

ADDENDUM-01

BIDDING DOCUMENTS

FOR

**RENOVATION OF PUNJAB MASS
TRANSIT AUTHORITY OFFICE, LAHORE**

**PUNJAB MASS TRANSIT AUTHORITY
(GOVERNMENT OF PUNJAB)**



(VOLUME 1)

- INSTRUCTIONS TO BIDDERS
 - BID DATA SHEET
- LETTERS OF TECHNICAL BID / FINANCIAL BID, AND APPENDICES TO BID
 - FORMS
- CONDITIONS OF CONTRACT
 - SPECIFICATIONS

DECEMBER, 2025

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INVITATION FOR E-BIDS

INVITATION FOR e-BIDS

Date: 22-12-2025

1. The **Secretary, Punjab Mass Transit Authority** (“Employer”) through its own resources intends to undertake the Contract for “Renovation of Punjab Mass Transit Authority Office”. Bidding is open to all eligible Bidders.

(Works include interior renovation/revamping Works of new office including flooring, roofing, painting, iron, wood works, electrical & I.T Works and supply of Furniture etc. complete in all respects)
2. The Employer invites encrypted e-bids from Eligible Bidders by uploading PDF file in accordance with Regulation 6[4(a)] of Punjab Procurement Regulations 2024, under Single Stage-Two Envelope bidding procedure duly licensed by the Pakistan Engineering Council in the appropriate category for the Works.
3. The Bidding document are made available to the interested Bidders free of cost. The Bidding documents may be downloaded from the websites (<https://punjab.eprocure.gov.pk/>), <https://www.ppra.punjab.gov.pk>, and <https://www.pma.punjab.gov.pk>
6. All e-bids must be accompanied by a Bid Security in the amount of **Rs. 850,000 (Rupees Eight hundred Fifty thousand only)** in the format of pay order/deposit-at-call or an irrevocable bank guarantee issued by a Scheduled Bank of Pakistan in favor of **Employer**. The original form of Bid security must be delivered to office of PMA, before the date and time for Bid opening. Bids must be uploaded on e-PADS at **3:00 PM hours**, on 31th December, 2025.
7. Technical Bids will be opened at **3:30 PM** on the same day, in the presence of bidder’s representatives who choose to attend at the address **“5th Floor, Arfa Karim Software Park (ASTP),346-B, Ferozepur Road, Lahore”**.
8. The Works are to be completed **within 60 (sixty) calendar days** from the date of the Employer’s order to commence the Works.
9. The Employer reserve the right to reject all bids prior to acceptance of bids without assigning any reason whatsoever.
10. All conditional bids are liable to be rejected.

Secretary
Punjab Mass Transit Authority
Address
Telephone No.: 04299028000
Office Hours: 9AM-5PM (Monday to Friday)

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with Bid data sheet will not be part of the Contract and will cease to have effect once the contract is signed.)

A. GENERAL

IB.1 Scope of Bid

- 1.1 The Employer as defined in the Bid data sheet hereinafter called “the Employer” wishes to receive bids for the construction and completion of works and remedying any defects therein as described in these Bidding Documents, and summarized in the Bid data sheet hereinafter referred to as the “Works”.
- 1.2 The successful bidder will be expected to complete the Works within the time specified in Appendix-A to Bid in accordance with the conditions, stipulations and the requirements described and set forth in these bid documents.
- 1.3 The submission of a bid will imply full acceptance on the part of the Bidder of these instructions, conditions, stipulations and the requirements described and set forth in these bid documents.

IB.2 Source of Funds

- 2.1 The Employer has applied for/received a loan/credit/scheme from the source (s) indicated in the Bid data sheet in Pak Rupees/ various currencies towards the cost of the project specified in the Bid data sheet and it is intended that the proceeds of this loan/credit/ scheme will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

IB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all bidders meeting the following requirements:
 - a. Duly licensed by the Pakistan Engineering Council (PEC) as specified in Appendix-N.
 - b. Incorporated with Security and Exchange Commission of Pakistan or Registrar of Firms as the case may be. [NTN Verification along with requisite Affidavit of sole-proprietorship in case of Sole-Proprietor]. Copy of Document defining the constitution and legal status, place of registration, principal place of business of the Company or firm or Partnership.
 - c. Registered with active status from Tax Authorities
 - d. Not blacklisted by the Procuring Agency.
 - e. Foreign firm participating in the JV shall have the nationality of an eligible country. Foreign firm shall be deemed to have the nationality of a country if the foreign firm is a national of that country; or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. (Not Applicable)

- f. A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be non-responsive. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:
- (i) are associated or have been associated, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design and other documents to be used.
 - (ii) have controlling shareholders in common; or
 - (iii) receive or have received any direct or indirect subsidy from any of them; or
 - (iv) have the same legal representative for purposes of this Bid; or
 - (v) 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 regarding this Bidding process;

IB.4 One Bid per Bidder

- 3.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

IB.5 Cost of Bidding

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

IB.6 Inspection of Site (Site Visit)

- 6.1 The bidders are advised to visit and examine the Site of Works and its surroundings and shall obtain all necessary information for themselves before submitting their bids as to the cost, risks, contingencies, quantities and nature of Works, climate conditions, the location, form and nature of the site and the terrain, the requirements and availability of manpower, labor, materials and roads, the means and access to the site, transportation and communication facilities and other circumstances on their own responsibility all information that may be necessary for preparing the bid, which may affect or influence their bids and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.
- 6.2 The bidders and any of their personnel or agents will be granted permission by the Employer to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Employer, his personnel and agents 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 such inspection.

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Invitation to Bid
2. Instructions to Bidders.
3. Bid data sheet.
4. General Conditions of Contract, Part-I(GCC).
5. Special Conditions of Contract, Part-II(SCC).
6. Specifications – Special Provisions & Technical Provisions
7. Form of Bid & Appendices to Bid, including a Certificate that the bidder is not currently blacklisted by the Procuring Agency.
8. Bill of Quantities (Appendix-D to Bid).
9. Bid Drawings.
10. Addenda and Corrigenda, if any, issued by the Employer.
11. Form of Bid Security.
12. Form of Contract Agreement.
13. Forms of Performance Security and Mobilization Advance.

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

7.3 The Employer shall not assume any responsibility for information, interpretation and deductions the Bidders may make from the data furnished by the Employer. No verbal understanding, agreement or conversation with any officer, employee or agent of the Employer, either before, during or after the execution of the Contract, shall affect or modify any of the terms or obligations contained in the Bid Documents.

IB.8 Clarification of Bidding Documents

8.1 Any prospective bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Employer in writing at the Employer's address indicated in the Invitation for Bids. The Employer will respond to any request for clarification which he receives prior to the deadline for submission of bids. The exact number of days will be mentioned in the Bid Data Sheet keeping in view the time given for submission of bids.

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

IB.9 Amendment of Bidding Documents

9.1 At any time at least three days prior to the deadline for submission of bids, the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.

9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to IB 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents, at least three (03) days prior to the closing date of submission of the bid.

Prospective bidders shall acknowledge receipt of each addendum in writing to the Employer.

- 9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may extend the deadline for submission of bids in accordance with Clause IB.20

C. PREPARATION OF BIDS

IB.10 Language of Bid

- 10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Employer shall be in the bid language stipulated in the Bid data sheet and Special Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Comprising the Bid

- 11.1 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid and the other the Financial Bid, containing the documents listed in Bid data sheet under the heading of IB 11.1 A & B respectively. Both envelopes to be enclosed together in an outer single envelope called the Bid. Each bidder shall furnish all the documents as specified in Bid data sheet 11.1 A & B.
- 11.2 Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement. The role to be played by each partner to be specified therein; and, the concerned partner should have the requisite qualification/ experience to successfully execute the assigned task. Bids submitted by a joint venture of two (2) or more firms shall also comply with the following requirements:
- (a) In case of a successful bid, the Form of JV Agreement shall be signed so as to be legally binding on all partners within 7 days of the receipt of letter of acceptance failing which the contract and the letter of acceptance shall stand void and redundant.
 - (b) One of the joint venture partners shall be nominated as being in charge/ lead partner; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;
 - (c) The partner-in-charge/ lead partner shall always be duly authorized to deal with the Employer regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of JV Agreement and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;

- (d) All partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms; and, a statement to this effect shall be included in the authorization mentioned under Sub-Para (b) above as well as in the Form of Bid and in the Form of JV Agreement (in case of a successful bid); and
 - (e) A copy of JV agreement shall be submitted before signing of the Contract, stating the conditions under which JV will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. The JV Agreement shall be made part of the contract. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the Employer.
- 11.3 The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule, qualification/ experience required to successfully execute the individually assigned tasks and any other information as stipulated in Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

- 12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in IB 1.1 hereof, based on the unit rates and / or prices submitted by the bidder.
- 12.2 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the Employer when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities.
- 12.3 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date **of opening of the bids** shall be included in the rates and prices and the total Bid Price submitted by a bidder.
- Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.
- 12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 70 of the Conditions of Contract. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix C to Bid and shall submit with the bids such other supporting information as required under the said clause. (Not Applicable)
- 12.5 No Bidder shall have any right to make any objection, excuse or claim about correctness and sufficiency of his Bid after receipt of his Bid by the Employer.

IB.13 Currencies of Bid and Payment

- 13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Employer's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. However, subject to GCC clause 71.1, payments in foreign currency are not permissible.
- 13.2 The rates of exchange to be used by the bidder for currency conversion shall be the TT & OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date of opening of the bids. For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the Contract. Rule 32(2) of PPR-14 shall be applicable for rate of exchange of foreign currencies.

IB.14 Bid Validity

- 14.1 Bids shall remain valid for the period stipulated in the Bid data sheet after the Date of Bid Opening specified in Clause IB.23.
- 14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Employer may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period or 180 days whichever is more. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects. Rule 28 of PPR-14 shall be applicable for Bid Validity period.

IB.15 Bid Security

- 15.1 Each bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bid data sheet in Pak Rupees.
- 15.2 The Bid Security shall be, at the option of the bidder, in the form of pay order, Deposit-at-Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan in favor of the Employer valid for a period 30 days beyond the Bid Validity date.
- 15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.
- 15.4 The bid securities of unsuccessful bidders will be returned on Employer's signing the agreement with the successful Bidder but not later than 90 days following the date set for the opening of the Bids.
- 15.5 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.
- 15.6 The Bid Security may be forfeited:
- (a) If the bidder withdraws his bid except as provided in IB 22.1;
 - (b) If the bidder does not accept the correction of his Bid Price pursuant to IB 27.2 hereof; or

- (c) In the case of successful bidder, if he fails within the specified time limit to:
 - (i) Furnish the required Performance Security;
 - (ii) Sign the Contract Agreement, or
 - (iii) Furnish the required JV agreement within 7 days of the receipt of letter of acceptance, if applicable.

IB.16 Alternate Proposals by Bidder

- 16.1 No alternate proposals are allowed in single stage two envelope method.

IB.17 Pre-Bid Meeting

- 17.1 The Employer may, on his own motion or at the request of any prospective bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, is as stipulated in the Bid data sheet. All prospective bidders or their authorized representatives shall be invited to attend such a pre-bid meeting.
- 17.2 The bidders are requested to submit questions, if any, in writing so as to reach the Employer not later than seven (7) days before the proposed pre-bid meeting.
- 17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in IB 7.1 hereof, which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.
- 17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

- 18.1 Bidders are particularly directed that the amount entered on the Letter of Financial Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.
- 18.2 All appendices to Bid are to be properly completed and signed.
- 18.3 No alteration is to be made in the Financial Bids and Technical Bids nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.
- 18.4 The Bidder shall prepare one original of the Technical Bid and one original of the Financial Bid comprising the Bid as described in Bid data sheet against IB 11 and clearly mark it "ORIGINAL - TECHNICAL BID" and "ORIGINAL - FINANCIAL BID". In addition, the Bidder shall submit two (2) copies of the Bid and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 18.5 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the Bid data sheet and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of

the Bid, except for unamended printed literature, shall be signed or initialed by the person signing the bid.

- 18.6 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.
- 18.7 Bidders shall indicate in the space provided in the Letter of Technical and Financial Bids, their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.
- 18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS FOR SINGLE STAGE TWO ENVELOPE BIDDING PROCEDURE

IB.19 Sealing and Marking of Bids

- 19.1 Each bidder shall submit his bid as under:
- (a) ORIGINAL and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.
 - (b) The envelopes containing the ORIGINAL and copies will be put in one sealed envelope and addressed / identified as given in IB 19.2 hereof.
 - (c) The technical bid should comprise of documents listed in IB11.1 (A) & the Financial Bid should comprise of documents listed in IB 11.1 (B) which shall be placed in separate envelopes in accordance with IB 11.1.
- 19.2 The inner and outer envelopes shall:
- (a) Be addressed to the Employer at the address provided in the Bid data sheet;
 - (b) Bear the name and identification number of the contract as defined in the Bid data sheet; and
 - (c) Provide a warning not to open before the time and date for bid opening, as specified in the Bid data sheet.
- 19.3 In addition to the identification required in IB 19.2 hereof, the inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" pursuant to Clause IB.21
- 19.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

- 20.1
- (a) Bids must be received by the Employer at the address specified no later than the time and date stipulated in the Bid data sheet.
 - (b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified

above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

- (c) Where delivery of a bid is by mail and the bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.
- (d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Employer may, at his discretion, extend the deadline for submission of Bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

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

IB.22 Modification, Substitution and Withdrawal of Bids

- 22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.
- 22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.
- 22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with IB 22.1 and 27.2.
- 22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION FOR SINGLE STAGE TWO ENVELOPE BIDDING PROCEDUR

IB.23 Bid Opening

- 23.1 The Employer will open the Technical Bids in public at the address, date and time specified in the Bid data sheet in the presence of Bidders` designated representatives and anyone who choose to attend. The Financial Bids will remain

unopened and will be held in custody of the Employer until the specified time of their opening.

- 23.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding Withdrawal Notice contains a valid authorization to request the withdrawal and is read out at bid opening.
- 23.3 Second, outer envelopes marked "SUBSTITUTION" shall be opened. The inner envelopes containing the Substitution Technical Bid and/or Substitution Financial Bid shall be exchanged for the corresponding envelopes being substituted, which are to be returned to the Bidder unopened. Only the Substitution Technical Bid, if any, shall be opened, read out, and recorded. Substitution Financial Bid will remain unopened in accordance with IB 23.1. No envelope shall be substituted unless the corresponding Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at bid opening.
- 23.4 Next, outer envelopes marked "MODIFICATION" shall be opened. No Technical Bid and/or Financial Bid shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at the opening of Technical Bids. Only the Technical Bids, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Financial Bids, both Original and Modification, will remain unopened in accordance with IB 23.1. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.
- 23.5 Other envelopes holding the Technical Bids shall be opened one at a time, and the following read out and recorded:
- (a) the name of the Bidder;
 - (b) whether there is a modification or substitution;
 - (c) the presence of a Bid Security, if required; and
 - (d) Any other details as the Employer may consider appropriate.

No Bid shall be rejected at the opening of Technical Bids except for late bids, in accordance with IB 21.1. Only Technical Bids read out and recorded at bid opening, shall be considered for evaluation.

Preliminary Examination of Technical Bids

- 23.6 a) The Employer shall first examine qualification and experience Data as per appendix M and N submitted by the Bidder. The technical proposal examination of those bidders only shall be taken in hand who meet the minimum requirement as mentioned in appendix M and N. Only substantially responsive qualification shall be considered for further evaluation.
- b) The Employer shall examine the Technical Bid to confirm that all the documents have been provided, and to determine the completeness of each document submitted.

- 23.7 The Employer shall confirm that all the documents and information have been provided for evaluation of technical bid as required under these bidding documents.
- 23.8 At the end of the evaluation of the Technical Bids, the Employer will invite only those bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Financial Bids.
The date, time, and location of the opening of Financial Bids will be advised in writing by the Employer. Bidders shall be given reasonable notice for the opening of Financial Bids.
- 23.9 The Employer will notify Bidders in writing who have been rejected on the grounds of their Technical Bids being substantially non-responsive to the requirements of the Bidding Document and return their Financial Bids unopened as per rule 38(2)(a)(vii) of PPR-14.
- 23.10 The Employer shall conduct the opening of Financial Bids of all Bidders who submitted substantially responsive Technical Bids, publically in the presence of Bidders` representatives who choose to attend at the address, date and time specified by the Employer. The Bidder`s representatives who are present shall be requested to sign a register evidencing their attendance.
- 23.11 All envelopes containing Financial Bids shall be opened one at a time and the following read out and recorded:
- (a) The name of the Bidder;
 - (b) Whether there is a modification or substitution;
 - (c) The Bid Prices, including any discounts; and
 - (d) Any other details as the Employer may consider appropriate.
- Only Financial Bids and discounts, read out and recorded during the opening of Financial Bids shall be considered for evaluation. No Bid shall be rejected at the opening of Financial Bids.
- 23.12 If this Bidding Document allows Bidders to quote separate prices for different contracts, and the award to a single Bidder of multiple contracts, the methodology to determine the lowest evaluated price of the contract combinations is that which is most economical to the Employer. (Not Applicable)

IB.24 Process to be Confidential

- 24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of final bid evaluation report which shall be done at least 10 days prior to the award of Contract. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made (if applicable), final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Employer`s processing of bids or award decisions may result in the rejection of such bidder`s bid. Whereas any bidder feeling aggrieved may lodge a written complaint not later than ten 10 days after the announcement of Technical and Financial Bids. No bidder will be allowed to file grievance petition w.r.t. Technical Evaluation after announcement/ uploading of Financial Evaluation Report.

However mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

- 25.1 To assist in the examination, evaluation and comparison of bids, the Employer may, at his discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids in accordance with Clause IB.28.
- 25.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its bid may be rejected. Rule 33 of PPR-14 shall be applicable for clarifications.

