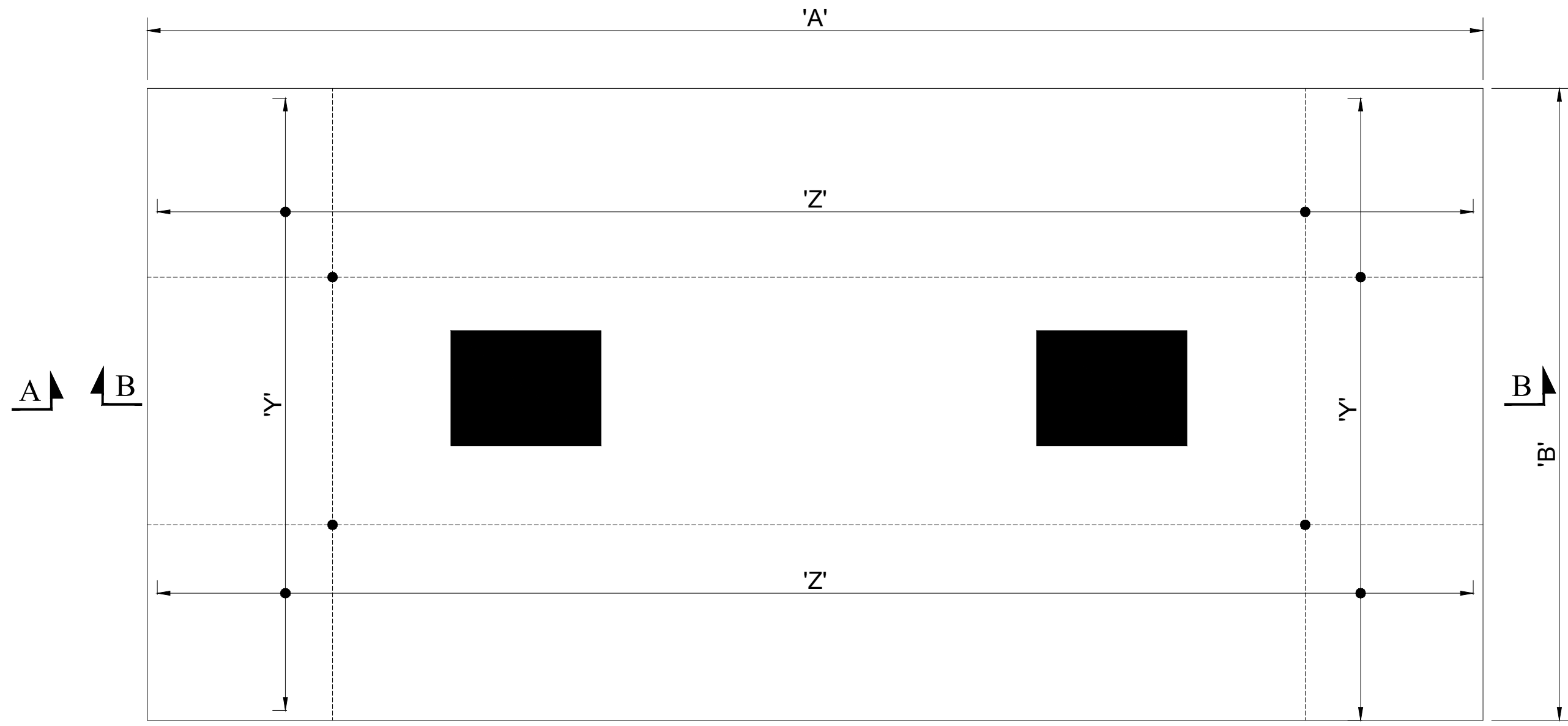


FOOTING PLAN

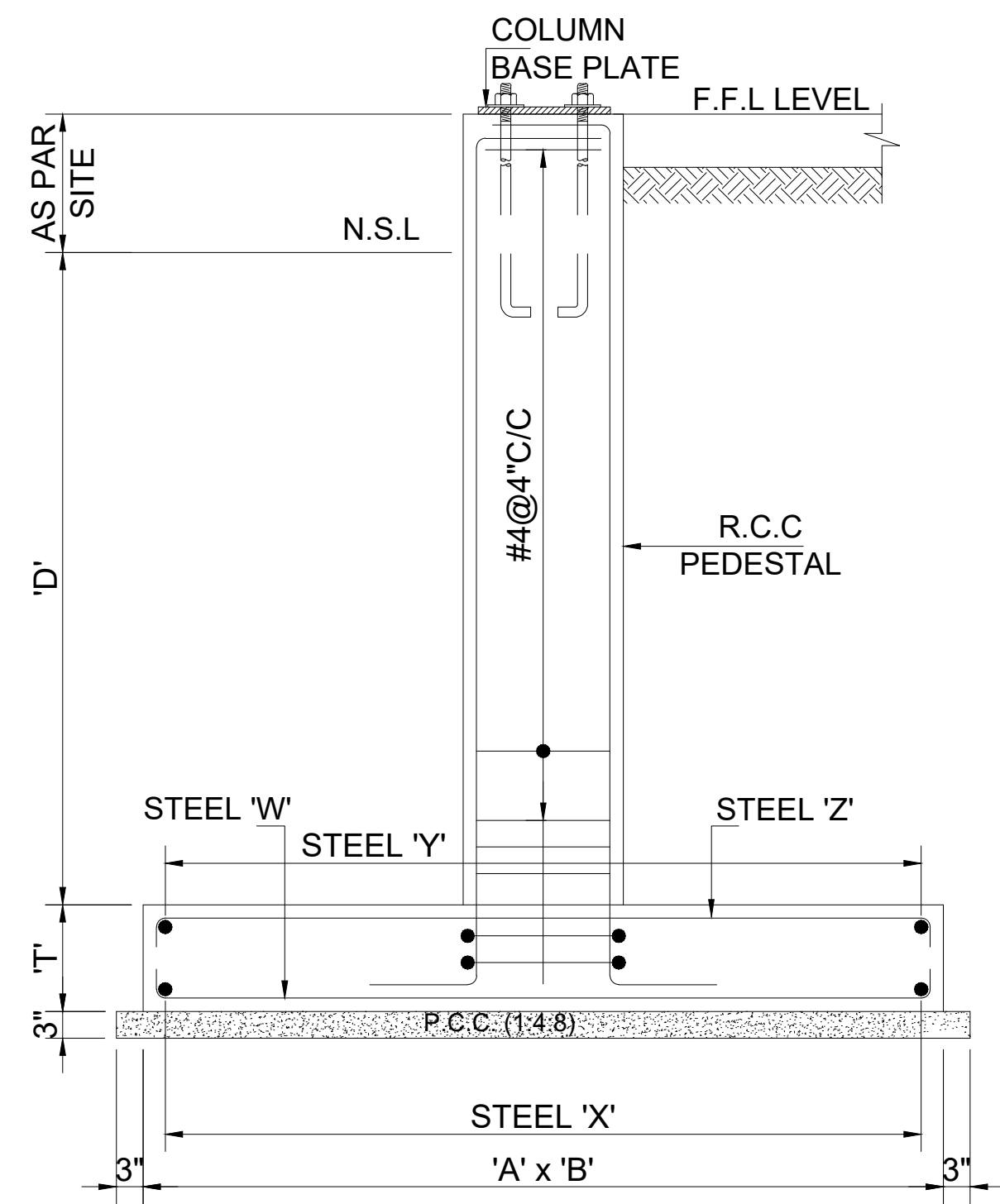
CONSTRUCTION DRAWING			
PROJECT:			
NDMA NGT			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
AZHAR	SHAHID SHABBIR	AZHAR	
SCALE:	DATE:	JOB NO:	
N.T.S	29-06-2026	R-*****	
TITLE:			DRAWING NO.
FOOTING PLAN			CD-04
NDMA			



