GOVT OF KHYBER PAKHTUNKHWA

WOMEN UNIVERSITY SWABI

STRENGTHENING OF WOMEN UNIVERSITY SWABI (NEW CAMPUS)

EXTERNAL ELECTRIFICATION WORKS (Package -4)

March, 2026

CONDITIONS OF CONTRACT

VOLUME-I

aec

ALLIED ENGINEERING CONSULTANTS (PVT) LIMITED
CIVIL/POWER/MECHANICAL/*INDUSTRIAL/HIGHWAYS/BRIDGES ENGINEERS-ARCHITECTS-PLANNERS-INTERIOR DESIGNERS LANDSCAPE & ENVIRONMENT SPECIALISTS.*

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Women University Swabi

WOMEN UNIVERSITY SWABI
RE-TENDER NOTICE

ADV NO: WUS/HEC/PSDP/2026-3

E-bids are invited from eligible, reputed and experienced Civil Work contractors/firms/companies, on the basis of **Single Stage Two Envelopes bidding Procedure** for the work "**Construction of New Blocks, External Development Works**" under the PSDP funded project sponsored by HEC titled 'Strengthening of Women University Swabi (New Campus)' at new campus site, having adequate experience of carrying out the projects of similar nature in Government/Autonomous Organizations, registered with Pakistan Engineering Council (PEC) in relevant category and specialization code as mentioned against each, having valid Income Tax and valid KPRA registration. Details of the works are as under:

S#	Name of Work	Engineer Estimated Cost (Rs. Million)	Required category of PEC/relevant Codes	Schedule
1	Construction of Academic Block-III (Science Block) at Women University Swabi (New Campus) Package-1	484.875	**C-3** or Above/ CE10, EE04 & EE-11(vi)	• Pre-bid meeting date 11-06-2026 (11:00 am) • Last date for submission of bids 22-06-2026 (02:00 pm) • Opening of Technical Bids - 22-06-2026 (02:30 pm) • Date of opening of Financial Bid will be announced after the approval of technical bid from competent authority.
2	Construction of Examination Block at Women University Swabi (New Campus) Package-2	307.936	**C-3** or Above/ CE10, EE04 & EE-11(vi)	
3	Construction of Multi-Purpose Hall, Library, Cafeteria and External Infrastructure Works at Women University Swabi (New Campus) Package-3	590.557	**C-2** or above/ CE10, EE04 & EE-11(vi)	
4	External Electrification Works at Women University Swabi (New Campus) Package-4	88.626	**C-4** or Above/ EE04, EE05, EE06 & EE-11(vi), ME03(ii) & Cat-E (KP Energy & Power Dept.)	

External Electrification Works (Package-4) at Women University Swabi

Terms & Conditions:

1. The bidders are instructed to submit their Bids through E-PAD System via https://kp.eprocure.gov.pk.
2. Bid solicitation documents/criteria & Instruction to bidder duly stamped and signed can be obtained from the office of the undersigned upon submission of a written application along with photocopies of valid KPRA registration, FBR Registration and PEC Registration, prior to closing date/time. The tender will be proceeded on KP-PPRA website through E-PADS System with Rs. 8,000/- (non-refundable) per package, as printing/processing charges. The tender processing fee already submitted by the firms at the rate of Rs. 8,000/- per package against tender no. WUS/HEC/PSDP/2026-1 shall be adjusted against the re-tender packages accordingly.
3. The fee shall be paid in the form of bank draft in favour of the Treasurer, Women University Swabi or deposit in University Account No.**238739974** (UBL Main Branch Swabi - Code#0323).
4. Complete detail of Bid Security in shape of CDR i.e. Bank Name, CDR Number and Date must be submitted electronically along-with E-Bid on E-Pak Acquisition & Disposal System (E-PADS)
5. The original bid security and additional security instruments of all bidders shall be retained until signing of the contract with the best evaluated bidder or till the bid validity period, whichever is earlier as per KP-PPRA notification No. S.R.O (29)/Vol.1-40/2025-26: dated 29.10.2025.
6. The Earnest money/Bid security @ 2% of Engineer Estimate in favor of the Treasurer, Women University Swabi, in shape of Call Deposit/Bank Guarantee (in original) from any scheduled bank of Pakistan.
7. The bidders who quote more than 10% below up to 20% below on Engineer Estimate are required to submit 8% additional Earnest Money/Bid Security in addition to 2% bid security with the Financial Bid in shape of Call Deposit Receipt (CDR) (KPPRA Notification No.6058-71, dated May10, 2022) otherwise his bid will be considered as non-responsive and 2% bid security will be forfeited, and the 2nd lowest bidder and so on will be considered accordingly.
8. In case of equal bid 1st, 2nd and 3rd etc. the lowest bidder would be decided through toss/ draw by the committee.
9. All Taxes etc. shall be deducted from the bill of the contractors/firms/companies at prescribed rates notified by the Government from time to time.
10. Bidding shall be carried out on "**% above/below/At Par on BOQ cost**".
11. Incomplete/disfiguring/over-writing/by-hand/delayed bids will be considered non-responsive.
12. Those firms which are Black listed or are involved in litigation with any Government department /organizations are not allowed to participate in tendering process.
13. Tender Entry Fee @ Rs.0.03% of the total Tender Cost shall be submitted in separate envelop in the shape of original CDR at the name of the Treasurer, Women University Swabi before opening of Tender. Failing which the bidder shall be considered as non-responsive.
14. Original CDR of the Earnest money/2% Bid Security with original E-stamp paper to the effect thereof, along with original CDR of the Tender Entry fee and original CDR/Bank receipt (in case of online payment) of the printing cost, must be submitted to Women University, Swabi on or before the closing date and time mentioned above. Photo Copy of CDRs OR Bank receipt will not be accepted and shall be rejected.
15. Bidders will be Technically Qualified on the basis of information provided with the Bids, as per the Criteria prescribed in the Bidding Documents. General experience, Personal Capabilities, Equipment Capabilities, Financial Soundness as well as Registration with PEC, KPRA, FBR, etc. shall be strictly calculated in the Technical Bids.
16. All the information and documents provided by the bidder must be based on facts beyond any doubt. During analysis / Scrutiny or evaluation of the proposals any misrepresentation, false statement or fake document would make a ground for rejection of the bid and will also be liable for debarment / blacklisting. Any fake document or misrepresentation detected during the currency of the contract, will render the firm to be blacklisted and would be reported to the PEC for cancellation of their registration/license.
17. The bidders are at liberty to seek any clarification or further information from the office of the Project Director, Women University Swabi, if desire on any working day during office hours.
18. The competent authority reserves the right to reject any or all the tenders by assigning the cogent reasons as per the provision contained in rule 47 of KPPRA Rules 2014.

Note: This tender Notice is also available at university website (www.wus.edu.pk)

PROJECT DIRECTOR
Women University Swabi (Main Campus)
Khyber Pakhtunkhwa
www.wus.edu.pk
Ph: 0938281890, Email; pd.psdp@wus.edu.pk

ALLIED ENGINEERING CONSULTANTS

INSTRUCTIONSTO BIDDERS

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INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with Bidding Data 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 Procuring Entity as defined in the Bidding Data hereinafter called "the Procuring Entity" invites bids for the construction and completion of works as described in these Bid Solicitation Documents, and summarized in the Bidding Data 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.

1.3 Throughout these Bid Solicitation Documents, the terms 'bid' and 'tender' and their derivatives (bidder / tenderer, bid / tender, bidding / tendering etc.) are synonymous.

IB.2 Source of Funds

2.1 The expenditure on this project/scheme will be met from the Public Funds of the Provincial Government of Khyber Pakhtunkhwa (GoKP), as defined in Rule-2(l)(l) of the KP Public Procurement Rules, 2014, or through a loan/credit from the source (s) as indicated in the Bidding Data in various currencies towards the cost of the Project/Scheme specified in the Bidding Data, and it is intended that part of these Public Funds or proceeds of this loan/credit will be applied to eligible payments under the Contract, for which these Bid Solicitation Documents are issued.

IB.3 Eligible Bidders

3.1 This Invitation for Bids is opened to all bidders meeting the following requirements:

a. Duly licensed by the Pakistan Engineering Council (PEC) in the category relevant to the value of the Works.

b. Is neither associated, nor has been associated, directly or indirectly, with the Consultants or any other entity that has prepared the design, specifications, and other documents for the Project/Scheme or being proposed for any position in the Project Management.

c. duly registered with the Khyber Pakhtunkhwa Revenue Authority for the purpose of Sales Tax on Services.

3.2 A bidder having a conflict of interest will be declared as non-responsive if the bidder has a close business relationship with the Procuring Entity's professional personnel, who directly or indirectly involved in any part of: (i) the preparation of the bidding documents for the Works, (ii) the Bid evaluation or (iii) the supervision of such Works.