IB.26 Examination of Bids and Determination of Responsiveness

- 26.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.
- 26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; (iv) Includes signed Integrity Pact where required as per clause IB.35; and (v) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation (vi) meets the qualification criteria as specified in Appendix- M & N. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Employer's rights or the bidder's obligations under the Contract; (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids. Only substantially responsive bid shall be considered for further evaluation.
- 26.3 If a bid is not substantially responsive, it may not subsequently be made responsive by correction or withdrawal of the non-conforming material deviation or reservation. The Employer may, however, seek confirmation/ clarification in writing which shall be responded in writing.

IB.27 Correction of Errors

- 27.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:
- (a) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
 - (b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.
- 27.2 The amount stated in the Letter of Financial Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and with the

concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with IB.15.6 (b) hereof.

IB.28 Evaluation and Comparison of Bids

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

F. AWARD OF CONTRACT

IB.29 Award

- 29.1 Subject to Clauses IB.30 and IB.34, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to IB 29.2.
- 29.2 The Employer, at any stage of the bid evaluation, having credible reasons for or prima facie evidence of any defect in bidder's capacities, may require the bidders to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

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

IB.30 Employer's Right to Accept any Bid and to Reject any or all Bids

- 30.1 Notwithstanding Clause IB.29, the Employer reserves the right to accept or reject any Bid by giving reasons, and to annul the bidding process and reject all bids, at any time prior to the acceptance of any bid or proposal, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

- 31.1 Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Employer will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").
- 31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted. However, the lowest evaluated bidder may further reduce the Bid Price voluntarily without compromising the quality/ quantity.
- 31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Employer and the bidder till signing of the formal Contract Agreement.
- 31.4 Upon furnishing by the successful bidder of a Performance Security, the Employer will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities. No bid security can be returned without exhausting the grievance period or without finally disposing off the complaint of the non-responsive bidder. However, bid security may be returned earlier if any bidder submits affidavit that he is satisfied with the proceedings and hence his bid security may be returned.

IB.32 Performance Security

- 32.1 The successful bidder shall furnish to the Employer a Performance Security in the form and the amount stipulated in the Bid data sheet and the Conditions of Contract within a period of 14 days after the receipt of Letter of Acceptance. On submission of Performance Security, the bid security of the successful bidder may be returned.
- 32.2 Failure of the successful bidder to comply with the requirements of IB.32.1 or IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. Rule 56 of PPR-14 shall be applicable for performance Security.

IB.33 Signing of Contract Agreement

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

IB.34 General Performance of the Bidders

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

IB.35 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-L to Bid in the Bidding Documents for all procurement contracts exceeding Rupees ten Million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents. Submission of Bids shall be construed as evidence that the bidder has admitted all provisions of the Instruction to the Bidders.

IB.37 PPRA Act, 2009 and PPR-14 will have over-riding effect

PPRA Act, 2009 and PPR-14 as amended up to date will supersede and will have an over-riding effect in case in case of any contradiction with these Instructions, the Contract or any other part of the Bidding Documents.

BID DATA SHEET

Bid Data Sheet

Instructions to Bidders

Clause Reference

1.1 Name and address of the Employer:

Secretary, Punjab Mass Transit Authority

Address: 5th Floor, Arfa Karim Software Park (ASTP), 346-B, Ferozpur Road, Lahore

1.1 Name of the Project: Renovation of Punjab Mass Transit Authority Office

Summary of the Works: Interior renovation/revamping Works of new office including flooring, roofing, painting, iron, wood works, electrical & I.T Works and supply of Furniture & equipment etc. complete in all respects, at 5th floor of Imperium Hospitality Building, Gulberg, Lahore.

2.1 Name of the Borrower/Source of Financing/Funding Agency:

Source of Financing: Self Financing (through own Resources)

2.1 Amount and type of financing:

6.3 The following text as 6.3 is added after IB 6.2:

The bidder or his authorized representative shall visit and inspect the site of the Works including the areas and surroundings to be used for Contractor's Camp, on his own responsibility and at his own expense, and obtain all the information from his own sources, which may be necessary for preparing the Bid. The Employer may assist but will not take any responsibility for the supply or correctness of the information.

The Bidder shall, before submitting his Bid, satisfy himself in all respects including the following:

- a) The existing facilities in the vicinity of the Site of Work, the hydrological and climatological conditions, the form and nature of the Site of Work.
- b) The quantities and nature of the work and materials necessary for completion of the Works.
- c) The means of access to the Site of the Work and exit from the Site.
- d) The available accommodation on land for Contractor's Camp within or outside the Site of Work.
- e) All necessary information as to risks, contingencies and other circumstance, which may influence or affect the tender:
- f) The type and nature of soil existing in area of Work.
- g) The existing condition at Site.

Each Bidder shall also enquire and satisfy himself as to the source, the quantity of supply, sufficiency of and the means of obtaining and transporting all plant, material, labor, fuel water, electricity and other matters or things required for on in connection with the Works.

In preparing the Bid, Bidders shall also consider his obligation to adequately store all materials and maintain existing facilities and all temporary Works during the period of their usage.

The Bidder must make local inquires as to the physical conditions prevailing at the site and obtain his own information on all matters and things that may in any way influence him in making a Bid and fixing the rates in the Bill of Quantities. He must also satisfy himself as to the risks, obligations and responsibilities to be undertaken in accordance the Contract to be entered into by him should his Bid be accepted.

The Bidders shall make his own investigations, enquiries and assessments, on all matters, of all conditions of existing constructions at the site and its vicinity, to his satisfaction before submitting his bid.

Prior approval shall be taken by the Bidders for inspection of the Site. The Contact person for the purpose is:

(Name of Secretary)

Mr. Hafiz Muhammad Salman Tanveer, Secretary, PMA,
Lahore.

Phone No. 04299028000

8.1 Clause IB 8 is deleted and replaced with following:

8.1 Any prospective bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Employer through e-PADS. The Employer will respond to any request for clarification which he receives through e-PADS 7 days prior to the deadline for submission of bids. Employer's response will be uploaded on e-PADS.

9.2 Sub-Clause IB 9.2 is deleted and replaced with following:

Any addendum thus issued shall be part of the Bidding Documents pursuant to IB 7.1 hereof and shall be uploaded on e-PADS, at least three (03) days prior to the closing date of submission of the bid.

10.1 Bid language:

English

11.1 Sub-Clause IB 11.1 is deleted and replaced with following:

The Bid shall comprise two envelopes (encrypted packages) submitted simultaneously, one called the Technical Bid and the other the Financial Bid, containing the documents listed in Bid data sheet under the heading of IB 11.1 A & B respectively. Each bidder shall furnish all the documents as specified in 11.1 A & B below.

11.1(A) The Bidder shall submit with its Technical Bid the following documents:

- (a) Letter of Technical Bid
- (b) Bid Security (IB.15)
- (c) Written confirmation authorizing the signatory of the Bid to commit the Bidder (IB.18.5)
- (d) Pending litigation information
- (e) Certificate that the bidder is not currently blacklisted by the Procuring Agency
- (f) Special Stipulations (as filled by the Employer) (Appendix-A)
- (g) Proposed Construction Schedule (Appendix-E)
- (h) Method of Performing the Work (Appendix-F)
- (i) Availability of Critical Equipment (Appendix-G)
- (j) Construction Camp and Housing Facilities (Appendix-H)
- (k) List of Sub-contractors (Appendix-I)
- (l) Organization Chart for Supervisory Staff (Appendix-K)
- (m) Integrity Pact (Appendix-L)
- (n) Financial Competence and Access to financial Resources (Appendix-M)
- (o) Past Performance, Current Commitment, Qualification and Experience (Appendix-N)

11.1(B) The Bidder shall submit with its Financial Bid the following documents:

- (a) Letter of Financial Bid
- (b) Foreign Currency Requirements (Appendix-B)
(If required and only in case of International Bidding)
- (c) Price Adjustment under Clause 70 (Not Applicable) (Appendix-C)
- (d) Bill of Quantities (Appendix-D)
- (e) Estimated Progress Payments (Appendix-J)

11.2 Following sub-paragraph (f) is added:

Maximum number of joint venture partners shall be “three (03)”. The lead partner of the joint venture (i.e., partner-in-charge) must have financial share of more than 50 % under the JV Agreement.

12.2 Add the following paragraph at the end of IB 12.2:

The bidder, by the act of submitting a bid, acknowledges that he has inspected the Site of Works and determined the general characteristics and conditions. The Employer will not assume any responsibility for information, interpretations and deductions the bidder may make from the information furnished by the Employer. No verbal agreement or conversation with any officer, employee or agent of the

Employer either before, during or after the execution of the Contract, shall affect or modify any of the terms or obligations contained in the Contract.

12.3 Add the following paragraph at the end of IB 12.3:

The attention of the Bidder is drawn to the fact that local regulations require special formalities to be complied with in connection with the ordering, purchasing and importing of materials from outside Pakistan. Bidder will be deemed to have obtained full information about all such matters and to have allowed in his Bid for all delays, additional costs and financing charges that may arise directly or indirectly there from. Any neglect or failures on the part of the Bidder to obtain reliable information on the spot or elsewhere upon the foregoing or any other matters affecting the execution and completion of the Works, the rates, total amount and the Contract shall not relieve the Bidder whose Bid is accepted from any risks or liabilities or from the responsibility of completing and handing over the works.

The rates and prices set down by the Bidders against all the items in the Bill of Quantities are to be the full inclusive value of the finished work described there under and shall be deemed to include all costs of performing the Works including all taxes and duties, profits and costs of accepting the general risks, liabilities and obligations of every kind set forth or implied in the Contract.

13 Text under IB 13.1 and 13.2 is deleted in entirety and replaced with following:

13.1 The bid price shall be quoted by the bidder entirely in Pak rupees. All payments under the Contract shall be made in Pak rupees only.

14.1 Period of Bid Validity:

90 days after the Date of Technical Bid Opening

15.1 Amount of Bid Security:

As stated in the Invitation for e-Bids

15.1 Following is added in continuation of Sub-Clause IB 15.1

The bidder shall upload soft copy of the Bid Security on e-PADS and shall submit hard copy of the Bid Security at the Employer's address stated in the Invitation for e-Bids in conformity with Regulation 8(6) of Punjab Procurement Regulations 2024.

17.1 Venue, time, and date of the pre-Bid meeting:

As stated in the Invitation for e-Bids

18.4 Sub-Clause IB 18.4 is deleted and replaced with following:

The Bidder shall prepare the Technical Bid and the Financial Bid comprising the Bid as described in Bid data sheet against IB 11 and clearly mark it "TECHNICAL BID" and "FINANCIAL BID".

- 19 Clause IB 19 is deleted and replaced with following:
- 19.1 Each bidder shall submit his bid in “pdf format” on e-PADS through the system and the bidders shall encrypt those entries electronically separately in the form of two encrypted packages i.e. technical bid and price bid respectively.
- 19.2 The technical bid should comprise of documents listed in IB11.1 (A) & the price bid should comprise of documents listed in IB 11.1 (B).

- 20.1 Sub-Clause IB 20.1 is deleted and replaced with following:

Bids must be uploaded by the Bidders online through e-PADS no later than the deadline for submission of Bids as stated in the Invitation for e-Bids.

- 21 Clause IB 21 is deleted and replaced with following:

- 21.1 Bid cannot be uploaded on e-PADS after the deadline for the submission of bids.

- 22.1 Sub-Clause IB 22.1 is deleted and replaced with following:

The Bidders shall have the option to modify or withdraw the Bid after electronic submission provided that such modification or withdrawal is done through e-PADS prior to the deadline for submission of e-bids.

22.2 Sub-Clause IB 22.2 is deleted

23.1 Venue, time, and date of Bid opening: As stated in the Invitation for e-Bids

23.2 Sub-Clause IB 23.2 is deleted

23.3 Sub-Clause IB 23.3 is deleted

23.4 Sub-Clause IB 23.4 is deleted

23.5 Sub-Clause 23.5 is deleted and replaced with following

The Technical Bids shall be opened one at a time, and the following read out and recorded:

- (a) the name of the Bidder;
- (b) the presence of a Bid Security, if required; and
- (c) Any other details as the Employer may consider appropriate.

Only Technical Bids read out and recorded at bid opening, shall be considered for evaluation.

In case e-Bid including entries and record submitted on e-PADS found corrupt, unreadable or contains virus, then such e-Bid shall be rejected pursuant to Regulation 8 (4) of Punjab Procurement Regulations 2024.

- 23.9 Sub-Clause 23.9 is deleted and replaced with following

The Employer shall upload the technical evaluation report at least 5 days prior to the opening of Financial Bids on the e-PADS and PPRA website. The Financial Bid of the technically non-responsive bidders shall remain unopened in the e-PADS as per rule 38(2)(a)(vii) of PPR-14.

- 23.11 Sub-Clause 23.11 is deleted and replaced with following

All encrypted envelopes containing Financial Bids shall be opened one at a time and the following read out and recorded:

- (a) The name of the Bidder;
- (b) The Bid Prices, including any discounts; and
- (c) Any other details as the Employer may consider appropriate.

Only Financial Bids and discounts, read out and recorded during the opening of Financial Bids shall be considered for evaluation.

In case e-Bid including entries and record submitted on e-PADS found corrupt, unreadable or contains virus, then such e-Bid shall be rejected pursuant to Regulation 8 (4) of Punjab Procurement Regulations 2024.

32.1 Text "14 days" stated in the first paragraph of IB 32.1 is deleted and replaced with "7 days"

32.1 Standard form and amount of Performance Security:

The Performance Security shall be equal to an amount of 10% of the Contract Price stated in the Letter of Acceptance in the favor of the Employer. Such Security shall be in the form acceptable to the Employer of either (a) unconditional, irrevocable Bank Guarantee from any Scheduled Bank of Pakistan acceptable to the Employer or (b) CDR or Demand Draft from a scheduled Bank in Pakistan to the Employer valid for a period till 28 days after the date of issue of Defect Liability Certificate.

**LETTERS OF TECHNICAL BID / FINANCIAL BID,
AND
APPENDICES TO BID**

Letter of Technical Bid

Date:

Bid Reference: Renovation of Punjab Mass Transit Authority Office

To:

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB). Complete bidding document is binding upon us and we fully understand that the PPRA Act, 2009 and the PPR-14 and Punjab Procurement Regulations 2024 as amended upto date supercedes this bidding document, in case of any contradiction, and the same are also binding upon us;
- (b) We, including any Subcontractors for any part of the Contract, have no conflict of interest, and are not debarred/ blacklisted by the Employer, any Government/Semi Government/Public Department in Pakistan or foreign country, international organizations or other foreign institutions.
- (c) We offer to execute and complete in conformity with the Bidding Documents the following Works:.....
- (d) Our Bid consisting of the Technical Bid and the Financial Bid shall be valid for a period of days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) As security for due performance of the under takings and obligations of our bid, we submit here with a Bid security, in the amount specified in Bid data sheet, which is valid (at least) 30 days beyond validity of Bid itself.
- (f) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process.
- (g) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bid data sheet.

Name

.....
.....
.....

In the capacity of

Signed

Duly authorized to sign the Bid for and on behalf of

Date

Address.....

Letter of Financial Bid

Date:

Bid Reference: Renovation of Punjab Mass Transit Authority Office

To:.....

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB)9;
- (b) The total price of our Bid, excluding any discounts offered in item (c) below is:.....
- (c) The discounts offered and the methodology for their application are:.....
- (d) Our Bid shall be valid for a period of.....days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.
- (g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bid data sheet.
- (i) If awarded the contract, the person named below shall act as Contractor's Representative.

Name

In the capacity of

Signed

.....

Duly authorized to sign the Bid for and on behalf of

Date

Address.....

BA-1

**Appendix-A to Bid
 Special Stipulations
 Clause
 Conditions of Contract**

The stipulations outlined hereunder in the form of a table summarize certain terms and conditions which are set forth in the General Conditions of Contract and special provisions and these stipulations form an integral part of the Contract.