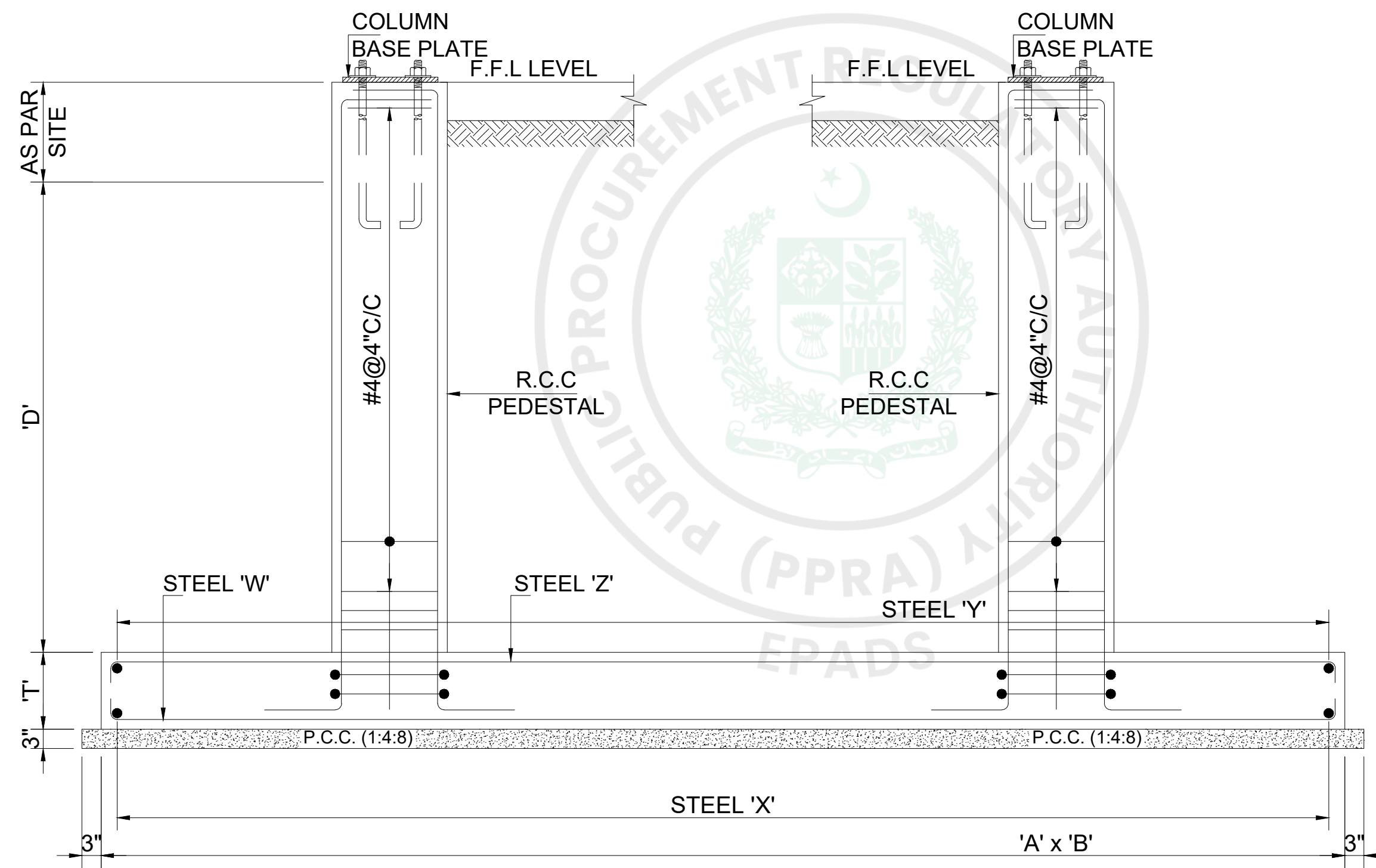
TYP. FOUNDATION DETAIL 1-2-3



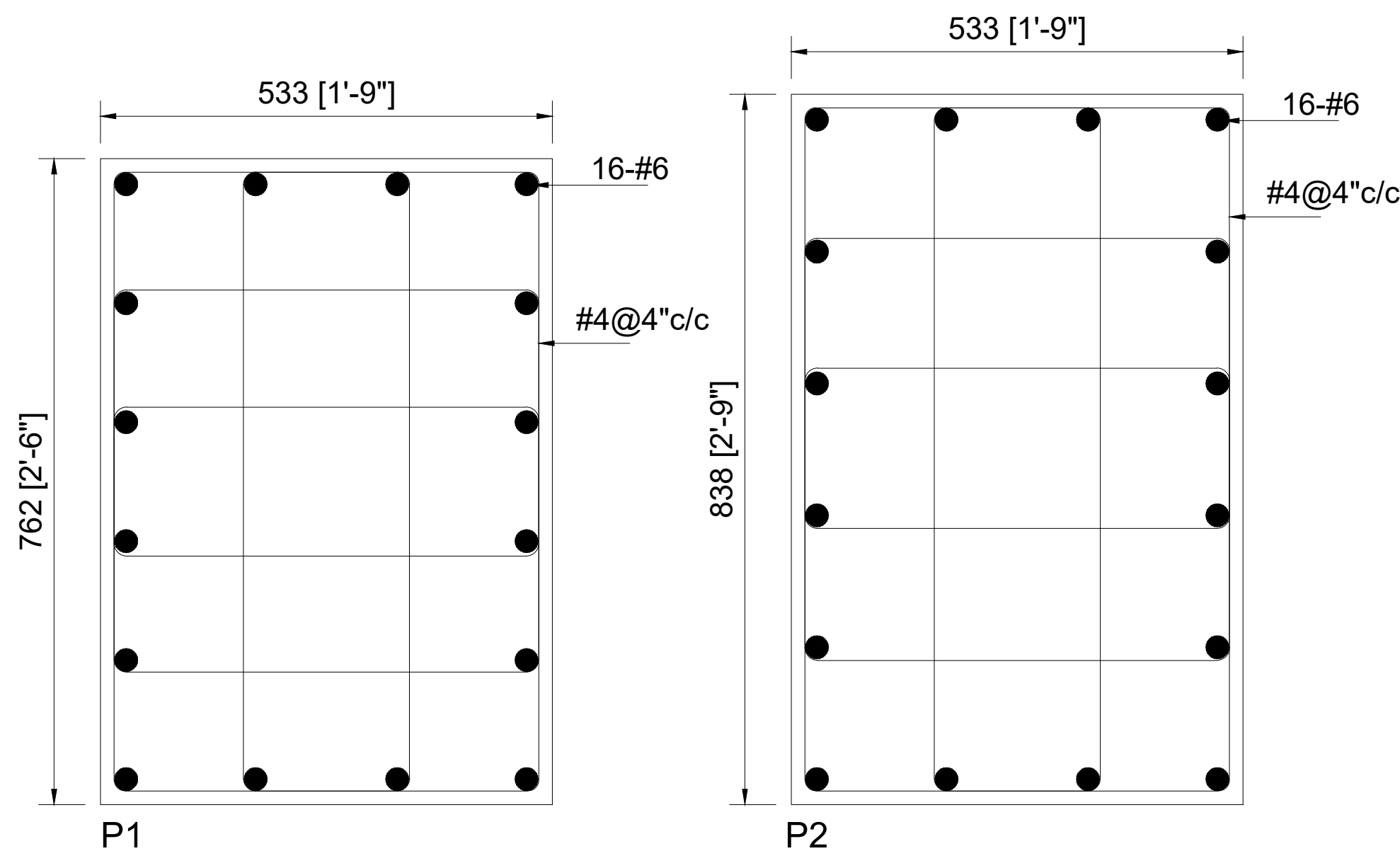
TYP. FOUNDATION DETAIL F-4



SECTION A-A

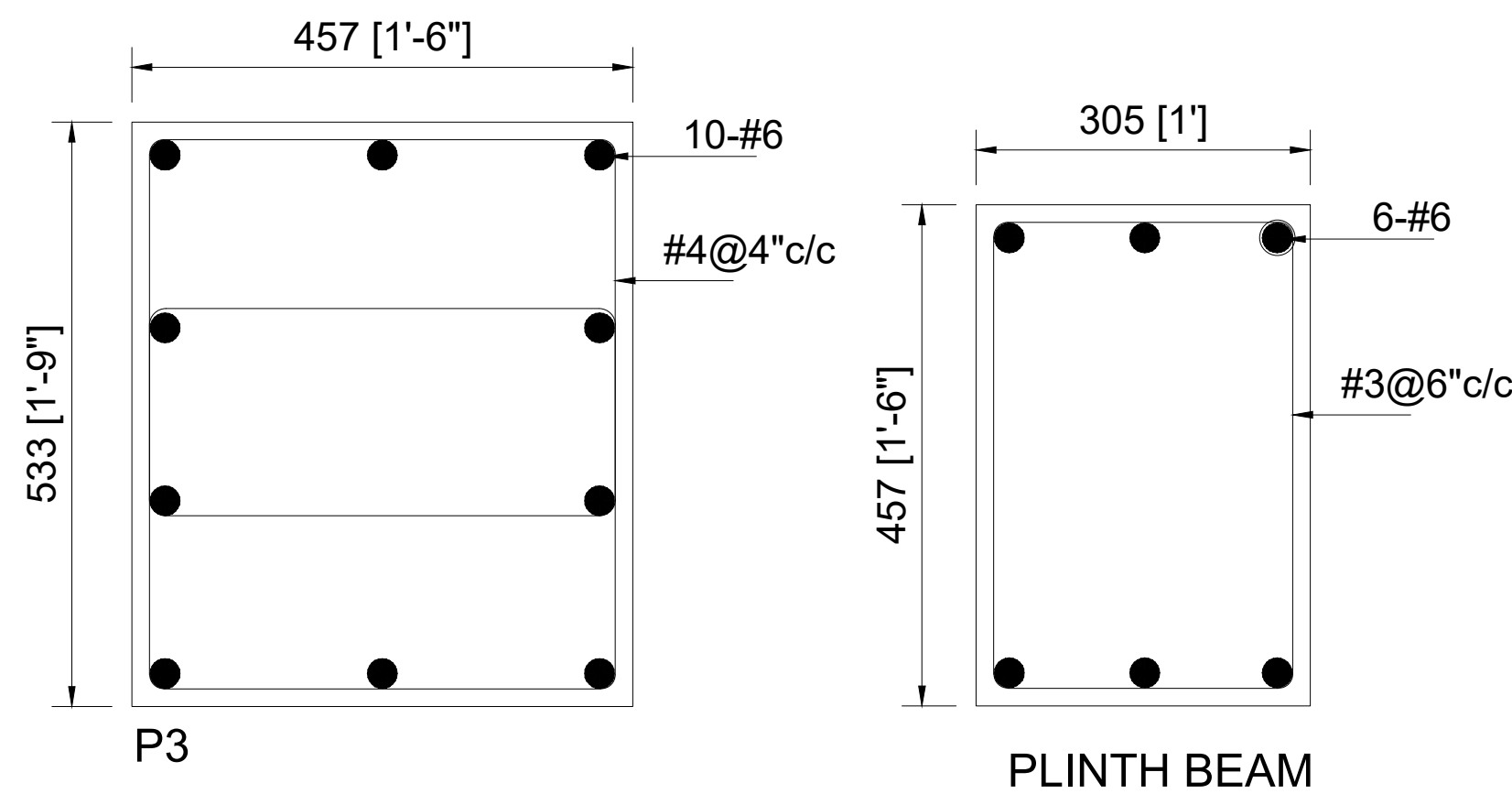


SECTION B-B



P1

P2



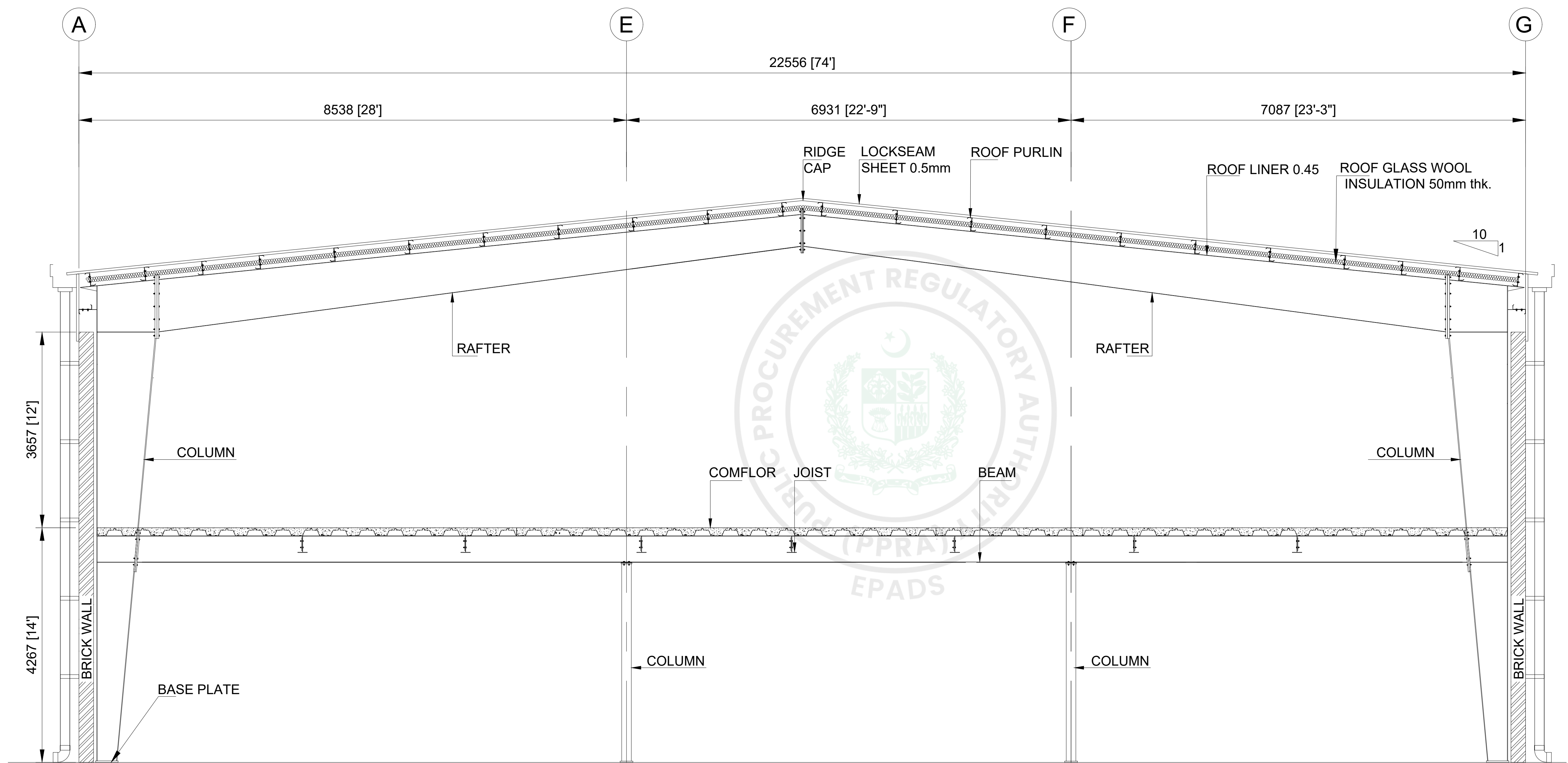