IB.4 One Bid per Bidder

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

IB.5 Cost of Bidding

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

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IB.6 Site Visit

6.1 The bidders are advised to visit and examine the site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid 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 representatives will be granted permission by the Procuring Entity to enter upon its premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and representatives, will release and indemnify the Procuring Entity, its personnel and representatives 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 Bid Solicitation Documents, in addition to Invitation for Bids, are those stated below, and should be read in conjunction with any Addenda/Corrigenda issued in accordance with Clause IB.9.

1. Instructions to Bidders.
2. Bidding Data.
3. General Conditions of Contract, Part-I (GCC).
4. Special Conditions of Contract, Part-II (SCC).
5. Specifications – Special Provisions.
6. Specifications – Technical Provisions.
7. Form of Bid & Appendices to Bid.
8. Bill of Quantities (Appendix-D to Bid).
9. Form of Bid Security.
10. Form of Additional Security (if required)
11. Form of Contract Agreement.
12. Forms of Performance Security and Mobilization Advance Guarantee/Bond.
13. Drawings.

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 Bidders own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bid Solicitation Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any prospective bidder requiring any clarification (s) in respect of the Bid Solicitation Documents may notify the Procuring Entity in writing at the Procuring Entity's address indicated in the Invitation for Bids. The Procuring Entity will respond to any request for clarification, which it receives earlier than 07 days prior to the deadline for submission of bids.

Copies of the Procuring Entities response will be forwarded to all buyers of the Bid Solicitation Documents, including a description of the enquiry but without identifying its source.

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IB.9 Amendment of Bidding Documents

9.1 At any time prior to the deadline for submission of bids, the Procuring Entity may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder(s), modify the Bid Solicitation Documents by issuing addendum/corrigendum.

9.2 Any addendum/corrigendum thus issued/published shall be part of the Bid Solicitation Documents pursuant to Sub- Clause 7.1 hereof, and shall be communicated in writing to all buyers of the Bid Solicitation Documents.

9.3 To afford prospective bidders reasonable time in which to take an addendum/ corrigendum into account in preparing their bids, the Procuring Entity may extend the deadline for submission of bids in accordance with Clause IB.20 (10).

C. PREPARATION OF BIDS

IB.10 Language of Bid

10 The bid, all correspondence, and documents related to the bid exchanged by a bidder and the Procuring Entity shall be in the bid language stipulated in the Bidding Data and Special Conditions of Contract.

IB.11 Documents Accompanying the Bid

11.1 Each bidder shall:

(a) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the bidder;

(b) update the information indicated and listed in the Bidding Data and previously submitted with the application for prequalification, and continue to meet the minimum criteria set out in the prequalification documents which as a minimum, would include the following:

(i) Evidence of access to financial resources along with average annual construction turnover;

(ii) Financial predictions for the current year and the two following years including the effect of known commitments;

(iii) Work commitments since prequalification;

(iv) Current litigation information; and

(v) Availability of critical equipment.

and

(c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid Proposed Construction Schedule Appendix-F to Bid Method of Performing the Work Appendix-G to Bid List of Major Equipment Appendix-K to Bid Organization Chart for Supervisory Staff

and other pertinent information such as mobilization program etc;

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:

(a) the bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners;

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(b) one of the joint venture partners shall be nominated as being in charge; 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 shall always be duly authorized to deal with the Procuring Entity regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of Contract 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 Contract Agreement (in case of a successful bid); and

(e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it 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. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Procuring Entity.

11.3 Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications 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 Sub-Clause 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. Unit rate offered for an item shall be considered upto two significant decimals places for evaluation purposes. Items against which no rate or price is entered by a bidder will not be paid for by the Procuring Entity when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities. Corrections in rates and prices, if any, shall be made by crossing out, initialing, dating and re-writing.

12.3 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a bidder.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

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 Procuring Entity shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause.

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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 Procuring Entity's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.

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 28 days prior to the deadline for submission of bids.

For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the Contract.

IB.14 Bid Validity

14.1 Bids shall remain valid for the period stipulated in the Bidding Data 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 Procuring Entity may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects. The bidder shall bear all costs to be incurred on such extensions.

IB.15 Bid Security

15.1 Each bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data in Pak Rupees or an equivalent amount in a freely convertible currency. [The bid security shall be submitted from the account of the firm/bidder/contractor who submits the bid][2]

15.2 The Bid Security shall be, at the option of the bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favour of the Procuring Entity valid for a period 28 days beyond the Bid Validity date.