1.	Engineer's Authority to issue Variation in emergency	2.1	2% of the Contract Price stated in the Letter of Acceptance.
2	Variation	2.1(b) (viii)(b)	No approval is required by the engineer if the amount needed is up to or less than Rs.2,000,000 (Two million only)
3.	Law applicable	5.1(b)	The relevant laws applied in the province of the Punjab, Pakistan
4.	Amount of Performance Security	10.1	10% of Contract Price stated in the Letter of Acceptance.
5.	Time for Furnishing Programmed	14.1	Within 07 days from the date of receipt of Letter of Acceptance.
6.	Minimum amount of Third-Party Insurance	23.2	As stipulated in Sub-Clause 23.2 of the Particular Conditions of Contract.
7.	Time for Commencement	41.1	Within five days from the date of receipt of Engineer's Notice to Commence which shall be issued within seven (07) days after signing of Contract Agreement.
8.	Time for Completion	43.1, 48.2	60 calendar days from the date of receipt of Engineer's Notice to Commence. Not Applicable
9.	a) Amount of Liquidated Damages	47.1	0.1 % of the Contract Price stated in the Letter of Acceptance for each day of delay in completion of the Works subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance.
	b) Amount of Bonus	47.3	Not Applicable
10.	Defects Liability Period	49.1	180 Days from the effective date of Taking Over Certificate.
11.	Percentage of Retention Money	60.2	5 % of the verified amount of Interim Payment Certificates/running bills made to the Contractor(s).
12.	Limit of Retention Money	60.2	5 % of Contract Price stated in the Letter of Acceptance or the value of the total work done.
13.	Minimum amount of Interim Payment Certificates (Running Bills)	60.2	PKR 3,600,000/- Rupees three million six hundred thousand after verification by the Engineer

14.	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Employer.	60.10	10 calendar days
15.	Mobilization Advance (Interest Free)	60.12	Interest free Mobilization advance equivalent to ten (10) % of the Contract Price stated in the Letter of Acceptance in single installment, against bank guarantee(s) from a scheduled bank in Pakistan

BB-1

**Appendix-B to Bid
Foreign Currency Requirements**

Not Applicable

Appendix-C to Bid
Price Adjustment Under Clause 70 of Conditions of Contract

Not Applicable

Appendix-D to Bid
General Preamble and Bill of Quantities
Refer to Volume 2 (Bill of Quantities)

GENERAL PREAMBLE

1. The Bill of Quantities shall be read with the Form of Bid (Technical & Financial), Instructions for Bidders, Conditions of Contract, Specification, Drawings and other documents forming part of the Bidding Documents.
2. The quantities in the Bill of Quantities are estimated only. They are given so that Bidders bids can both be made out and compared on an equal basis with absolutely no guarantee that such quantities will in fact be required. The Employer reserves the right to either reduce or increase the quantities of work under the Contract and any such reduction or increment in quantities shall not vitiate the Contract. Payment under the Contract will be made on the actual quantity of Work Done at the Unit rates entered into the Bill of Quantities.
3. The prices and rates inserted by the Bidders shall be deemed to be the full inclusive value of the work described under several items in the Bill of Quantities including all direct and indirect costs, expenses, custom duties, sales taxes, local and federal taxes, insurance, port and octroi charges, that may be required for the execution, completion and maintenance of Works referred to herein-before, together with all risks, Government taxes, liabilities, contingencies and obligations imposed or implied by each and every one of the Bidding Documents, except for where explicitly mentioned otherwise.
4. The rates quoted in the Bill of Quantities shall be fixed and unchangeable.
5. Proprietary items and trade names are used for the purpose of establishing a standard of "kind, quality and function". Equal, equivalent, acceptable, satisfactory, proper or other general qualifying terms used will not mean "similar" but express "conforming to, of like kind, quality and function". It shall be understood to mean that the reference is made to the ruling and the judgment of the Employer.
6. A rate or price shall be quoted against each item in the Bill of Quantities whether quantities are stated or not. Items against which no rate or price is entered shall be deemed to be covered by other rates or prices in the Bill of Quantities.
7. The quantity of each item of work in the Bill of Quantities executed by the Contractor according to the Contract shall be measured NET in the unit given in the Bill of Quantities relating to such quantity.
8. If some of the manufactured materials are produced in Metric System in which case nearest dimension in inches will be acceptable.
9. Water and electricity for the execution of Works shall be arranged by the Contractor at his own cost and expense.
10. No material, required for execution of the Works shall be supplied or arranged by the Employer. It shall be the responsibility of the Bidder to procure all materials required for the timely completion of the Works.
11. The rates and prices inserted in the Bill of Quantities include, the following: -
 - i. All the liabilities, obligations, contingencies and risks imposed by Bidding Documents. Strict compliance with the technical specifications, general option of work and materials.
 - ii. The cost and expenses of all works and of all services necessary for the due execution and completion of the Works and remedying of any defects therein.
 - iii. These shall include temporary works, erection and supply and use of plant and provision of appliances, materials, and fuel etc., transport, labor and supervision. setting out and for cleaning roads within and adjacent to the Site.
 - iv. The Temporary diversion of mains, services, apparatus and appurtenances, if any.
 - v. Making due allowance for the effect on the phasing of the work of diversions and alterations to the satisfaction of the Employer.
 - vi. Protecting and supporting during the progress of the Works all pipes, ducts, mains, cables, other apparatus and appurtenances, whether shown on the Drawings or not which may be endangered by construction activity.

Appendix-E to Bid
Proposed Construction Schedule

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of the whole of the Works and parts of the Works may meet Employer's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

Description

Time for Completion

a) Whole Works

60 calendar days

Appendix-F to Bid Method of Performing the Work

The Bidder is required to submit a narrative outlining the method of performing the Work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart for which the Bidder propose to create for satisfactory execution of the Works. The shall indicate the details of personnel employed or proposed to be employed on site by the Bidder for completion of the Works.
2. Site Mobilization, the type of facilities including personnel accommodation, provision for maintenance and for storage, communications, security and other services to be used.
3. The method of executing the Works and transportation of equipment and materials to the site.
4. Quality control / Quality assurance measures to be adopted including procedures to be followed for carrying out all tests required under specifications.

Appendix-G to Bid
List of Major Equipment – Related Items

The Bidder will provide a list of all major equipment and related items, which the Bidder proposes to use for satisfactory and timely execution of the Works.

LIST OF MAJOR EQUIPMENT

Sr. No.	Description of Unit	Condition	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5
1				
2				
.....				

Appendix-H to Bid Construction Camp and Housing Facilities

The Contractor in accordance with Clause 34 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation
2. Provision of Services.
 - a) Power (expected power load, etc.).
 - b) Water (required amount and system proposed).
 - c) Sanitation (sewage disposal system, etc.).
3. Construction of Facilities
 - a) Contractor's Office. Workshop and Work Areas. (area required, type of construction and layout).
 - b) Warehouses and Storage Areas (area required, type of construction and layout).
4. Other Items Proposed (Security services, etc.). The Contractor should follow environmental measures for the project as per EPA rules.

**Appendix-I to Bid
List of Subcontractors**

I/We intend to subcontract the following parts of the Work to subcontractors. In my/our opinion, the subcontractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Part of Works (Give Details)	Subcontractor (With Bio-data, Detailed Particulars, Complete Address)
1	2

Appendix-J to Bid
Estimated Progress Payments (To be submitted with Financial Bid only)

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Programme of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

Period	Amounts (Million PKR.)
1	2
1 st Month	
2 nd Month	
Bid Price	

Appendix-K to Bid
Organization Chart for The Supervisory Staff and Labour

The Bidder to provide details of the required key personnel specified in Appendix-N using the following forms:

Form PER – 1: Proposed Personnel

Bidder should provide the details of the proposed personnel and their experience record in the relevant Information Forms below for each candidate:

1.	Project Manager
	Name
2.	Site Incharge (Civil)
	Name
3.	Supervisor (Civil)
	Name
4.	Quantity Surveyor
	Name
5.	Surveyor
	Name

Form PER – 2: Resume of Proposed Personnel

The Bidder shall provide all the information requested below. Use one form for each position.

Position	
Personnel information	Name
	Date of birth
Professional qualifications	
Present employment	Name of employer
	Address of employer
	Telephone
	Contact (manager / personnel officer)
	Fax
E-mail	
Job title	Years with present employer

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

From	To	Company/Project/Position/Relevant Management Experience	Technical and

**Appendix-L to Bid
Integrity Pact (To be submitted with Financial Bid only)**

**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 No. _____ Dated _____
Contract Value: _____
Contract Title: _____

.....[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 the Punjab (GoPb) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoPb 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, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural 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 consultation 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 GoPb, 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 GoPb and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, 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 rights and remedies available to GoPb under any law, contract or other instrument, be voidable at the option of GoPb.

Notwithstanding any rights and remedies exercised by GoPb in this regard, [name of Supplier] agrees to indemnify GoPb for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoPb 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 GoPb.

Name of Employer:

Name of Contractor:

Signature:

Signature:

[Seal]

[Seal]

**Appendix-M to Bid
Financial Competence and Access to Financial Resources**

The financial position of the bidder shall be checked as per following details:

1. SOUNDNESS AND ACCESS TO FINANCIAL RESOURCES:

“The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credits, and other financial means, other than any contractual advance payments, to meet the financial requirements of the contract in the amount of his bid. As a minimum, the Bidder must show that his resources, in terms of at least his latest year working capital and line of credits, will be adequate to cover an amount equivalent to estimated Price of the works and current work commitments i.e.

$$[5 \times \text{working capital} + \text{General lines of credit} - 40\% \text{ of current contract commitments}] \geq \text{Estimated Price of the works/PC-1 (PKR 36,599,431).}$$

Working capital is the difference between current assets and current liabilities and measures the firm’s ability to generate cash in the short term.” Bidder shall submit last three years (2024-2022) Audited financial statement (audited by independent Chartered Accountant firm).

**Any line of credit indicated for this (tendered) project needs to have been certified by the Bank*

2. AVERAGE ANNUAL TURNOVER

Criteria	Bidders to list their certified yearly turnover for last three years (Audited financial statements for last three years to be uploaded on e-PADS)
Minimum average annual turnover of Pak Rupees [45 million] Calculated as total certified payments received for contracts in progress or completed, within the last three years.	

Note: - In case of JV, all Partners combined shall be evaluated against the criteria requirement of SOUNDNESS AND ACCESS TO FINANCIAL RESOURCES and AVERAGE ANNUAL TURNOVER.

**Appendix-N to Bid
Past Performance, Current Commitment, Qualification and Experience**

1 Eligibility Criteria & Requirements:

Sr. No	Criteria	Requirement	Compliance Requirement				Documentation Uploading Requirements on e-PADS
			Single Entity	Joint Venture			
				All Members Combined	Each Member	One Member	
1	PEC Registration	Registration with Pakistan Engineering Council in Category C-5 or above with specialized codes in CE-10 .	Must meet requirement	Must meet requirement of specialized codes in CE-10	Each Member must be registered with PEC	Lead Member must be registered with PEC in Category C-5 or above with specialized codes in CE-10.	PEC Valid Registration License/Certificate
2	Non-Blacklisting	The bidder must not be blacklisted by the procuring agency	Must meet requirement	Must meet requirement	Must meet requirement	Must meet requirement	Letter of Technical Bid
3	Company/ Firm Registration	Incorporation with Security and Exchange Commission of Pakistan or Registrar of Firms as the case may be [NTN Verification along with requisite Affidavit of sole-proprietorship in case of Sole-Proprietor.]	Must meet requirement	Must meet requirement	Must meet requirement	Must meet requirement	Certificate from SECP/ Registrar of Firms/ NTN Verification along with requisite affidavit
4	Registration with Tax Authorities	Registration and active status with Tax Authorities (FBR & PRA) in Pakistan	Must meet requirement	Must meet requirement	Must meet requirement	Must meet requirement	Certificate and current status from Tax Authorities
5	Conflict of Interest	No conflict of Interest as per IB.3	Must meet requirement	Must meet requirement	Must meet requirement	Must meet requirement	Letter of Technical Bid
6	One Bidder	Each Bidder shall submit only	Must meet	Must meet	Must meet	Must meet	

Sr. No	Criteria	Requirement	Compliance Requirement				Documentation Uploading Requirements on e-PADS
			Single Entity	Joint Venture			
				All Members Combined	Each Member	One Member	
	per Bid	one Bid either by himself, or as a partner in a joint venture.	requirement	requirement	requirement	requirement	

The Bidder must meet the Eligibility Criteria & Requirement to be declared responsive.

2 Detailed Qualification Criteria & Requirements

The Bidders to be substantially responsive must score at least 65 marks overall and minimum 50 % score in each category as specified below:

Sr. No.	Category	Weightage/Marks	Minimum Required Score
1.	Working Experience	60	30
2.	Personnel Capabilities	40	20
Total:		100	65

Note: The qualifications of other firms such as the bidder's subsidiaries, parent entities, affiliates or subcontractors shall not be permitted

2.1 Working Experience (Total 60 Marks)

Credit Marks for working experience shall be awarded on the basis of following qualifications:

Sr. No	Criteria	Requirement	Maximum Points	Documentation Submission Requirements
.				

Sr. No	Criteria	Requirement	Maximum Points	Documentation Submission Requirements
1	Contracts of Similar Nature and Complexity	02 number of successfully executed contracts, each of value of at least PKR (28 Million) , completed after January 01, 2018 for the Construction/Revamping/Renovation of Commercial & Residential Buildings. Note: In case the bidder is a Joint Venture, the working experience of leader of the Joint Venture shall be evaluated.	60 marks (30 marks for each successfully executed contract)	Completed attached Form For Contracts of Similar Nature and Complexity. The bidder must upload Project Award Letter, Work Orders or Contract Agreement & completion Certificates and other documents necessary for confirming scope of works. The bidder must upload joint venture agreement in case of projects completed as a partner of joint venture clearly showing scope of works and percentage share of all partners of joint venture. To comply with the criteria, the share of bidder under the joint venture for similar works must be equal or exceeding the qualification criteria and requirement.
Sub-total:			60 marks	
<p>Note;</p> <ul style="list-style-type: none"> In case of contracts executed by the bidder in form of JV or subcontractor, the role of the bidder based on scope and financial share shall be considered to evaluate the criteria requirement. 				

2.2 Personnel Capabilities (Total 40 Marks)

Sr. No.	Personnel	Required Number	Maximum Marks	Criteria for Evaluation	Documentation Submission Requirements
1	Project Manager <ul style="list-style-type: none"> BSc Civil Engineering registration with PEC as Registered Engineer 	01	15 marks	Marks for a personnel shall be pro-rated.	Details of each personnel to be provided on specified format under Appendix-K of the Bidding

Sr. No.	Personnel	Required Number	Maximum Marks	Criteria for Evaluation	Documentation Submission Requirements
	<ul style="list-style-type: none"> At least 5 years' of professional experience of infrastructure works 			No marks will be awarded for a personnel not fully meeting any of the corresponding criteria requirement.	Documents Documentary evidence of relevant PEC registration, qualification and experience
2	Site Incharge (Civil) <ul style="list-style-type: none"> DAE Civil At least 3 years' of professional experience of infrastructure works 	01	10 marks		
3.	Supervisor (Civil) <ul style="list-style-type: none"> Diploma in Civil (DAE) at least 3 years' experience of infrastructure works 	01	05 marks		
4.	Quantity Surveyor <ul style="list-style-type: none"> Diploma (DAE)/Relevant Certification at least 3 years' experience of infrastructure works estimation 	01	05 marks		
5.	Surveyor <ul style="list-style-type: none"> Diploma (DAE)/Relevant Certification at least 3 years' experience of infrastructure works 	01	05 marks		
Sub-total:			40 marks		
<p>Note;</p> <ul style="list-style-type: none"> In case the bidder is a Joint Venture, the personnel capabilities of all members combined shall be evaluated. 					

The Bidder must meet the Qualification Criteria & Requirements to be declared responsive.

Form for Contracts of Similar Nature and Complexity

Name of Bidder or partner of a joint venture
--

Use a separate sheet for each contract.

1	Name of Contract
	Country
2	Name of Employer
3	Employer Address
4	Nature of works and special features relevant to the contract
5	Contract Role (Tick One) (a) Sole Contractor (b) Sub- Contractor (c) Partner in a Joint Venture
6	Value of the total contract (in specified currencies) at completion, for current contract Currency: PKR
7	Contract cost at completion in Pak/Rs.....
8	Date of Award.....
9	Date of Completion.....
10	Contract Duration (Years and Months) _____ Years _____ Months

Form for Annual Construction Turnover

Annual Construction Turnover	
Year	Turnover (PKR)
2024-2023	
2023-2022	
2022-2021	

Note: In case of Joint Venture, each member shall provide separate form.

Form for Current Commitment

Present Commitment								
Sr No.	Name of ongoing project(s)	Name of Employer	Date of		Progress		Remarks regarding delays if applicable	Satisfactory performance certificate from employer (Minimum requirement)
			Start	Completion	%Age as planned	%Age at actual		
1.								
2.								
3.								
4.								
5.								
6.								

Note: In case of Joint Venture, each member shall provide separate form.

FORMS

BID SECURITY

PERFORMANCE SECURITY

CONTRACT AGREEMENT

MOBILIZATION ADVANCE GUARANTEE/BOND

AND

INDEMNITY BOND FOR SECURED ADVANCE

BID SECURITY
(Bank Guarantee)

Security Executed on _____
(Date)

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

Name of Principal (Bidder) with Address _____

Penal Sum of Security Rupees. _____ (Rs. _____)
Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____
(hereinafter called the 'Employer') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

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

WHEREAS, the Employer has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan, to the Employer, conditioned as under:

- (1) that the Bid Security shall remain in force up to and including the date 30 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Surety is hereby waived;
- (2) that the Bid Security of unsuccessful Bidders will be returned by the Employer after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Employer pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said Employer in accordance with his Bid as accepted and furnish within fourteen (14) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Employer for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

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

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

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

SURETY (Bank)

WITNESS:

1. _____

Corporate Secretary (Seal)

2. _____

Name, Title & Address

Signature _____

Name _____

Title _____

Corporate Guarantor (Seal)

**FORM OF PERFORMANCE SECURITY
(Bank Guarantee)**

No. _____ Guarantee
_____ Executed on
_____ Expiry date

[Letter by the Guarantor to the Employer]

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

Name of Principal (Contractor) with address: _____

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

Letter of Acceptance No. _____ Dated _____

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

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

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

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

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

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

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

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

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

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of _____ (month) 20____ between _____ (hereafter called the "Employer") of the one part and _____ (hereafter called the "Contractor") of the other part.

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

NOW this Agreement witnesseth as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda / Clarification as agreed or otherwise, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Contract, viz:
 - (a) The Contract Agreement;
 - (b) The Letter of Acceptance;
 - (c) The completed Form of Bid (Technical & Financial);
 - (d) Special Stipulations (Appendix-A to Bid);
 - (e) The Special Conditions of Contract – Part II;
 - (f) The General Conditions – Part I;
 - (g) The General Preamble and priced Bill of Quantities (Appendix-D to Bid);
 - (h) The Specifications;
 - (i) The Drawings;
 - (j) The Addenda (if any)
 - (k) The completed Appendices to Bid (B, C, E to N);
 - (l) The Joint Venture Agreement (if applicable)
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.
5. The Employer reserves the right to issue any change, modification, or revision to the drawings, specifications, or scope of work, as may be deemed necessary during execution. In the event that any item or work not included in the Bill of Quantities (BOQ) is required to be executed, the Contractor shall immediately notify the Employer in writing and obtain prior written approval before execution.

The rates for such additional or substituted items shall, as far as practicable, be determined based on the analogous items in the BOQ. Where no such rates exist, the Contractor shall submit a detailed rate analysis for Employer's approval.

No claim for additional payment shall be entertained for any work carried out without prior written approval of the Employer.

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

Designation: _____

Designation: _____

(Seal)

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

MOBILIZATION ADVANCE GUARANTEE
(Unconditional Bank Guarantee)

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 Rupees _____ (Rs _____) 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, _____
(Scheduled Bank in Pakistan acceptable to the Employer)
(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, of which the Employer shall be the sole and final judge, on the part of the Contractor, 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 Rupees _____ (Rs _____).