P3

PLINTH BEAM

SCHEDULE OF MAIN COLUMN FOOTING

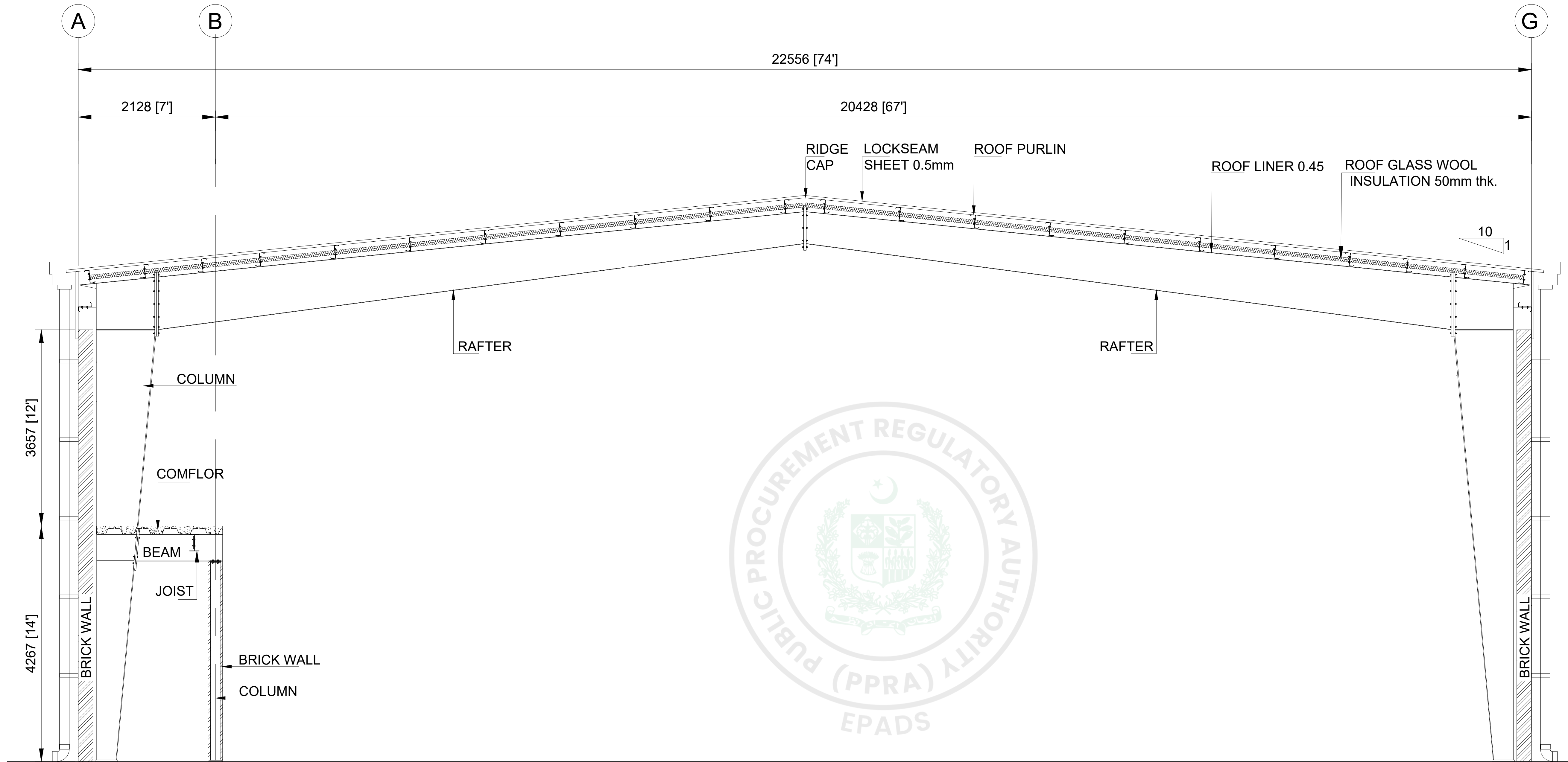
FOUNDATION	DIMENSION 'A'	DIMENSION 'B'	THICK 'T'	DEPTH 'D'	STEEL 'Y'	STEEL 'Z'	STEEL 'W'	STEEL 'X'
F-1	7'-0"	7'-0"	12"	4'-0"	#4@6"C/C	#4@6"C/C	#6@7"C/C	#6@7"C/C
F-2	8'-0"	8'-0"	12"	4'-0"	#4@6"C/C	#4@6"C/C	#6@7"C/C	#6@7"C/C
F-3	9'-0"	9'-0"	12"	4'-0"	#4@6"C/C	#4@6"C/C	#6@7"C/C	#6@7"C/C
F-4	14'-0	8'-0"	12"	4'-0"	#4@6"C/C	#4@6"C/C	#6@7"C/C	#6@7"C/C
F-5	-	-	12"	4'-0"	#4@6"C/C	#4@6"C/C	#6@7"C/C	#6@7"C/C
F-6	-	-	12"	4'-0"	#4@6"C/C	#4@6"C/C	#6@7"C/C	#6@7"C/C

CONSTRUCTION DRAWING			
PROJECT:			
NDMA NGT			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
AZHAR	SHAHID SHABBIR	AZHAR	
SCALE:	DATE:	JOB NO:	
N.T.S	29-06-2026	R-****	
TITLE:			DRAWING NO.
FOOTING DETAILS			CD-05
NDMA			