15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Entity as non-responsive.

15.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.

15.5 ["The bid security of the successful bidder be retained with the Procuring Entity till completion of the defect liability period and the amount of guarantee will be reduced by an equivalent amount".][3]

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15.6 The Bid Security may be forfeited:

(a) if the bidder withdraws his bid except as provided in Sub-Clause 22.1;

(b) if the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof; or

(c) In the case of successful bidder, if he fails within the specified time limit to:

(i) furnish the required Performance Security; or

(ii) sign the Contract Agreement.

[2] Inserted by KPPRA Notification No. KPPRA/M&E/Estt:/1-12/2017-18 dated April 05 2018.

[3] (14
Substituted by KPPRA Notification No. KPPRA/M&E/Estt:/1-4/2016 dated May 24, 2016

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IB.16 Alternate Proposals by Bidder

16.1 Should any bidder consider that he can offer any advantages to the Procuring Entity by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bid Solicitation Documents, submit any Alternate Proposal(s) containing (a) relevant design calculations; (b)technical specifications; (c)proposed construction methodology; and (d) any other relevant details / conditions, provided always that the total sum entered on the Form of Bid shall be that which represents complete compliance with the Bid Solicitation Documents.

16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Procuring Entity as the basis for the award of Contract to such bidder.

IB.17 Pre-Bid Meeting

17.1 The Procuring Entity may, on its 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 Bid Solicitation Documents or any other matter that may be raised at that stage. The date, time, and venue of pre-bid meeting, if convened, is as stipulated in the Bidding Data. 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 Procuring Entity not later than seven (07) 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 buyers of the Bid Solicitation Documents. Any modification of the Bid Solicitation Documents listed in Sub-Clause 7.1 hereof, which may become necessary as a result of the pre-bid meeting shall be made by the Procuring Entity exclusively through the issue of an Addendum/Corrigendum 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 Form of Bid shall be for performing the Contract strictly in accordance with the Bid Solicitation Documents.

18.2 All appendices to Bid are to be properly completed and signed.

18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

18.4 Each bidder shall prepare by filling out the forms completely and without alterations one (1) original and number of copies, specified in the Bidding Data, of the documents comprising the bid as described in Clause IB.7 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.

18.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder pursuant to

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Sub- Clause 11.1(a) hereof. All pages of the bid shall be initialed and stamped by the person or persons signing the bid.

18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring Entity, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

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 Sub- Clause 19.2 hereof.

19.2 The inner and outer envelopes shall:

(a) be addressed to the Procuring Entity at the address provided in the Bidding data;

(b) bear the name and identification number of the contract as defined in the Bidding Data; and

(c) provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.

19.3 In addition to the identification required in Sub- Clause 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 Procuring Entity will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

20.1 (a) Complete Bids must be received by the Procuring Entity at the address specified no later than the time and date stipulated in the Bidding Data In the event of the specified date for the submission of bids declared a holiday for the Procuring Entity, the Bids will be received up to the appointed time on the next working day.

(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.

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(d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Procuring Entity 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 Procuring Entity 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 Procuring Entity 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 or due to any other reason, 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 Procuring Entity prior to the deadline or the extended deadline pursuant to clause IB.20.2, for submission of bids.

22.2 The modification, substitution or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION","SUBSTITUTION" or "WITHDRAWAL" as appropriate.

22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with Sub-Clauses 22.1 and 27.2.

22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION

IB.23 Bid Opening

23.1 The Procuring Entity will open all the bids received (except those received late), including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' or their representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. In the event of the specified date for the opening of bids being declared a holiday for the Procuring Entity, the Bids will be opened at the appointed time and location on the next working day. The bidders' representatives who are present shall sign a register evidencing their attendance.

23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bid for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.22shall not be opened.

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23.3 The bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security and such other details as the Procuring Entity may consider appropriate, will be announced by the Procuring Entity at the opening of bids.