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

1. Signature _____
2. Name _____
3. Title _____

WITNESS

1. _____

Corporate Secretary (Seal)

2. _____
(Name Title & Address)

Corporate Guarantor(Seal)

**INDEMNITY BOND FOR SECURED ADVANCE AGAINST MATERIALS BROUGHT AT
SITE**

Not Applicable

CONDITIONS OF CONTRACT

PART I: GENERAL CONDITIONS

FIDIC

4th Edition 1987

Reprinted 1988 with Editorial Amendments

Reprinted 1992 with Further Amendments

(To be procured by the Contractor)

Copies of the FIDIC Conditions of Contract can be obtained from:

**FIDIC Secretariat– International Federation of Consulting Engineers
Secretariat Switzerland**

International Federation of Consulting Engineers (FIDIC)

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

Fax: +41 22 799 49 054

Telephone: +41 22 799 49 01

E-mail: fidic@fidic.org

www.fidic.org

PART II: SPECIAL CONDITIONS OF CONTRACT

1.1 Definitions

- (a) (i) The Employer is: **Secretary, Punjab Mass Transit Authority**
- (a) (iv) The Engineer is: To be notified later

, or any other competent person appointed by the Employer, and notified to the Contractor, to act in replacement of the Engineer. Provided always that except in cases of professional misconduct, the outgoing Engineer is to formulate his certifications/ recommendations in relation to all outstanding matters, disputes and claims relating to the execution of the Works during his tenure.

The following paragraph is added:

- (a) (vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or Joint venture submitting a Bid or Tender.
- (b) (v) The following is added at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Documents".

The following paragraph is added:

- (b) (ix) "Programme" means the programme to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.
- (e) (i) The text is deleted and substituted with the following:

"Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions there from as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

2.1 Engineer's Duties and Authority

With reference to Sub-Clause 2.1(b), the following provisions shall also apply:
The Engineer shall obtain the specific approval of the Employer before carrying out his duties in accordance with the following Clauses. The Employer may further vary according to need of the project;

- (i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 "Subcontracting".
- (ii) Certifying additional cost determined under Sub-Clauses 12.2 "Not Foreseeable Physical Obstructions or conditions"
- (iii) Any action under Clause 10 "Performance Security" and Clauses 21,23,24 & 25 " Insurance" of sorts.
- (iv) Any action under Clause 40 "Suspension"
- (v) Any action under Clause 44 "Extension of Time for Completion"

- (vi) Any action under Clause 47 “Liquidated Damages for Delay” or payment of Bonus for Early Completion of Works (SCC Sub-Clause 47.3)
- (vii) Issuance of “Taking over Certificate” under Clause 48.
- (viii) Issuing a Variation Order under Clause 51 except:
 - a) in an emergency* situation, as stated here below, or
 - b) if such variation would increase the Contract Price by the amount stated in the Appendix-A to Bid.
- (ix) Fixing rates or prices under Clause 52.
- (x) Extra payment as a result of Contractor’s claims Clause
- (xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 “Payment of Retention Money”.
- (xii) Issuance of “Final Payment Certificate” under Sub-Clause 60.8.
- (xiii) Issuance of “Defect Liability Certificate” under Sub-Clause 62.1.
- (xiv) Any change in the ratios of Contract currency proportions and payments thereof under clause 72 “Currency and Rate of Exchange”.

* (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities 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 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 52 and shall notify the Contractor accordingly, with a copy to the Employer.)

2.2 Engineer’s Representative

Add the following paragraph:

The Employer shall ensure that the Engineer’s Representative is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976).

The following Sub-Clauses 2.7 and 2.8 are added:

2.7 Engineer Not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works. However, the

Engineer shall also be held responsible for his unlawful, non-factual and unreasonable decisions.

2.8 Replacement of the Engineer

“If the Employer intends to replace the Engineer, the Employer shall, not less than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer.”

5.1 Language(s) and Law

- (a) The Contract Documents shall be drawn up in the English language.
- (b) The Contract shall be subjected to the Laws of Islamic Republic of Pakistan

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

- (1) The Contract Agreement;
- (2) The Letter of Acceptance;
- (3) The completed Forms of Bid (technical & Financial);
- (4) Special Stipulations (Appendix-A to Bid);
- (5) The Special Conditions of Contract – Part II;
- (6) The General Conditions – Part I;
- (7) The priced Bill of Quantities (Appendix-D to Bid);
- (8) The Drawings;
- (9) The completed Appendices to Bid (B, C, E to L);
- (10) The Specifications; and
- (11) The Joint Venture Agreement, if applicable.

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

The following Sub-Clauses 6.6 and 6.7 are added

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

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

10.1 Performance Security

The text is deleted and substituted with the following:

The Contractor shall provide Performance Security to the Employer in the prescribed form. The said Security shall be furnished or caused to be furnished by the Contractor within 30 days after the receipt of the Letter of Acceptance. The Performance Security shall be of an amount equal to 10% of the Contract Price stated in the Letter of Acceptance. Such Security shall, at the option of the bidder, be in the form of either (a) bank guarantee of the specified form from any Scheduled Bank in Pakistan or (b) CDR/ Demand Draft from any Scheduled Bank in Pakistan.

The cost of complying with requirements of this Sub-Clause shall be borne by the Contractor.

The following Sub-Clause 10.4 is added:

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

14.1 Programme to be Submitted

The programme shall be submitted within 07 days from the date of receipt of Letter of Acceptance, which shall be in the form of approve by the Engineer:

- i) a CPM identifying the critical path/activities.

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 7 days from the date of receipt of Letter of Acceptance.

The following Sub-Clause 14.5 is added:

14.5 Detailed Programme and Monthly Progress Report

- a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer and the Employer, the detailed programme for the following:
 - (1) Execution of Works;
 - (2) Labour Employment;
 - (3) Local Material Procurement;
 - (4) Material Imports, if any; and
 - (5) Other details as required by the Engineer.
- (b) During the period of the Contract, the Contractor shall submit to the Engineer, the Employer and the Administrative Department, not later than the 8th day of the

following month, 03 copies each of Monthly Progress Reports covering with a copy to the employer:

- (1) A Construction Schedule indicating the monthly progress in percentage;
 - (2) Description of all work carried out since the last report;
 - (3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his programme of inspection and testing;
 - (4) Monthly summary of daily job record;
 - (5) Photographs to illustrate progress; and
 - (6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.
- (c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer, the Employer and the Administrative Department, as and when requested. The daily record shall include particulars of weather conditions, number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

The following Sub-Clauses 15.2 and 15.3 are added:

15.2 Language Ability of Contractor's Representative

The Contractor's authorised representative shall be fluent in the English language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis.

15.3 Contractor's Representative

The Contractor's authorised representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council.

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

The following Sub-Clauses 16.3 and 16.4 are added:

16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a working knowledge of the English language. If the Contractor's superintending staff are not fluent in English language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labour from sources within Pakistan.

The following Sub-Clauses 19.3 and 19.4 are added:

19.3 Safety Precautions

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 authorise 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 make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Work at Night

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's Representative.

20.4 Employer's Risks

The Employer's risks are:

Delete the text and substitute with the following:

- (a) insofar as they directly affect the execution of the Works in Pakistan:
 - (i) war and hostilities (whether war be declared or not), invasion, act of foreign enemies,
 - (ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,
 - (iii) ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,
 - (iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,
 - (v) riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;
- (b) loss or damage due to the use or occupation by the Employer of any Section or part of the Permanent Works, except as may be provided for in the Contract;
- (c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; [For all those projects where funding is available, the Design Consultants shall be made responsible for any design faults. It shall be ensured that the Design Consultants remain available for Top Supervision and rectification of any subsequent faults/ issues till the successful completion of the project/ closing of the contract including defect liability period if any];
- (d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:

- (i) could not have reasonably foreseen, or
- (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:
 - (a) prevent loss or damage to physical property from occurring by taking appropriate measures, or
 - (b) insure against.

21.1 Insurance of Works and Contractor's Equipment

In the first line of Sub-Clause 21.1 add "prior to Commencement of the Works" after "The Contractor shall", and add "in the joint names" after "insure" in second line.

After paragraph (c), add new paragraph (d) as follows:

- d) Such insurance shall provide for compensation to be payable in the types and proportions of currencies needed to cover the loss or damage incurred.

21.4 Exclusions

The text is deleted and substituted with the following:

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 paras (a) (i) to (iv).

The following Sub-Clause 25.5 is added:

25.5 Insurance Company

The Contractor shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company having at least AA rating from PACRA/JCR operating in Pakistan and acceptable to the Engineer/Employer.

Costs of such insurances shall be borne by the Contractor.

The following Sub-Clause 31.3 is added:

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other contractors working for the Employer at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other contractors.

The following Sub-Clauses 34.2 to 34.12 are added:

34.2 Rates of Wages and Conditions of Labour

The Contractor shall pay rates of wages and observe conditions of labour not less favourable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labour so established, the Contractor shall pay rates of wages and observe conditions of labour which are not

less favourable than the general level of wages and conditions observed by other employers whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labour from amongst the persons in the services of the Employer or the Engineer; except with the prior written consent of the Employer or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract, these facilities shall be handed over to the Employer or if the Employer so desires, the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

34.6 Epidemics

In the event of any outbreak of illness of an 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 purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid.

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognised festivals, days of rest and religious and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighborhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

The following Sub-Clauses 35.2 and 35.3 are added:

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means.

The following Sub-Clause 36.6 is added:

36.6 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.

41.1 Commencement of Works

The text is deleted and substituted with the following:

The Contractor shall commence the Works on Site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

The following Sub-Clause 47.3 is added:

47.3 Bonus for Early Completion of Works (Not Applicable)

The Contractor may, in case of earlier completion for either whole or part(s) of the Works pursuant to Sub-Clauses 48.1 and 48.2(a) respectively of the General Conditions of Contract, be paid bonus up-to a limit and at a rate equivalent to 50% of the relevant limit and rate of liquidated damages prescribed in Appendix-A to Bid "Special Stipulations"; provided such provision is given in project approval documents/Appendix-A to Bid "Special Stipulations".

48.2 Taking Over of Sections or Parts (Not Applicable)

For the purposes of para (a) of this Sub-Clause, separate Times for Completion shall be provided in the Appendix-A to Bid "Special Stipulations".

51.2 Instructions for Variations

At the end of the first sentence, after the word "Engineer", the words "in writing" are added.

52.1 Valuation of Variations

In the tenth line, after the words "Engineer shall" the following is added:
Within a period not exceeding one-eighth of the completion time subject to a minimum of 56 days from the date of disagreement whichever is later.

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.5 Conditions of Hire of Contractor's Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following Sub-Clauses 59.4 & 59.5 are added:

59.4 Payments to Nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

- a) submits reasonable evidence to the Engineer, or

- b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and
- ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Employer may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Employer, the amount which the nominated Subcontractor was directly paid by the Employer.

60.1 Monthly Statements

In the first line after the word "shall", the following is added:

"on the basis of the joint measurement of work done under Clause 56.1,"

In Para (c) the words "the Appendix to Tender" are deleted and substituted with the words "Sub-Clause 60.11 (a)(6) hereof".

(in case Clause 60.11 is applicable)

60.2 Monthly Payments

In the first line, "28" is substituted by "14".

60.10 Time for Payment

The text is deleted and substituted with the following:

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall, subject to Clause 47, be paid by the Employer to the Contractor within 14 days after such Interim Payment Certificate has been jointly verified by Employer and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 60.8, within 45 days after such Final Payment Certificate has been jointly verified by Employer and Contractor.

The following Sub-Clause 60.11 and 60.12 are added:

60.11 Secured Advance on Materials

Not applicable

60.12 Financial Assistance to Contractor

(a) Financial Assistance shall be made available to The Contractor by The Employer as follows:

MOBILIZATION ADVANCE

- (a) An interest-free Mobilization Advance shall be limited to the maximum of ten (10) % of the sum of the Accepted Contract price stated in the Letter of Acceptance

shall be paid by The Employer to The Contractor in single installment upon submission by The Contractor of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan acceptable to The Employer within 14 days after signing of the Contract Agreement or date of receipt of The Engineer's Notice to Commence, whichever is earlier;

- (b) This Advance shall be recovered from the Interim Payment Certificates in such proportion as directed by The Engineer so that full amount is recovered before the Final payment certificate and the date of completion of the Works as per Clause 43 hereof.

63.1 Default of Contractor

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

Provided further that in addition to the action taken by the Employer against the Contractor under this Clause, the Employer may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time.

65.2 Special Risks

The text is deleted and substituted with the following:

The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

67.3 Arbitration

In the sixth to eight lines, the words "shall be finally settled appointed under such Rules" are deleted and substituted with the following:

shall be finally settled under the provisions of the Arbitration Act, 1940 as amended or any statutory modification or re-enactment thereof for the time being in force.

The following paragraph is added:

The place of arbitration shall be Lahore, Pakistan.

68.1 Notice to Contractor

The following paragraph is added:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Employer and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notice to Employer and Engineer

For the purposes of this Sub-Clause, the respective address are:

- a) The Employer : To be notified later
- b) The Engineer: To be notified later

70.1 Increase or Decrease of Cost

Sub-Clause 70.1 is deleted in its entirety. There is no Price Adjustment under this Contract.

The following Sub-Clauses 73.1, 73.2, 74.1, 75.1, 76.1, 77.1 and 78.1 are added:

73.1 Payment of all taxes/ rates/ fees: Income Tax, Sales tax etc.

The Contractor, Subcontractors and their employees shall be responsible for payment of all applicable (federal & provincial) taxes/ rates/ fees: income tax, sales tax and other taxes/ rates/ fees etc. arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such expenses till the closing of contract, including the defect liability period if any.

73.2 Customs Duty & Taxes

The prices tendered by the Contractor shall include all import license fees, custom duties, excise duties, sales taxes, surcharges, business taxes, income and other taxes that are levied according to the laws and regulations of Pakistan on the Contractor's Equipment, material and supplies (both permanent, temporary and consumable) acquired for the purpose of the Contract and on the services performed under the Contract. Nothing in the Contract shall relieve The Contractor from his responsibility to pay any tax that may be levied in the country on profits made by him in respect of the Contract.

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, 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, agents 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, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Employer under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Employer's Convenience

The Employer shall be entitled to terminate the Contract at any time for the Employer's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor :

- (a) shall proceed as provided in Sub-Clause 65.7 hereof; and
- (b) shall be paid by the Employer as provided in Sub-Clause 65.8 hereof.

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour laws including the Workmen's Compensation Act and the Employer shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

77.1 Joint and Several Liability

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Employer for the fulfilment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Employer.

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Employer or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

**SPECIFICATIONS -
SPECIAL PROVISIONS & TECHNICAL PROVISIONS**

Standard Specifications for Road and Bridge Construction,
C & W, Punjab.

(To be obtained by the Bidders)

An original copy of the above publications to be procured by the successful Contractor and
shall be accordingly incorporated in the Contract Documents.

BIDDING DOCUMENTS

FOR

**RENOVATION OF PUNJAB MASS TRANSIT
AUTHORITY OFFICE**

**PUNJAB MASS TRANSIT AUTHORITY
(GOVERNMENT OF PUNJAB)**



(VOLUME 2)

- BILL OF QUANTITIES (BOQ)

DECEMEBR, 2025

**PMA OFFICE, LAHORE
(RENOVATION OF PMA OFFICE)**

Sr. No	DESCRIPTION	AMOUNT (RS)
1	CIVIL WORKS	A
2	ELECTRICAL WORKS	B
3	FURNITURE AND EQUIPMENT	C
	Net Total PKR	X= A+B+C

CIVIL WORK

Items No.	DESCRIPTION	UNIT	Quantity	Amount
				Rs.
	(DISMANTLING / DEMOLITION)			
1	Dismantling plank or wooden block flooring, etc			
	New Floor	P.sft	6902.55	
2	Dismantling of gypsum board sheet walls as required by the site condition or as directed by the engineer incharge			
	New Floor	P.sft	4500.00	
	CONCRETE			
3	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.			
	New Floor	P.Cft	20.50	
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4			
	New Floor	P.Cft	19.30	
5	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) Type C (nominal mix 1: 2: 4)			
	New Floor	P.Cft	11.81	
6	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-	P.Kg	23.63	
	ROOFING			
7	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer In charge. Only Labor rate Dismantling of False ceiling			
	New Floor	P.Sft	6,387.00	

CIVIL WORK

Items No.	DESCRIPTION		UNIT	Quantity	Amount
					Rs.
8		Providing and fixing Drywall Partition (4" thick) which consist of Gypsum Board sheet screwed to G.I Track U Channel (72mm x 32mmx 32mm x 0.50mm thick) fixed at top & bottom and G.I Studs (C-Channel) size (70mm x 34mm x 36mm x 0.50mm thick) equal vertical interval @ 2' C/C fit within the channel sections to form the frame work, including 12mm gypsum board (confirming to ASTM 1396) on both sides with infill insulation material (rockwool) i/c of jointing compound, self-adhesive fiberglass tape for covering the joints between the drywall panels, corner angle bead, Smart Screws (3.5mm x 25mm), flex metal corner tape, for smooth and homogeneous look, grinding the exposed compound with abrasive paper, complete in all respects, as per specification and as approved by the Engineer incharge.			
		New Floor	P.Sft	4,525.00	
		Existing Floor	P.Sft	3,818.40	
FLOORING					
9		Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints/cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (iv) 600mmx 1200 mm.			
		New Floor	P.Sft	6,387.00	
		Existing Floor	P.Sft	676.08	
10		Providing and laying Prepolished Granite of specified thickness sand shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick			
		New Floor	P.Sft	50.00	
11		Providing and fixing clip in tile (06MM to 0.7MM thick non porous aluminum false ceiling of specied site fitted with clip in suspension system hanged on concealed T/Shiplap edge/runners@ 600mm/ 600mm Grid, edge trims fasten on wall with plug and screw and 50mm center to center i/c cutting changes of tile to required site, suspension rods and joints sealed with silicon if required complete in all respects as approved by the Engineer incharge.			
		New Floor	P.Sft	6,387.00	
		Existing Floor	P.Sft	4116.08	
12		Providing and fixing high performance acoustic wall treatment consisting od sound absorbing core with fabric finished acoustic panels complete with fixing accessories and installation as per approved specifications			
		New Floor	P.Sft	3776.00	
WOOD WORK					
13		Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. (iii) 5.5 " wide			