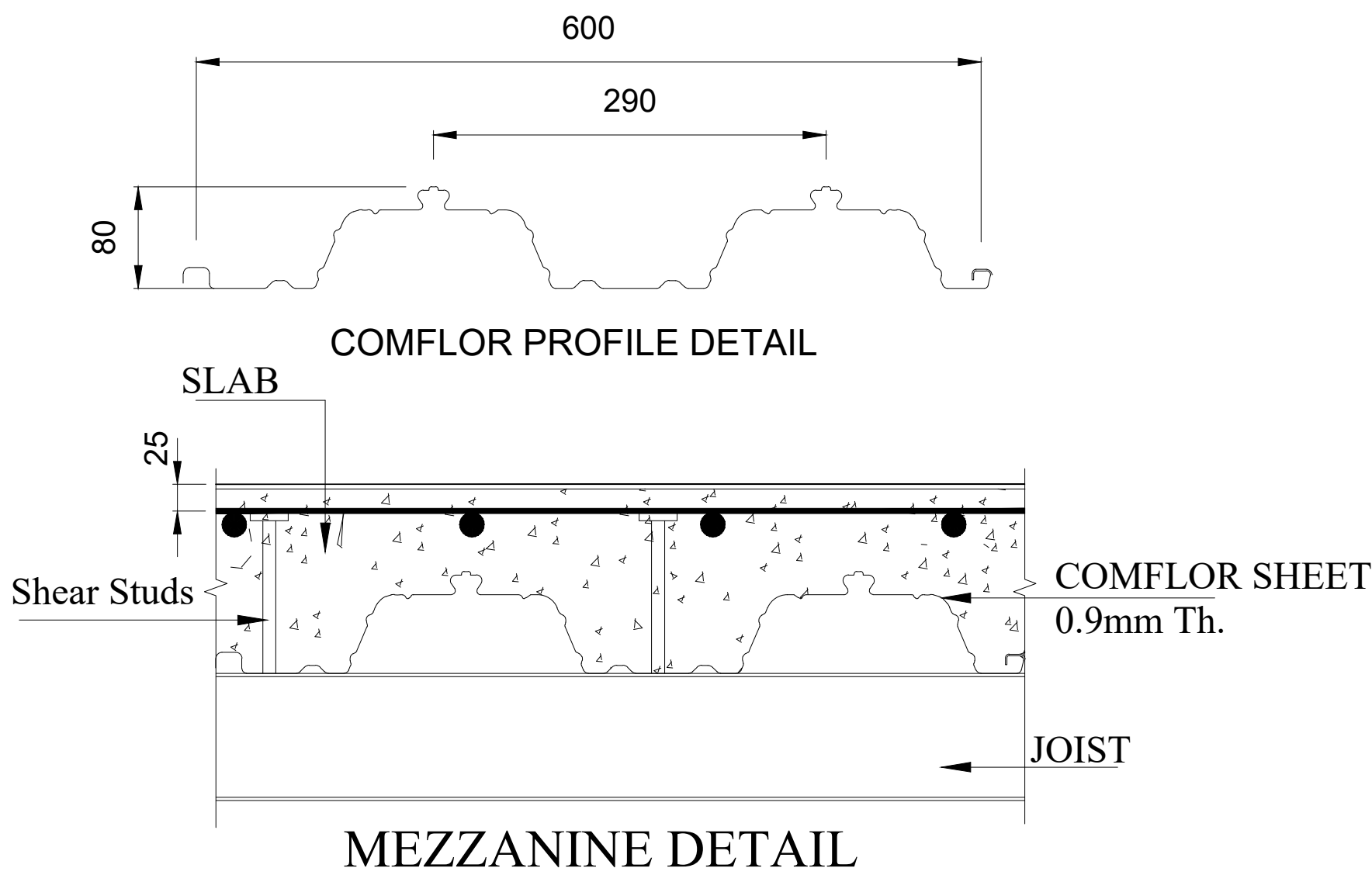


FRAME SECTION @ GRID LINE 10

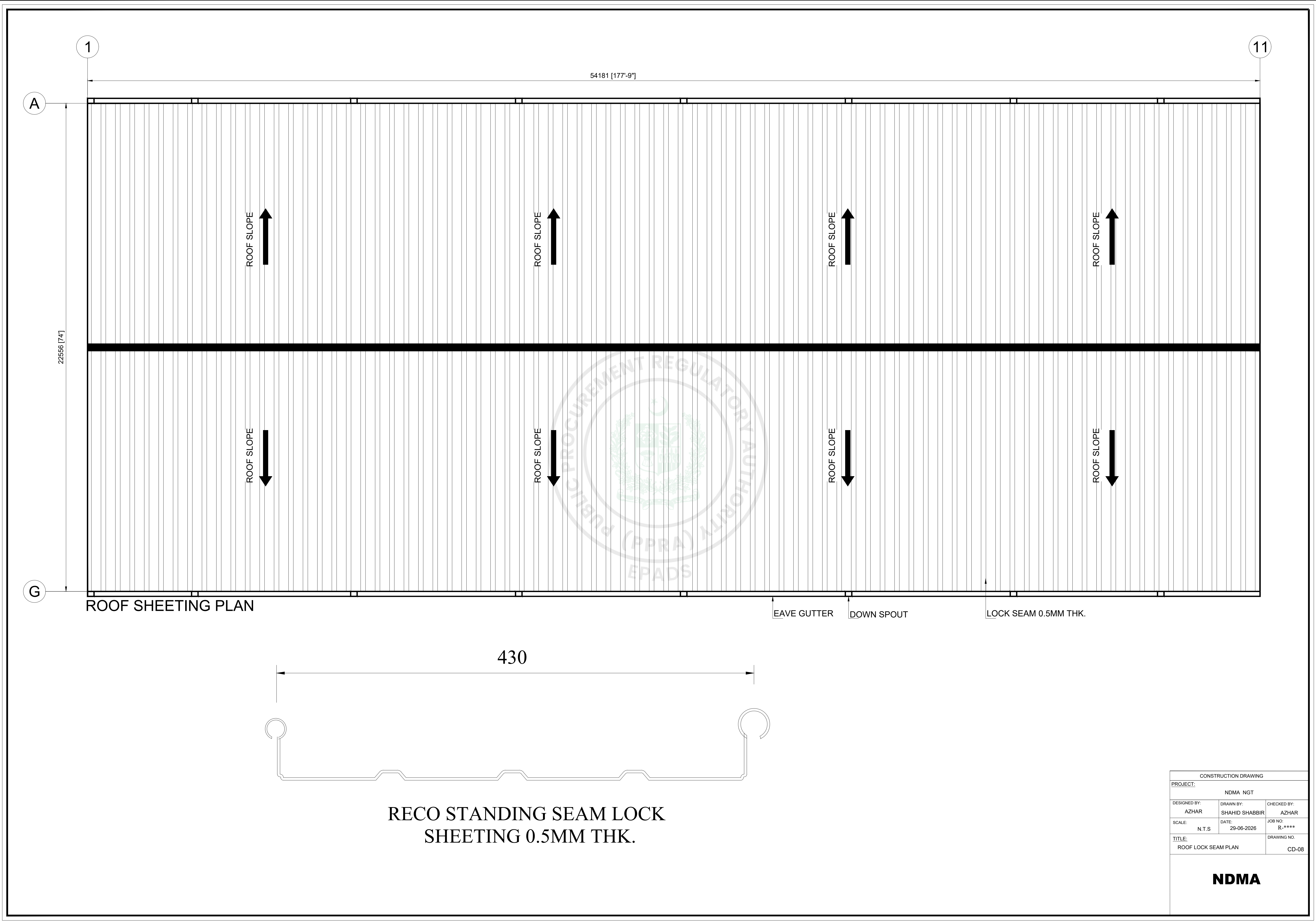
CONSTRUCTION DRAWING			
PROJECT: NDMA NGT			
DESIGNED BY: AZHAR	DRAWN BY: SHAHID SHABBIR	CHECKED BY: AZHAR	
SCALE: N.T.S	DATE: 29-06-2026	JOB NO: R-****	
TITLE: FRAME SECTION @ GRID LINE 7			DRAWING NO. CD-06
NDMA			



FRAME SECTION @ GRID LINE 7



CONSTRUCTION DRAWING			
PROJECT: NDMA NGT			
DESIGNED BY: AZHAR	DRAWN BY: SHAHID SHABBIR	CHECKED BY: AZHAR	
SCALE: N.T.S	DATE: 29-06-2026	JOB NO: R-****	
TITLE: FRAME SECTION @ GRID LINE 7		DRAWING NO. CD-07	
NDMA			



ROOF SHEETING PLAN

EAVE GUTTER DOWN SPOUT LOCK SEAM 0.5MM THK.

RECO STANDING SEAM LOCK
SHEETING 0.5MM THK.

CONSTRUCTION DRAWING			
PROJECT: NDMA NGT			
DESIGNED BY: AZHAR	DRAWN BY: SHAHID SHABBIR	CHECKED BY: AZHAR	
SCALE: N.T.S	DATE: 29-06-2026	JOB NO: R-****	
TITLE: ROOF LOCK SEAM PLAN		DRAWING NO. CD-08	
NDMA			





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

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

- (a) be taken into consideration during Bid evaluation;
- (b) result in my disqualification from participating in the Bid;
- (c) result in my dismissal from the contract.

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

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day/month/year): _____

Financial Resources

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

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

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.