CIVIL WORK

Items No.	DESCRIPTION	UNIT	Quantity	Amount
				Rs.
	New Floor	P.Sft	91.00	
14	Providing and fixing 24" Deep Box type Wardrobe consisting of 3/4" thick UV coated MDF board(Medium density Fiber board) Sheet both side glazed shutters and box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters / panels / drawers etc., with machine i/c the cost of self closing blum type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge			
	For Store	P.Sft	384.00	
15	Providing and fixing box type Kitchen Cabinet consisting of 3/4"thick both sideLaminated MDF sheet shutter and boxesand back of 3 mm thick laminated MDF sheet i/c the cost of PVC edge binding duly hot pressed on all edges of the shutters /panels etc., with machine i/c the cost of self closing blum type hinges S.S, handles, screws, Glue and rawal plugs, locking arrangement complete in all respect as approved and directed by Engineer Incharge			
	New Floor	P.Sft	94.50	
16	Providing and fixing door stops of 1½" (40 mm) dia rubber block.			
	New Floor	Each	2.00	
17	Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge.			
	New Floor	Each	2.00	
18	Providing and fixing ist class solid wood wrought joinery in paneled and glazed window door and windows of specified thickness with 1" thick solid panels with step and 1-1/2"*1/2" beadings all around the panels i/c the cost of tower bolt and handles complete in all aspects(excluding the cost of sliding bolt, lock and choghats frame as approved and directed by the Engineer Incharge. 2" thick(50mm)			
	New Floor	Psft	56.00	
19	French polishing complete on new work			
	New Floor	Psft	112.00	
20	Providing and fixing high quality uPVC panel doors with choghats complete in all respects and as per drawing with all accessories i-e door lock, tower bolts, hinges etc			
	New Floor	Psft	35.0	
PAINTING AND VARNISHING				
21	Preparing surface and painting with emulsion paint:- a) first coat + b) 2nd and each subsequent coat			
	New Floor	P.Sft	7,164.00	
	Existing Floor	P.Sft	17,077.72	
IRON WORK				
22	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable or approved equivalent manufacturer, having 2 mm thick Frame size D48-A , i/c 12 mm Tempered glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.(Floor hinge will be paid separately)			
	New Floor	P.Sft	671.50	
	Existing Floor	P.Sft	1,096.50	

CIVIL WORK

Items No.	DESCRIPTION		UNIT	Quantity	Amount
					Rs.
23		Providing and fixing 12 mm Tempered Glass Door frameless comprising of aluminium H-section (D48) at bottom, H-type S.S framless handles both side (approved), top pivot hinges, bottom concealed floor machine hinges, s.s patch fitting, D glass door lock (approved) and all the cost of using approved standard fittings, accessories etc. and hardware any required, as shown on drawings, complete in all respect as per Specifications, as approved by the Engineer.			
		New Floor	P.Sft	550.00	
		Existing Floor	P.Sft	644.00	
	CARPET				
24		Provision and installation of Carpet complete in all respects, as approved by the Engineer In-Charge. The work shall include surface preparation, all accessories, fittings and labor to complete the work in accordance with drawings and specifications.			
		New Floor	P.Sft	6387.00	
Total Amount PKR					A

ELECTRICAL WORK

Sr. No.	Description of Items	Unit	Qty	Amount (Rs.)
1	Pvc Pipe			
	Supply and erection of PVC pipe/Ducts for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries b) On Surface i/c clamps			
a	25 mm Dia	Meter	500	
b	50 mm Dia	Meter	100	
2	LT Single Core Cable			
	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc.			
	Note: Following cables are for PE			
	3/0.74mm" (1.5mm ²) S.B-F.P-L.P	Meter	750	
	7/0.74 mm (7/0.029") (2.5mm ²)	Meter	100	
	7/0.91 mm (7/0.036")(4mm ²)	Meter	1,300	
3	Two core, 250/440 volts.			
	Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc			
	7/0.74 mm (7/0.029") (2.5mm ²) DB-SB	Meter	300	
	7/0.91 mm (7/0.036") (4mm ²) D.B-J.B-P.P	Meter	1,500	
4	Single core (Non-armored)			
	Supply and erection of XLPE insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaidd G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc.			
	10 mm sq (7/0.052")	Meter	80	
	16 mm sq (7/0.064")	Meter	160	
5	Cable Tray			
	Providing and fixing 4" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified Guage, size and depth duly supported on painted brackets of MS angle iron of 1- 1/2"x1- 1/2"x3/16" and MS Patti of 1-1/2"x3/16" size @ 3 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. 14SWG 12" x 4"	Meter	120	
6	Cable Tray Cover			
	Providing and fixing screwless cable tray cover fabricated with 18 SWG G.I. Sheet of required size i/c the cost of hardware as approved and directed by the Engineer In charge 12" wide	Meter	120	
7	Switch Board			
	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life/ Bush / Schneider or approved equivalent manufacturer, screws complete as approved and directed by the Engineer In charge			
a	4 GANG 1 WAY SWITCH (Large)	Each	20	
b	6 GANG 1 WAY SWITCH (Large)	Each	5	
8	Switch Sockets			
	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life/ Bush / Schneider or approved equivalent manufacturer, screws complete as approved and directed by the Engineer In charge			
a	Three pin Light Plug 10/13 Amp	Each	7	
b	Three Pin Power Plug 15-32 Amp	Each	24	

ELECTRICAL WORK

Sr. No.	Description of Items	Unit	Qty	Amount (Rs.)
9	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep (i) 20~60A (ii) 75~100A			
	MCCB Breakers (Description)			
10	Supply, installation, testing, and commissioning of MCCB (Molded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. b) Four Pole With Adjustable Thermal-Magnetic Trip/Electronic Trip (40-100%)			
	MCB Breakers (Description)			
11	Supply, installation, testing, and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws, necessary wires complete in all respect as approved and directed by the Engineer In charge			
A	DB-1 Size: 700 x 600 x 200 mm Qty: 01 No	Cft	2.97	
a	32-63 Amp(36 KA) 40Amp FP MCCB (Incoming)	Each	1	
b	6-63 Amp (10 KA) 10 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	5	
c	6-63 Amp (10 KA) 16 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	15	
B	DB-2 Size: 900 x 800 x 250 mm Qty: 01 No	Cft	6.36	
a	32-63 Amp(36 KA) 63 Amp FP MCCB (Incoming)	Each	1	
b	6-63 Amp (10 KA) 40 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	8	
c	6-63 Amp (10 KA) 10 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	5	
d	6-63 Amp (10 KA) 16 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	3	
C	DB-3 Size: 900 x 800 x 250 mm Qty: 01 No	Cft	6.36	
a	32-63 Amp(36 KA) 63 Amp FP MCCB (Incoming)	Each	1	
b	6-63 Amp (10 KA) 40 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	6	
c	6-63 Amp (10 KA) 10 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	6	
d	6-63 Amp (10 KA) 16 Amp SP MCB (Outgoing) (Spare Breakers are included)	Each	3	

ELECTRICAL WORK

Sr. No.	Description of Items	Unit	Qty	Amount (Rs.)
12	Light Fitting Fixtures			
	Supply, installation, connecting and testing of imported lighting fixtures surface/ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light drivers, control units, surge protection devices, earthing terminals and internal wiring, connector, including hangers, brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by Phillips, Thorn, NVC or equivalent.			
a	LED Down light, 15 watts, 220/240 volts, 100 Lm/W or above, 1500 Lumens or above, Color Rendering > 80, Power factor 0.9. Complete in all respect.	Each	10	
c	Vanity/Mirror light fitting with light 9 watt, 1250 lumens or above, Color Rendering > 90, Power factor >0.5. Complete in all respects.	Each	2	
d	LED Down light, 12 watts, 220/240 volts, 100 Lm/W or above, 1200 Lumens or above, Color Rendering Index > 80, Power factor 0.9. Complete in all respect.	Each	4	
g	Surface/Ceiling mounted Panel Light 36 watts, 3800 lumens or above, 106lm/w or better, 220/240 volts, rectangular shaped, Color Redering > 80, PF: 0.9. Complete in all respects.	Each	110	
13	Junction Box			
a	Supply, installation, testing, and commissioning of Junction box IP-56 with wall mounted bracket, 3 cu terminals strips, one incoming cable gland 2c+1c 16mm ² cu/pvc/pvc and 3 outgoing cable glands 2c+1c 4mm ² cu/pvc/pvc for 190x140x70mm ip56 gw 650°C, halogen free grey engineering plastic. Make Approved and Directed by Engineer In charge. Make Scame, ABB, Mitsubishi. EU or USA Manufactured only.	Each	10	
14	POWER AND DATA OUTLET POP-UP Box			
a	Supply, installation, testing, and commissioning of Table/Wall Pop-Up box containing two universal 13A power sockets and 4 Data RJ45 IP Outlets. Complete in all respect as per satisfaction of the engineer in charge. Make: Legrand, Point Pod, Mockett or equivalent. Manufacturing shall be of EU/USA based.	Each	38	
15	SPD 30KA TYPE 1+2/ CLASS I+II For 3p with separate NNPE Make phoenix, ABB Or EU/USA Manufactured Equivalent.	Each	3	
Total Amount PKR				B

FURNITURE WORK

Sr. No.	Item	Description	Quantity	Unit Price (Rs.)	Total Amount (Rs.)
1	MD Conference Room Table	MEETING TABLE (VENEER) veneer top with painted/veneer center console and cable management system 2250 (L) X 1200 (D) X 750 (H)-MM, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	1		
2	MD Conference room chair	Executive Chair - Mid Back Chair - Vanguard Model: Vanguard (High-back executive chair) Upholstery: Grey PU leather – durable, smooth, and easy to maintain Armrests: Padded for comfort, Chrome detailing on top ~Warranty 3 years , manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	6		
3	Master chair Conference room	Executive Chair - High Back Chair - Vanguard Model: Vanguard (High-back executive chair) Upholstery: Grey PU leather – durable, smooth, and easy to maintain Armrests: Padded for comfort, Chrome detailing on top Base: Polished aluminum five-star base, Fitted with smooth-rolling casters Mechanism: Gas lift for seat height adjustment Tilt mechanism for ergonomic support ~Warranty 3 years, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	2		
4	MD Conference room sofa	3 SEATER SOFA SPENCER SERIES Premium quality cushioning with imported fabric/leatherette upholstery and MS Base, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	1		
5	LED 65" on wall	Providing and installation of 65-inch LED 4K UHD Display (Samsung / LG / Sony or equivalent), resolution 3840×2160, HDR support, minimum 60 Hz refresh rate, Wi-Fi enabled smart TV with HDMI/USB ports, wall- mount bracket, complete in all respects as approved by the Engineer.	2		

FURNITURE WORK

6	Study Table chair - MD	<p>Mid Back Chair - Vanguard Model: Vanguard (High-back executive chair) Upholstery: Grey PU leather – durable, smooth, and easy to maintain Armrests: Padded for comfort, Chrome detailing on top ~Warranty 3 years, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority</p>	1		
7	Video Link system	<p>Providing, installation and commissioning of Video Link System consisting of PTZ video camera (1080p/4K), beamforming microphone/speaker unit, codec/processing unit, wireless/wired screen sharing, HDMI/USB connectivity, complete mounting hardware, cables and accessories, compatible with Zoom/Teams/Webex, Logitech/Poly/AVer or equivalent, complete in all respects as approved by the Engineer.</p>	1		
8	Conference room 2 Table	<p>CONFERENCE TABLE (VENEER OPTION) BLOCK SERIES Veneer top with painted/veneer center console and powder coated MS base 3750 (L) X 1200 (D) X 750 (H)-MM, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority</p>	1		
9	Conference room 2 chair	<p>Executive Chair - Mid Back Chair - Vanguard Model: Vanguard (High-back executive chair) Upholstery: Grey PU leather – durable, smooth, and easy to maintain Armrests: Padded for comfort, Chrome detailing on top ~Warranty 3 years, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority</p>	10		

Sr. No.	Item	Description	Quantity	Unit Price (Rs.)	Total Amount (Rs.)
10	ED/Dir Tables	EXECUTIVE DESK - AASTA SERIES Painted glass top with veneer base and side, table side based on single pedestal drawer unit, including PDU with cable management system Top: 2100 (L) X 900 (D) X 750 (H)-MM Side rack: 1950 (L) x 600 (D) x 650 (H)-MM, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	5		
11	ED/Dir chairs	Executive Chair - High Back Chair - Vanguard Model: Vanguard (High-back executive chair) Upholstery: Grey PU leather – durable, smooth, and easy to maintain Armrests: Padded for comfort, Chrome detailing on top Base: Polished aluminum five-star base, Fitted with smooth-rolling casters Mechanism: Gas lift for seat height adjustment Tilt mechanism for ergonomic support ~Warranty 3 years, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	7		
12	Visitors Chairs	VISITOR CHAIR BRACE SERIES, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	20		
13	Center Table	CENTER TABLE RITZ SERIES high pressure laminated top with powder coated MS base 900 (L) X 900 (D) X 375 (H) - MM, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	9		
14	Side Tables	SIDE TABLE NORA SERIES Painted/glass/veneer top with powder coated MS base 500 (DIA) X 500 (H) - MM, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	6		
15	3 Seater Sofa	3 SEATER SOFA (OPTION 2) SPENCER SERIES Premium quality cushioning with imported fabric/leatherette upholstery and MS Base, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	9		

Sr. No.	Item	Description	Quantity	Unit Price (Rs.)	Total Amount (Rs.)
16	LED 50"	Providing and installation of 50-inch LED 4K UHD Display (Samsung / LG / Sony or equivalent), resolution 3840×2160, HDR support, minimum 60 Hz refresh rate, Wi-Fi enabled smart TV with HDMI/USB ports, wall- mount bracket, complete in all respects as approved by the Engineer.	7		
17	DD Tables	L SHAPE TABLE (WIT DRAWER UNIT) TINT SERIES Top and side rack top and front in imported/textured laminate and carcass in solid/pain laminates with three drawers and two shutter cabinets ilcuded cable management system and powder coated MS base. Top: 1500 (L) X 750 (D) X 750 (H)-MM Side rack: 1800 (L) x 500 (D) x 650 (H)-MM, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	5		
18	DD Chairs	SUPPORT TEAM WS CHAIRS, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	3		
19	Work stations	WORKSTATION (-) SKYLINE SERIES Top laminate with fabric partition panel (without soft board) powder coated MS base including cable management system Drawer unit front and top can be in texture/imported laminate and carcass in solid/plain laminates Standard drawer one drawer and one cabinet Top: 1200 (L) X 600 (D) X 750 (H)-MM Drawer Pedestal: 400 (L) X 475 (D) X 610 (H), manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	15		
20	Day Care furniture	Providing complete Day Care furniture including child study tables, child chairs, activity tables, toy storage racks, nap cots, play mats and related accessories, using laminated MDF/plywood with PVC edge protection, non- toxic finishes, steel powder-coated structures where applicable, as per approved design and specifications, complete in all respects as directed by the Engineer.	Per Job		
21	Incumbency Board	Providing and fixing Wooden Incumbency Board made of 18mm MDF/solid wood with approved fininsh, lettering, logo and complete fixing arragements complete in all aspects.	6		

22	Reception Sofa Set	4 SEATER SOFA L SHAPE SOFA Premium quality cushioning with imported fabric/leatherette upholstery and MS BASE, manufactured by Reputed Brand or equivalent as approved by the Engineer/ Competent Authority	2		
Total Amount PKR					C

BIDDING DOCUMENTS

FOR

**RENOVATION OF PUNJAB MASS
TRANSIT AUTHORITY OFFICE**

**PUNJAB MASS TRANSIT AUTHORITY
(GOVERNMENT OF PUNJAB)**



(VOLUME 3)

DRAWINGS

DECEMEBR, 2025

RENOVATION AND FURNISHING WORKS OF NEWLY ACQUIRED OFFICES

16 OCTOBER , 2025



**ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).**

📍 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

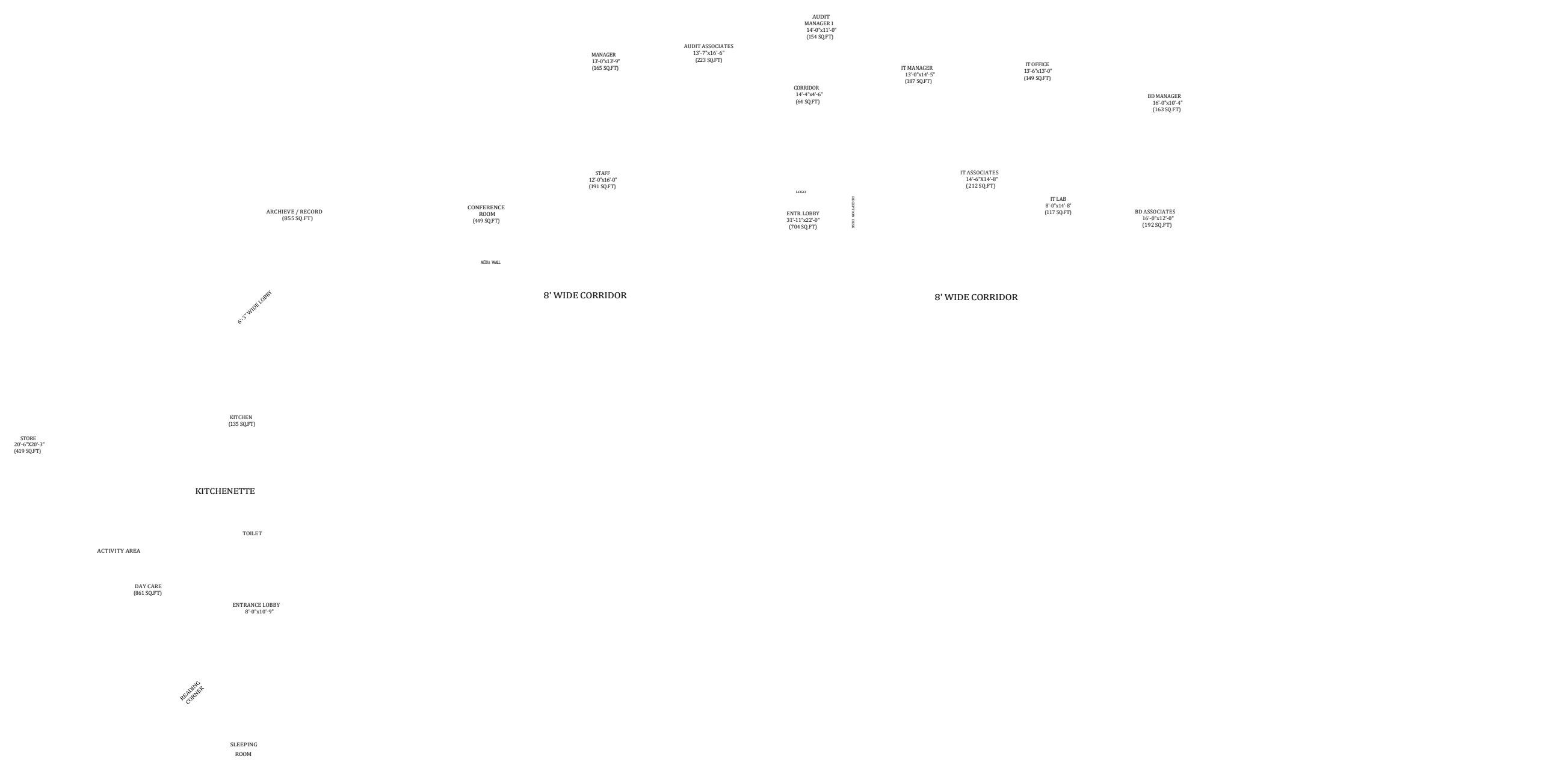
☎ +92-42-99333976, +92-42-5717681-4

✉ @info@ecsp.com.pk 🌐 www.ecsp.com.pk

CLIENT:

**PUNJAB MASSTRANSIT
AUTHORITY (PMA)**





CLIENT:	CONSULTANTS:	PROJECT:	DRAWN BY:	DRAWING TITLE:	DRAWING NO:	REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB MASSTRANSIT AUTHORITY (PMA)	ENGINEERING CONSULTANCY	HAFIZ AZAM	(ECSP). 83-A, E/1, Main Boulevard, Gulberg	III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4				
			SERVIC ES	PUNJAB (PVT) LTD					

CLIENT:

**PUNJAB MASSTRANSIT
AUTHORITY (PMA)**

CONSULTANTS:

ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

PROJECT:

**RENOVATION AND FURNISHING
WORKS OF NEWLY
ACQUIRED OFFICES**

DRAWING TITLE:

**OFFICE FLOOR PLAN DESIGN
WORKING PLAN
(NEW FLOOR PLAN)**

DRAWING NO:

AR-02

REV.

DESCRIPTION

SIGN.

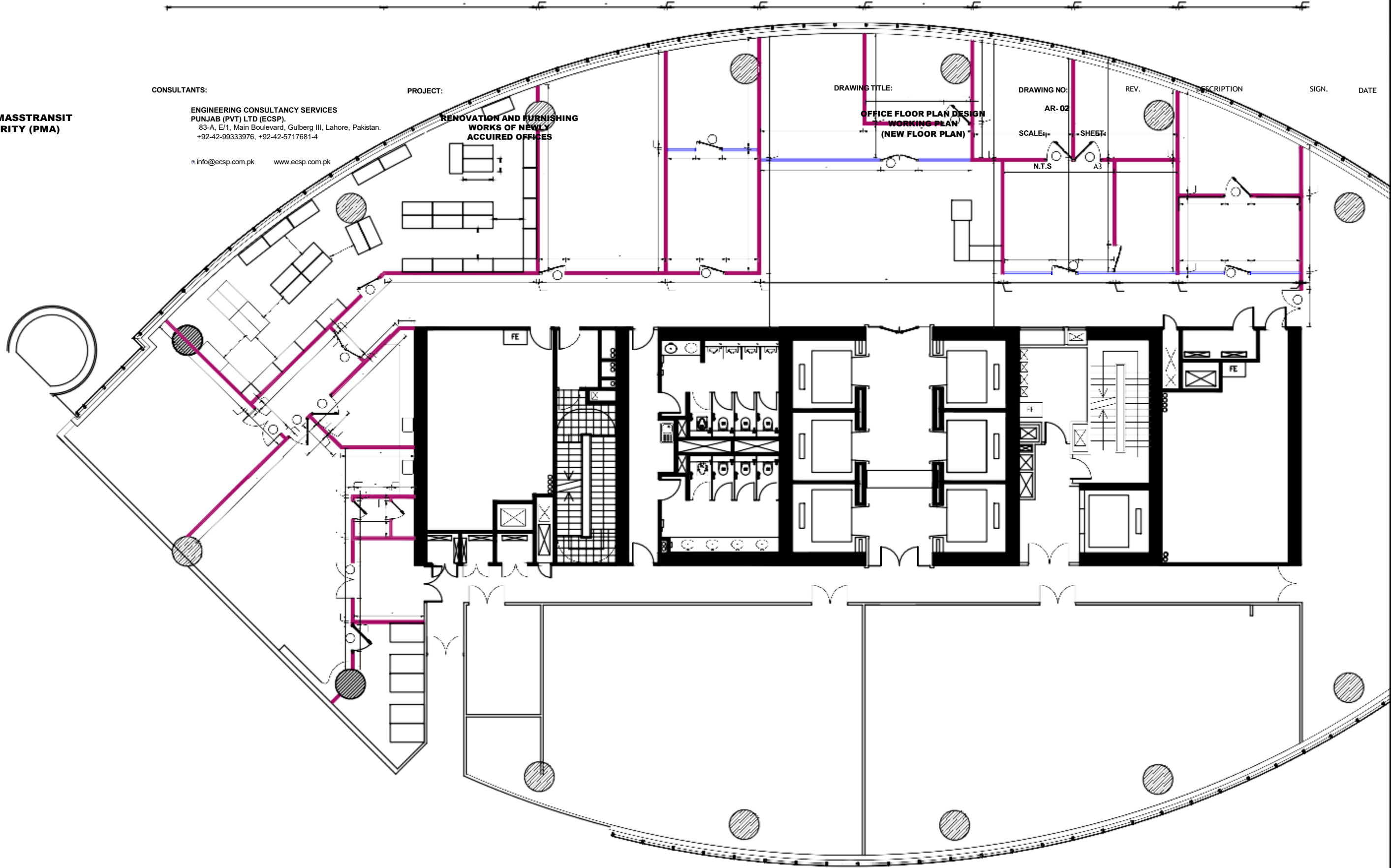
DATE

SCALE:

N.T.S

SHEET:

A3



DRAWN BY:	HAFIZ AZAM	
DESIGNED BY:	AR.AYESHA	
CHECKED BY:	AR.ABDULMAJID	
APPROVED BY:		
DATE:	OCT, 2025	

CLIENT:

**PUNJAB MASSTRANSIT
AUTHORITY (PMA)**

CONSULTANTS:

**ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

PROJECT:

**RENOVATION AND FURNISHING
WORKS OF NEWLY
ACQUIRED OFFICES**

DRAWN BY:

HAFIZ AZAM

DESIGNED BY:

AR.AYESHA

CHECKED BY:

AR.ABDULMAJID

APPROVED BY:

DATE: OCT, 2025

DRAWING TITLE:

**OFFICE FLOOR PLAN DESIGN
WORKING PART PLAN-01
(NEW FLOOR PLAN)**

DRAWING NO:

AR-03

SCALE:

N.T.S

REV.

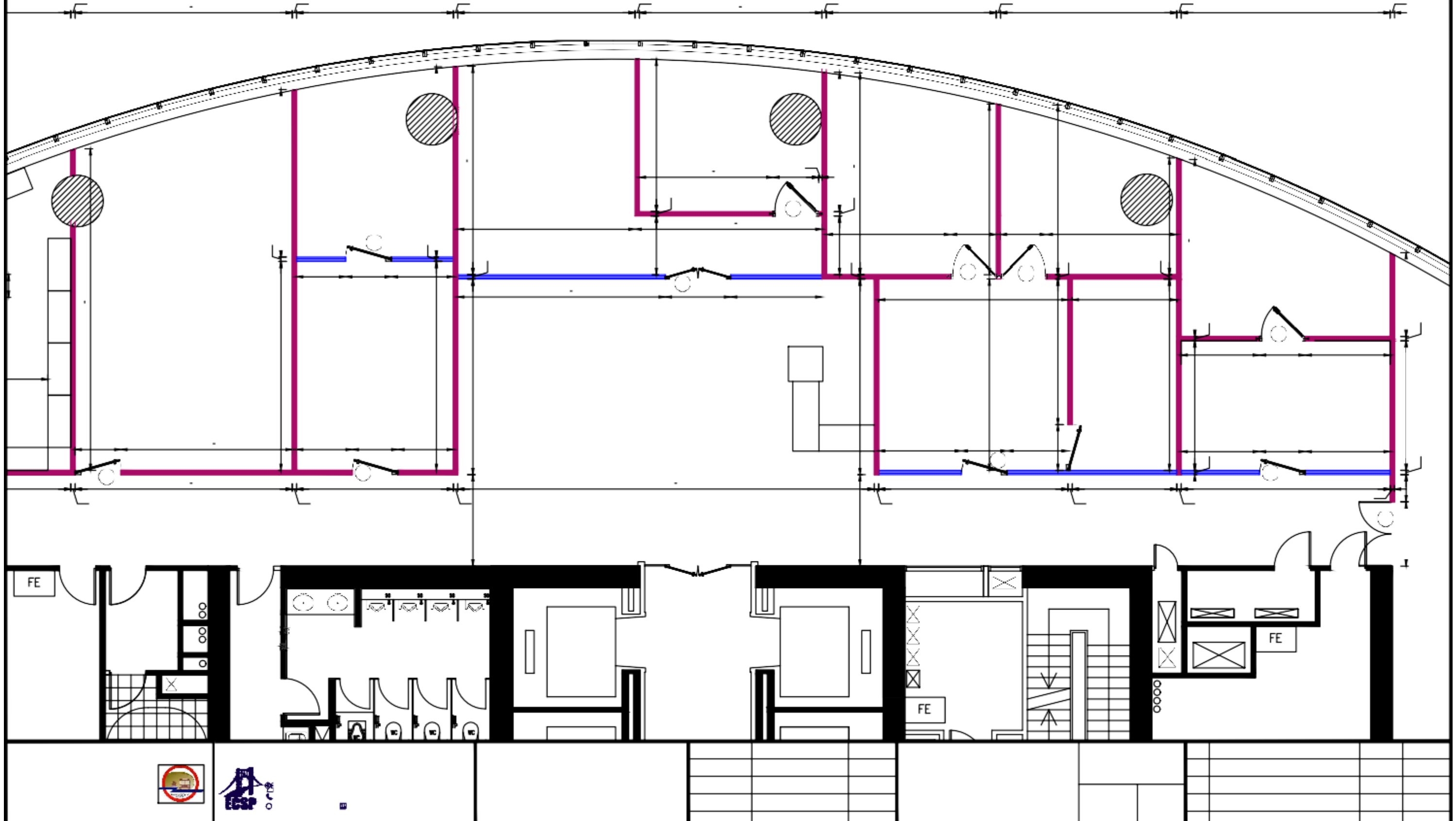
DESCRIPTION

SIGN.

DATE

SHEET:

A3



ES

SLEEPING ROOM

DRAWING TITLE:

OFFICE FLOOR PLAN DESIGN
WORKING PART PLAN-02 (NEW
FLOOR PLAN)

info@ecsp.com.pk www.ecsp.com.pk

DRAWING NO. AR-04

REV.

SCALE:

SHEET:

DESCRIPTION

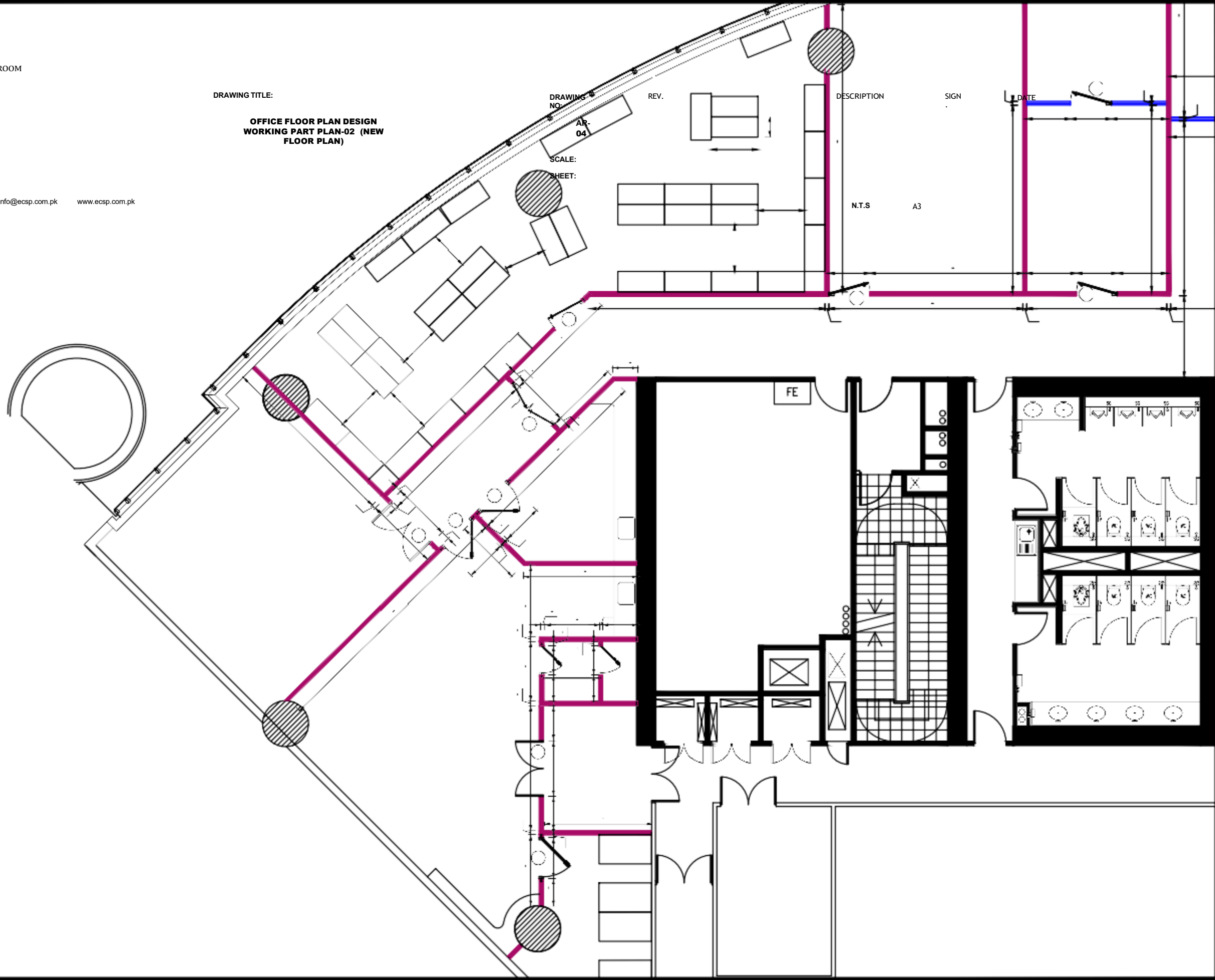
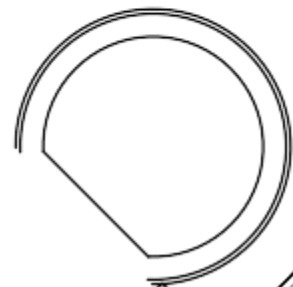
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DATE

N.T.S

A3

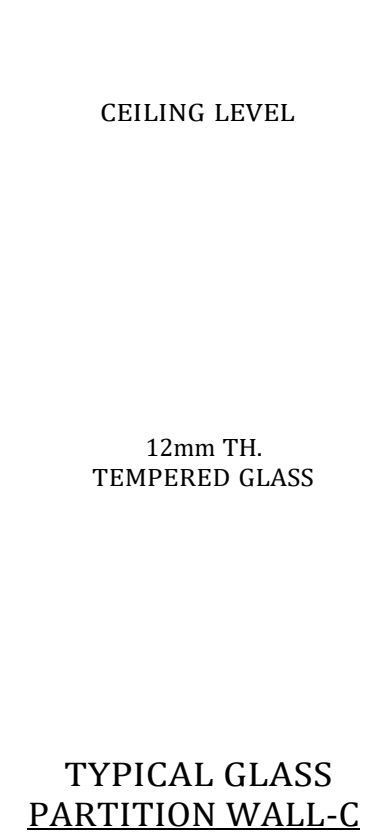
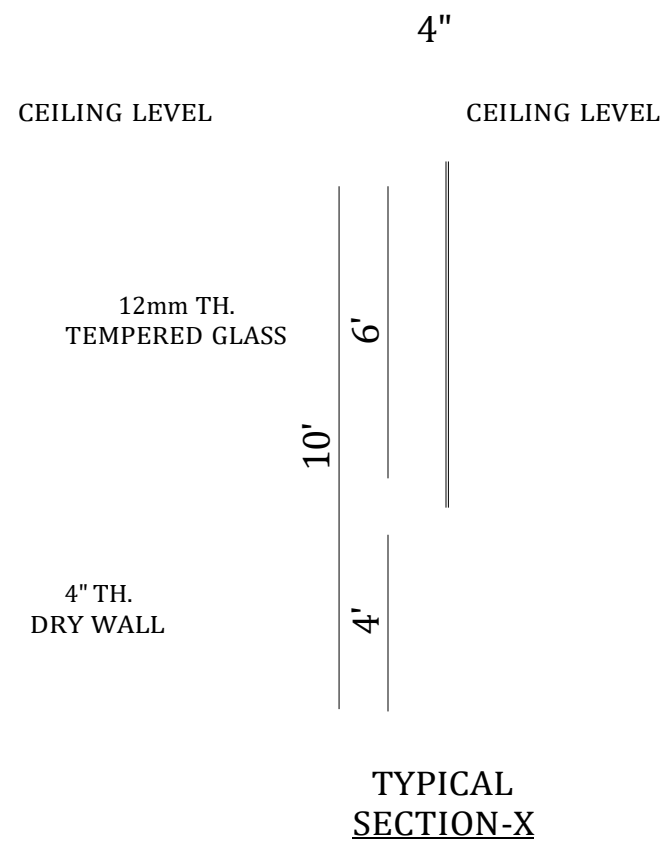
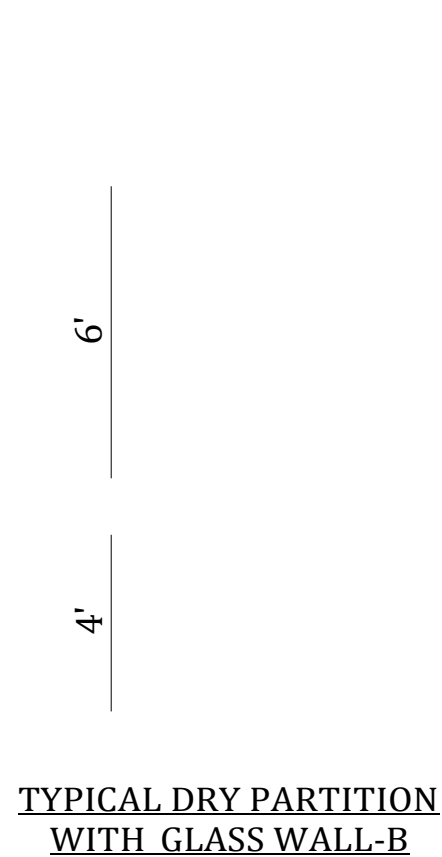
FE



1

LEGENDS

Sr No.	TYPE	WIDTH	HEIGHT	SYMBOL	DESCRIPTION
1	WALL-A	4"	10'		DRY WALL PARTITION
2	WALL-B	5½"	10'		SANDWICH PANEL DRY WALL
3	WALL-C		10'		12mm th: TEMPERED GLASS PARTITION



CLIENT:

**PUNJAB MASSTRANSIT
AUTHORITY (PMA)**

CONSULTANTS:

ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP),
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4

PROJECT:

**RENOVATION AND FURNISHING
WORKS OF NEWLY
ACQUIRED OFFICES**

DRAWN BY:	HAFIZ AZAM
DESIGNED BY:	AR.AYESHA
CHECKED BY:	AR.ABDULMAJID
APPROVED BY:	
DATE:	OCT, 2025

DRAWING TITLE:

**OFFICE FLOOR PLAN DESIGN
TYPICAL WALL DETAILS**

DRAWING NO:

AR-05

SCALE:

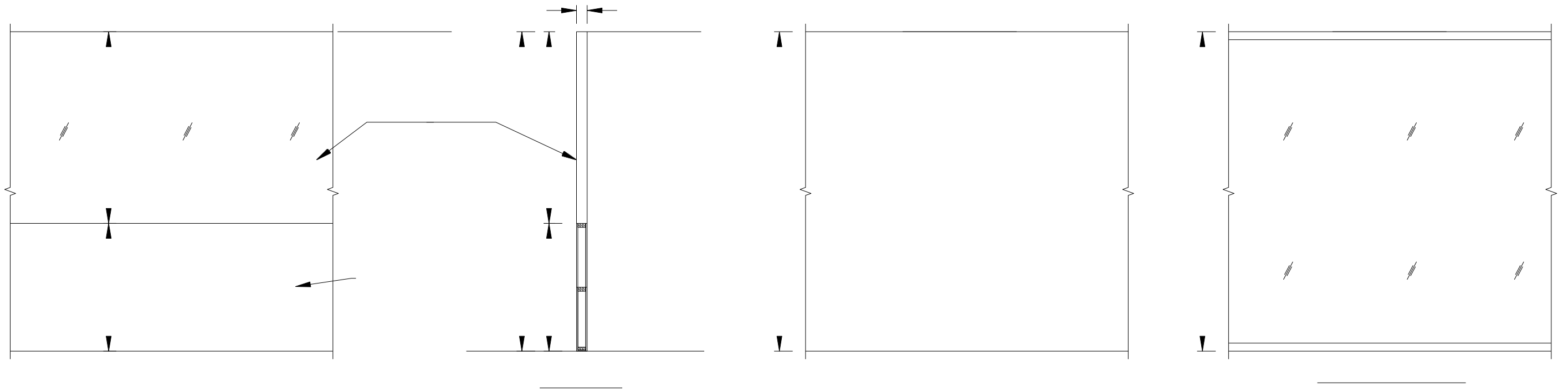
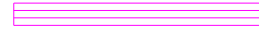
SHEET:

REV.

DESCRIPTION

SIGN.

DATE



DOORS & WINDOWS SCHEDULE (NEW FLOOR PLAN)

Sr No.	TYPE	SIZE	SILL	QTY.	DESCRIPTION
1	D1	5'-0"x8'-0"	0'-0"	02	SOLID WOODEN FLUSH DOOR
2	D2	5'-0"x8'-0"	0'-0"	02	GLASS DOOR
3	D3	3-6"x8'-0"	0'-0"	07	SOLID WOODEN FLUSH DOOR
4	D4	3-6"x8'-0"	0'-0"	07	GLASS DOOR
5	D5	4-9"x8'-0"	0'-0"	01	SOLID WOODEN FLUSH DOOR
6	D6	2-6"x8'-0"	0'-0"	01	DOOR, CHOWKHAATH & ARCHITRAVE OF UPC

DOORS SCHEDULE (EXISTING FLOOR PLAN)

Sr No.	TYPE	SIZE	SILL	QTY.	DESCRIPTION
1	D1	3'-6"x8'-0"	0'-0"	27	GLASS DOOR
2	D2	3'-6"x8'-0"	0'-0"	01	SLIDE DOOR
3	D3	3'-6"x8'-0"	0'-0"	03	SOLID WOODEN FLUSH DOOR
4	D4	6'-0"x8'-0"	0'-0"	01	GLASS DOOR

EXECUTIVES EXECUTIVES

TOILET 1 TOILET 2

MD SECRETARY OFFICE
18'-1"x13'-6"

2 2

M.D.OFFICE
25'-0"x19'-10"

2 2

ASSISTANT MANAGER
14'-10"x20'-0"

DEPUTY DIRECTOR
11'-9"x20'-0"

CONSULTANT 3
1

10'-0"x9'-4"

ASSISTANT MANAGERS
28'-8"x16'-2"

CONSULTANT 2
10'-0"x9'-2"

CONSULTANT 1
10'-0"x9'-4"

6'

PASSAGE

SECRETARY PMA OFFICE
22'-7"x15'-10 1/2"

RETIRING ROOM
15'-6"x15'-9"

CONTROL ROOM

POWER ROOM

GM OPERATION 1 OFFICE

WAITING AREA
17'-4"x7'-0"

EXISTING CONFERENCE ROOM
23'-8"x24'-3"

MEDIA WALL MAINTENANCE LOBBY

OPERATION STAFF

TIMELINE WALL DESIGN 2012-2025

GM FINANCE
13'-6"x18'-7"

DIRECTOR ESTABLISHMENT
13'-6"x15'-0"

GM OPERATION 2 OFFICE
13'-10"x16'-10"

2 2

OPERATION STAFF
10'-1"x16'-0"

OFFICER ROOM
11'-11"x13'-0"

GM P & D
16'-10"x17'-10"

ASSISTANT MANAGERS P & D
10'-1"x17'-10"

OFFICER ROOM
11'-11"x21'-0 1/2"

6'

KITCHEN

FINANCE MANAGER
15'-0"x15'-3"

FINANCE STAFF
12'-0"x15'-3"

DINNING FACILITY

OFFICER ROOM
11'-11"x21'-10"

SECURITY MANAGER
15'-0"x13'-5"

STAFF
12'-0"x14'-2"

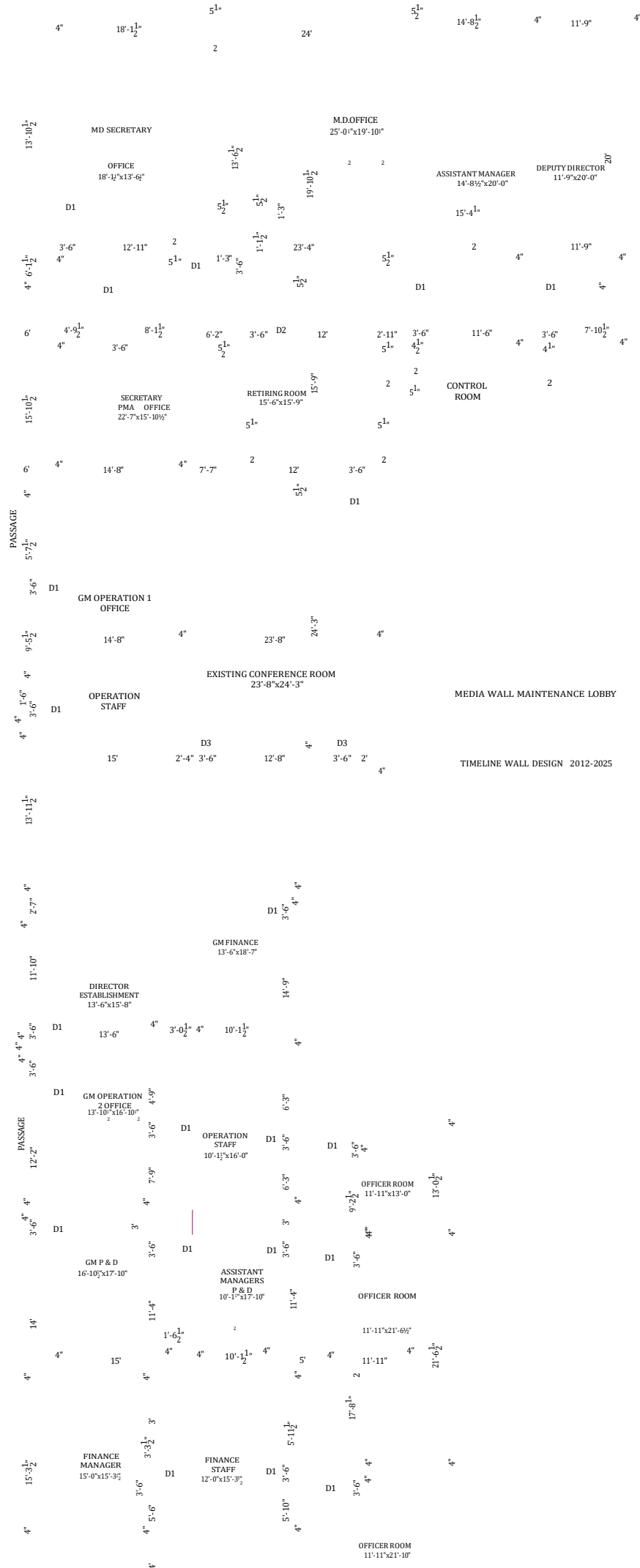
MEDIA WALL MAINTENANCE LOBBY

STORAGE

STORAGE

STORAGE

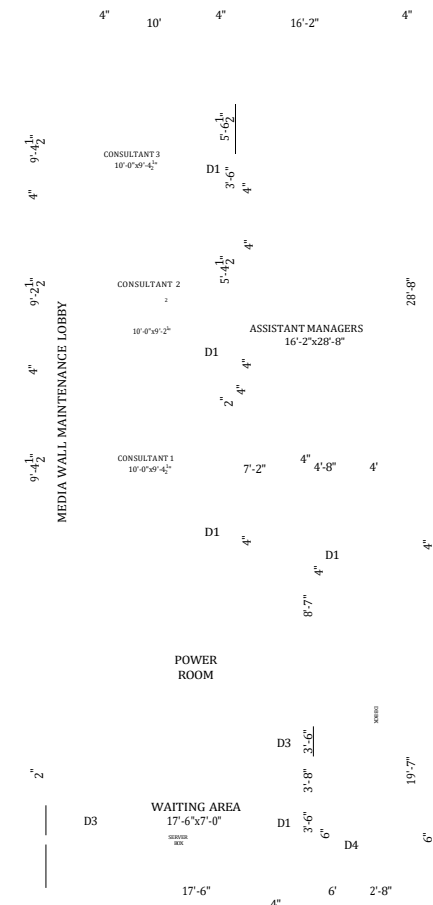
EXECUTIVES EXECUTIVES
TOILET 1 TOILET 2



6

KITCHEN

DINNING FACILITY



CLIENT:

**PUNJAB MASSTRANSIT
AUTHORITY (PMA)**

CONSULTANTS:

**ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECS)**
83-A, E11, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333076, +92-42-5717681-4

info@ecsp.com.pk

www.ecsp.com.pk

PROJECT:

**RENOVATION AND FURNISHING
WORKS OF NEWLY
ACQUIRED OFFICES**

DRAWN BY:

HAFIZ AZAM

DESIGNED BY:

ARAYESHA

CHECKED BY:

AR ABDULMAJID

APPROVED BY:

DATE:

OCT, 2025

DRAWING TITLE:

**OFFICE FLOOR PLAN DESIGN
WORKING PLAN
(EXISTING FLOOR PLAN)**

DRAWING NO:

AR-08

REV.

SCALE:

N.T.S

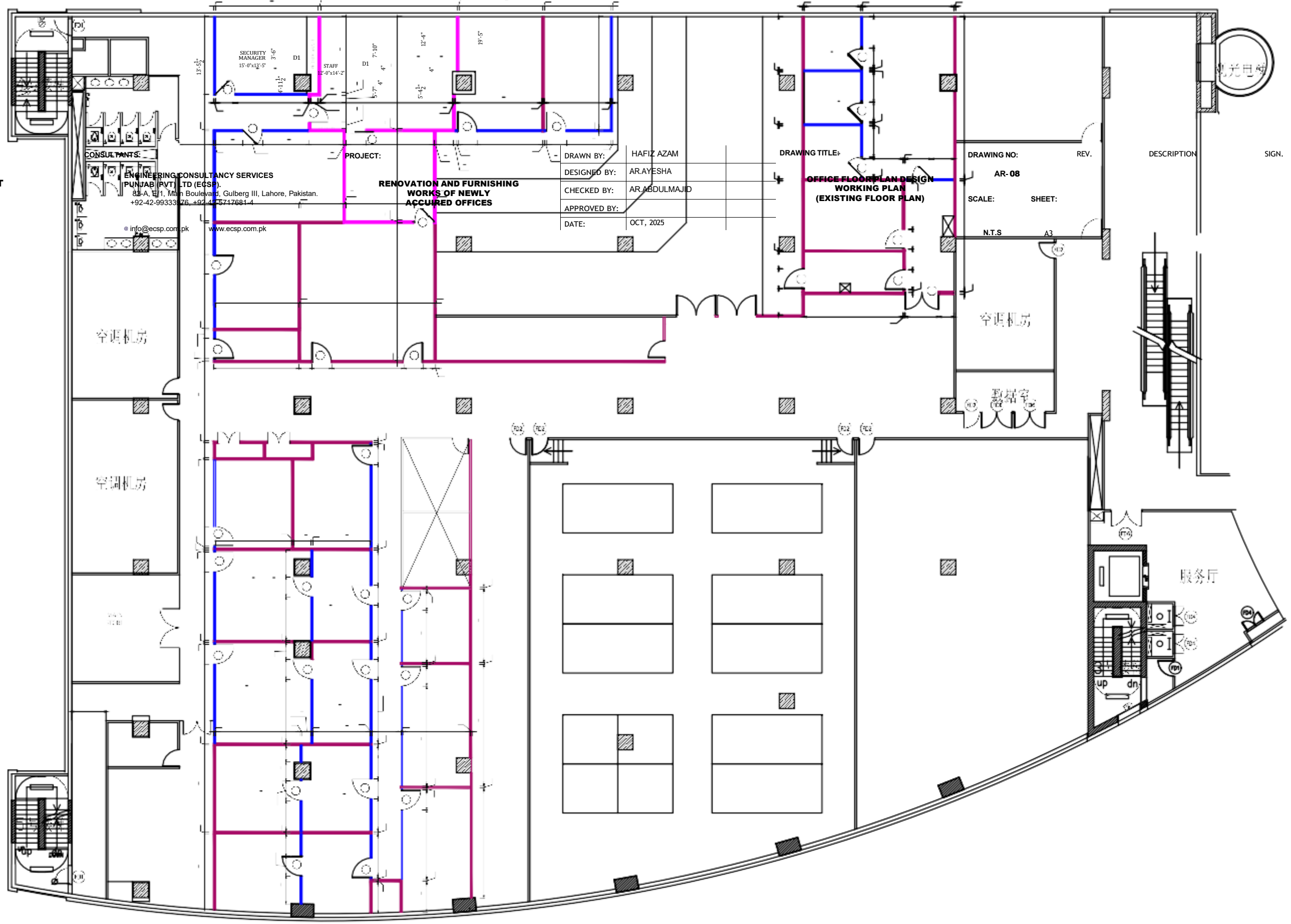
SHEET:

A3

DESCRIPTION

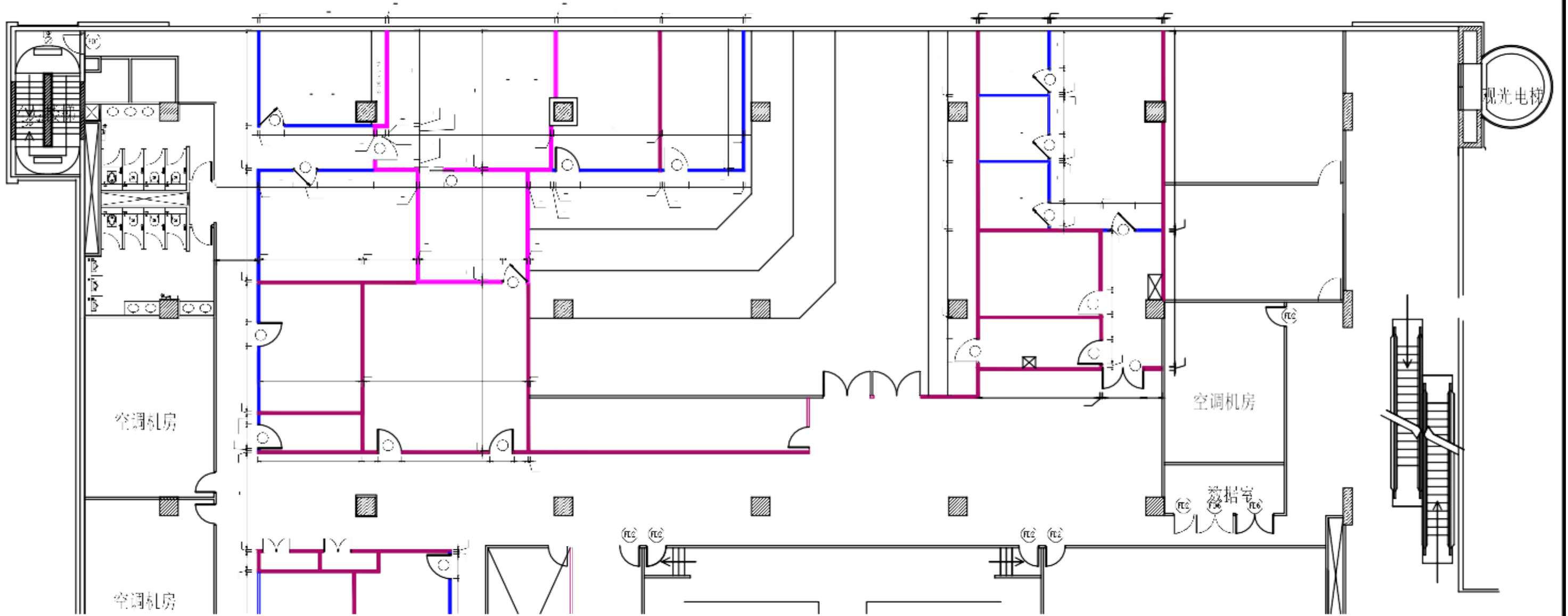
SIGN.

DATE



11

CLIENT:	CONSULTANTS:	PROJECT:	DRAWING TITLE:	DRAWING NO:	REV.	DESCRIPTION	SIGN.	DATE
PUNJAB MASSTRANSIT AUTHORITY (PMA)	ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP), 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	RENOVATION AND FURNISHING WORKS OF NEWLY ACQUIRED OFFICES	OFFICE FLOOR PLAN DESIGN WORKING PART PLAN -1 (EXISTING FLOOR PLAN)	AR-09				
				SCALE:		SHEET:		
				N.T.S		A3		



DRAWN BY:	HAFIZ AZAM
DESIGNED BY:	AR.AYESHA
CHECKED BY:	AR.ABDULMAJID
APPROVED BY:	
DATE:	OCT, 2025

CLIENT:

**PUNJAB MASSTRANSIT
AUTHORITY (PMA)**

空调机房

空调机房

STAIRS

CONSULTANTS:

**ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP)**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

PROJECT:

**RENOVATION AND FURNISHING
WORKS OF NEWLY
ACQUIRED OFFICES**

DRAWING TITLE:

**OFFICE FLOOR PLAN DESIGN
WORKING PART PLAN - 2
(EXISTING FLOOR PLAN)**

DRAWING NO:

AR-10

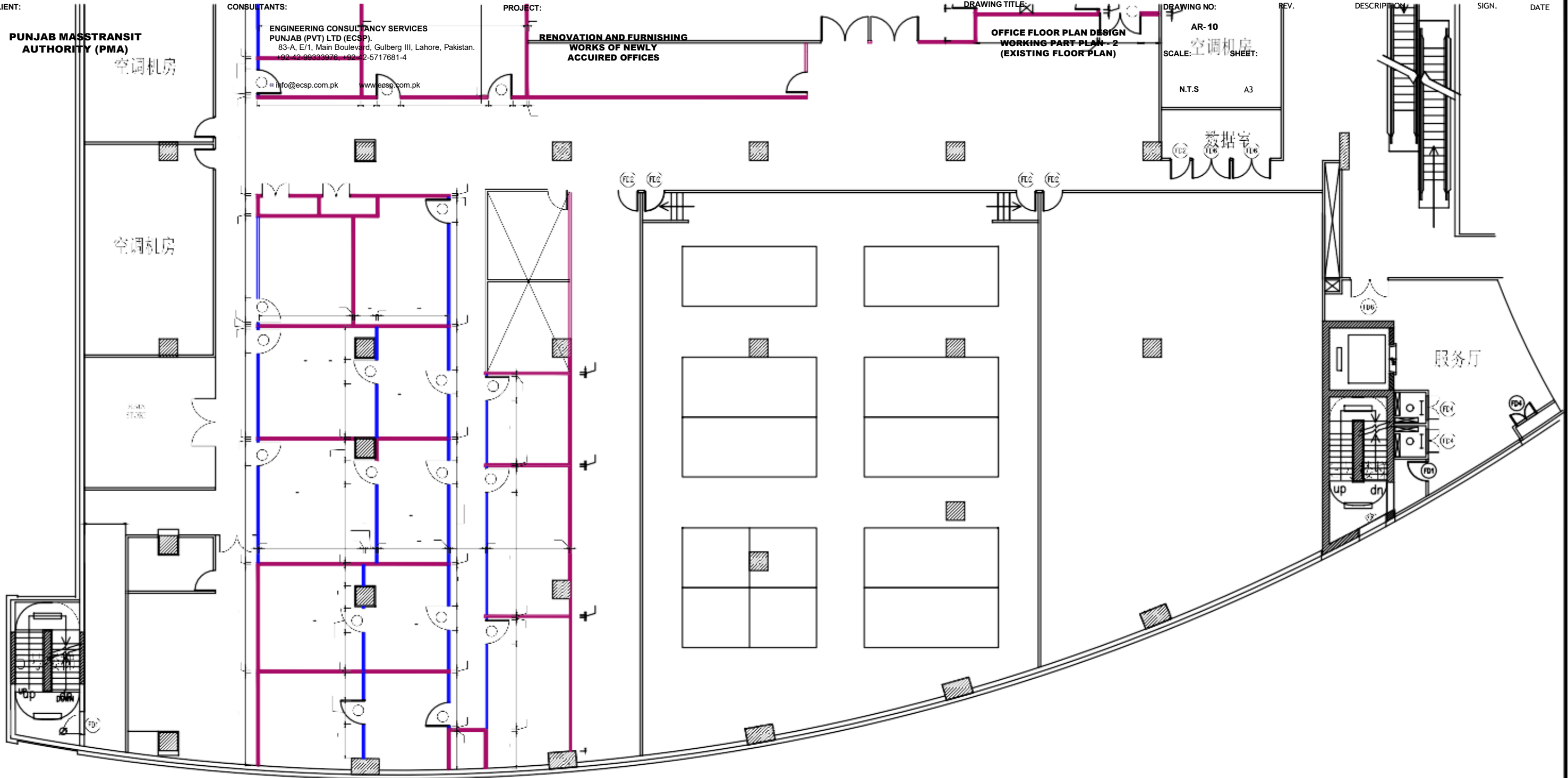
SCALE: 空调机房 SHEET:

N.T.S A3

DESCRIPTION:

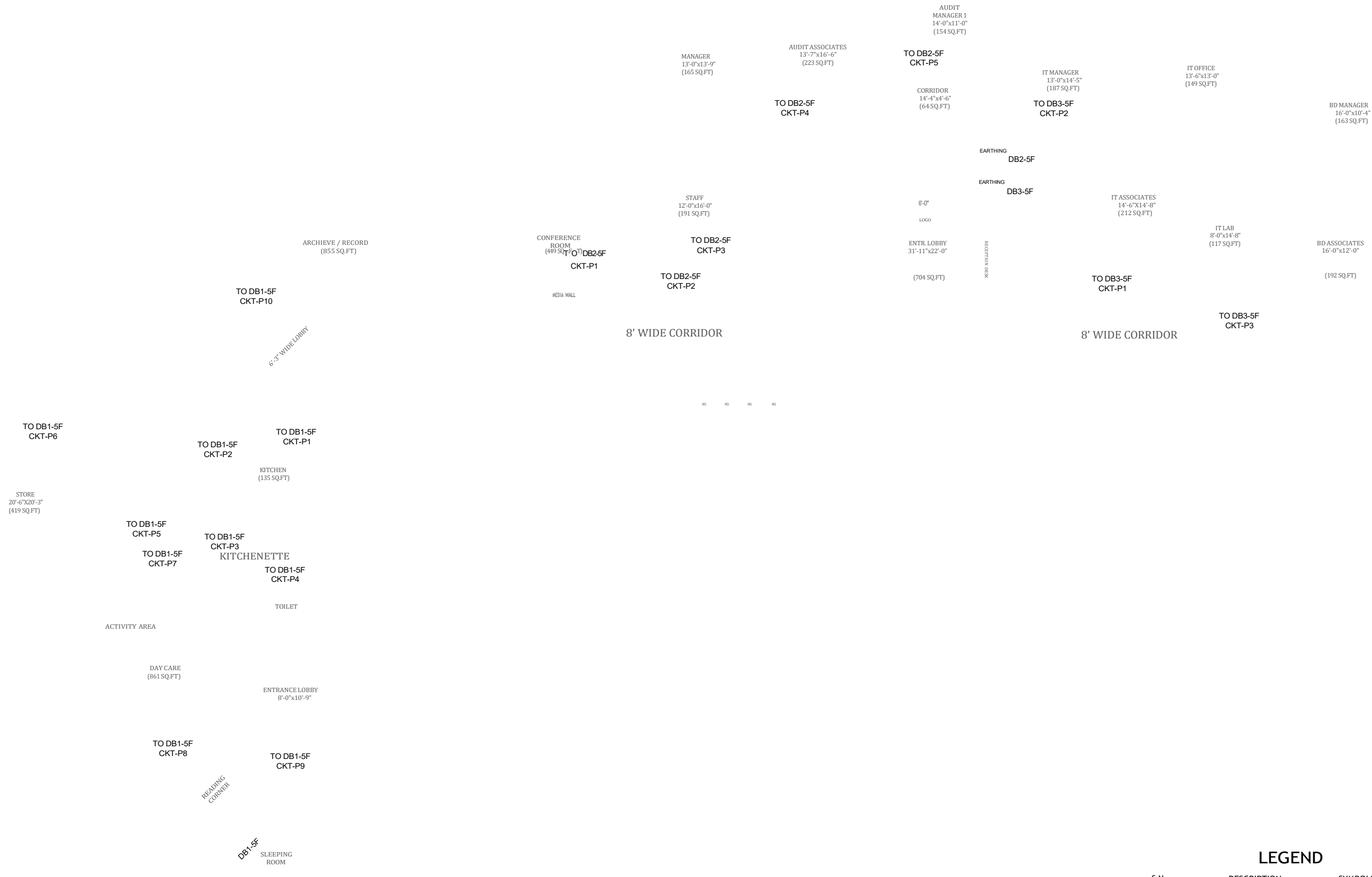
SIGN.

DATE



DRAWN BY:	HAFIZ AZAM	
DESIGNED BY:	AR.AYESHA	
CHECKED BY:	AR.ABDULMAJID	
APPROVED BY:		
DATE:	OCT, 2025	

ELECTRICAL DRAWINGS



LEGEND

S.N	DESCRIPTION	SYMBOLS	MOUNTING HEIGHT
1	RECESSED/ SURFACE PVC CONDUIT SIZE 1" DIA		
2	DISTRIBUTION BOX (DB)		ON WALL AT 4' F.F.L
3	MULTI STANDARD UNIVERSAL SOCKET 13 AMPS		ON WALL AT 2' F.F.L
4	MULTI STANDARD UNIVERSAL SOCKET 16 AMPS		ON WALL AT 2' F.F.L

NOTE:
1-FROM DB TO JUNCTION BOX SHOULD BE 2C+1C x 4mm² CU.

PANEL BOARD NAME:DB1-5F OFFICE

PANEL BOARD TYPE: DB1 5F OFFICE (6WAYS-P+N+E)

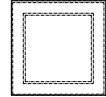






FEEDING FROM NEAREST TERMINAL

DB LOCATION: SLEEPING ROOM

MAIN INCOMING TRIP BREAKER: 40A,4P, MCCB ICS:36KA

MAIN COPPER BUS BARS:40A TPNE,36KA

MAIN CABLE SIZE = 10mm² CU/XLPE/PVC CABLE

NO. OF WAYS	S-NO	CIRC#	CIRCUIT LOAD/WATTS										BREAKER TYPE	TRIP AMPS	NO. POLE	RC (KA)	WIRE	GND WIRE	CONDUIT	LOAD SERVED	REMARKS
			R	Y	B	36w	12w	15w	9w	1000w	900w	600w									
DB1 5F OFFICE (6WAYS-P+N+E)	1	C1	210.0			3	2	4	2	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING	
		C2		324.0		9	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING	
		C3			477.0	12	0	3	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING	
	2	C4	504.0			14	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING	
		P1		1800.0		0	0	0	0	0	2	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
	3	P2			900.0	0	0	0	0	0	1	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
		P3	900.0			0	0	0	0	0	1	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
		P4		900.0		0	0	0	0	0	1	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
	4	P5			900.0	0	0	0	0	0	1	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
		P6	900.0			0	0	0	0	0	1	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
		P7		1200.0		0	0	0	0	0	0	2	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
	5	P8			900.0	0	0	0	0	0	1	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
		P9	1800.0			0	0	0	0	0	0	3	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS	
		P10		0.0		0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE	
6	----			1800.0	0	0	0	0	0	2	0	MCB	16	1	10	4mm ²	4mm ²	Ø25mm	POWER SOCKETS		
	----	0.0			0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE		
	----		0.0		0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE		
	----			0.0	0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE		
TOTAL SOCKETS						38	2	7	2	0	10	5									
PHASE LOAD IN WATT			4314W	4224W	4977W																
TOTAL LOAD IN KW			13.5KW																		
DEMAND FACTOR			80%																		
ULTIMATE LOAD DEMAND			10.8KW																		

PANEL BOARD NAME:DB2-5F OFFICE

PANEL BOARD TYPE: DB2 5F OFFICE (4WAYS-P+N+E)








FEEDING FROM NEAREST TERMINAL

DB LOCATION: RECEPTION

MAIN INCOMING TRIP BREAKER: 63A,4P, MCCB ICS:36KA

MAIN COPPER BUS BARS:63A TPNE,36KA

MAIN CABLE SIZE = 16mm² CU/XLPE/PVC CABLE

NO. OF WAYS	S-NO	CIRC#	CIRCUIT LOAD/WATTS										BREAKER TYPE	TRIP AMPS	NO. POLE	RC (KA)	WIRE	GND WIRE	CONDUIT	LOAD SERVED	REMARKS				
			R	Y	B	36w	12w	15w	9w	1000w	900w	600w													
DB2 5F OFFICE (4WAYS-P+N+E)	1	C1	288.0			8	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
		C2		252.0		7	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
		C3			324.0	9	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
	2	C4	432.0			12	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
		P1		5900.0		0	0	0	0	5	1	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
		P2			5000.0	0	0	0	0	5	0	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
	3	P3	4000.0			0	0	0	0	4	0	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
		P4		5800.0		0	0	0	0	4	2	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
		P5			4900.0	0	0	0	0	4	1	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
	4	----	0.0			0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE					
		----		0.0		0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE					
		----			0.0	0	0	0	0	0	0	0	MCB	40	1	10	----	----	----	SPARE					
TOTAL SOCKETS						36	0	0	0	22	4	0													
PHASE LOAD IN WATT			4720W	11952W	10224W																				
TOTAL LOAD IN KW			26.9KW																						
DEMAND FACTOR			80%																						
ULTIMATE LOAD DEMAND			21.5KW																						

PANEL BOARD NAME:DB3-5F OFFICE

PANEL BOARD TYPE: DB3 5F OFFICE (4WAYS-P+N+E)








FEEDING FROM NEAREST TERMINAL

DB LOCATION: RECEPTION

MAIN INCOMING TRIP BREAKER: 63A,4P, MCCB ICS:36KA

MAIN COPPER BUS BARS:63A TPNE,36KA

MAIN CABLE SIZE = 16mm² CU/XLPE/PVC CABLE

NO. OF WAYS	S-NO	CIRC#	CIRCUIT LOAD/WATTS										BREAKER TYPE	TRIP AMPS	NO. POLE	RC (KA)	WIRE	GND WIRE	CONDUIT	LOAD SERVED	REMARKS				
			R	Y	B	36w	12w	15w	9w	1000w	900w	600w													
DB3 5F OFFICE (4WAYS-P+N+E)	1	C1	288.0			8	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
		C2		180.0		5	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
		C3			180.0	5	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
	2	C4	396.0			11	0	0	0	0	0	0	MCB	10	1	10	1.5mm ²	1.5mm ²	Ø25mm	LIGHTING					
		P1		5000.0		0	0	0	0	5	0	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
		P2			4700.0	0	0	0	0	2	3	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
	3	P3	6800.0			0	0	0	0	5	2	0	MCB	40	1	10	4mm ²	4mm ²	Ø25mm	POPUP POWER					
		----		0.0		0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE					
		----			0.0	0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE					
	4	----	0.0			0	0	0	0	0	0	0	MCB	16	1	10	----	----	----	SPARE					
		----		0.0		0	0	0	0	0	0	0	MCB	40	1	10	----	----	----	SPARE					
		----			0.0	0	0	0	0	0	0	0	MCB	40	1	10	----	----	----	SPARE					
TOTAL SOCKETS						29	0	0	0	12	5	0													
PHASE LOAD IN WATT			7484W	5180W	4880W																				
TOTAL LOAD IN KW			17.5KW																						
DEMAND FACTOR			80%																						
ULTIMATE LOAD DEMAND			14.0KW																						