23.4 Procuring Entity shall prepare minutes of the bid opening including the information disclosed to those present in accordance with the Sub-Clause 23.3.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation, and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of the final result of the bid evaluation, which shall be done at least ten (10) days prior to the award of Contract, and place the same on its and Authority's Website (under Rule 45 of the KP Public Procurement Rules, 2014). The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Procuring Entity's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may follow Section 35 of the KPPRA Act, 2012, read with the Khyber Pakhtunkhwa Public Procurement Grievance Redressal Rules, 2017.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison of bids, the Procuring Entity 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 Procuring Entity in the evaluation of the bids in accordance with Clause IB.28.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Procuring Entity will determine whether each bid is substantially responsive to the requirements of the Bid Solicitation Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security and Additional Security (if any), and (iv) conforms to all the terms, conditions, and specifications of the Bid Solicitation Documents, without material deviation or reservation.

26.3 If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

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27.1 Bids determined to be substantially responsive will be checked by the Procuring Entity for any arithmetic errors. Errors will be corrected by the Procuring Entity 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 Procuring Entity there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Form of Bid will be adjusted by the Procuring Entity in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected bid price, his bid will be rejected and the Bid Security shall be forfeited in accordance with Sub-Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

28.1 The Procuring Entity 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 Procuring Entity 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, including discounts or other price modification in the bids.

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 Procuring Entity's estimate of the cost of work to be performed under the Contract, the Procuring Entity may require the bidder to produce detailed price analysis 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 Procuring Entity 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 Procuring Entity against financial loss in the event of default of the successful bidder under the Contract.

IB.29 Award of the Contract

29.1 Subject to Clauses IB.30 and IB.34, the Procuring Entity will award the Contract to the bidder, whose bid has been determined to be substantially responsive to the Bid Solicitation Documents, and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be

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eligible in accordance with the provisions of Clause IB.3, and qualify pursuant to Sub-Clause IB 29.2.

29.2 The Procuring Entity, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:
Provided that such qualification shall only be laid down after recording reasons therefore in writing. They shall form part of the records of that bid evaluation report.

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

30.1 Notwithstanding Clause IB.29, the Procuring Entity reserves the right to accept or reject any Bid, and to annul the bidding process, and reject all bids, at any time prior to acceptance of a 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 Procuring Entity, the Procuring Entity will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring Entity 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, Procuring Entity may have clarification meetings to get clarify any item in the bid evaluation report.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Procuring Entity and the bidder till signing of the formal Contract Agreement.

31.4 Upon furnishing by the successful bidder of a Performance Security, the Procuring Entity will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

IB.32 Performance Security

32.1 The successful bidder shall furnish to the Procuring Entity a Performance Security in the form and the amount stipulated in the Bidding Data and the Conditions of Contract.

32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. and Additional Security (if any).

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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 Procuring Entity will send the successful bidder the Contract Agreement in the form provided in the Bid Solicitation Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Procuring Entity and the successful bidder shall be executed within 15 days of the receipt of the Contract Agreement by the successful bidder from the Procuring Entity.

IB.34 General Performance of the Bidders

The Procuring Entity reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Procuring Entity may in case of consistent poor performance of any Bidder as reported by the Procuring Entity's of the previously awarded contracts, inter alia, reject his bid and/or refer the case to the Pakistan Engineering Council (PEC) and KPPRA. Upon such reference, PEC / KPPRA 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.

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BIDDING DATA

PROJECT DIRECTOR
Women University Swabi

BD-2

Bidding Data

Bidding Data Sheet

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

Instruction to Bidders

Clause Reference

1.1 Name and Address of the Procuring Entity

The Employer is:

Women University Swabi
Main Campus, Tehsil Topi, District Swabi
Postal Code: 23460

(Hereinafter called "The Employer'' Which expression shall include the successors, Legal Representative and Permitted Assignees).

The Employer Representative is:

Project Director
Women University Swabi
Main Campus, Tehsil Topi, District Swabi
Postal Code: 23460

Tel:- +92 938 281890

Email: pd.psdp@wus.edu.pk

Name of the Project & Summary of Works

The name of the Project is:- **External Electrification Works (Package-4) at Women University Swabi (Main Campus)**

The Summary of Works:

Women University, Swabi intends **External Electrification Works** within its premises under PSDP project. Works under this Package-4 includes **External Electrification Works at Women University Swabi** and other ancillary works as per approved design and drawings.

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The scope of works mainly comprises electrical works etc. and related ancillary works lying within the boundaries and limits shown on the Drawings and any such additional areas adjacent thereto as may be designated by the Engineer from time to time for the construction to be performed under the Contract, and all such areas and additional areas shall be comprised in the Site.

IB.2 Source of Funds
2.1 Source of Funds

The project is being funded by HEC.

IB.7 Contents of Bidding Documents

7.1 Delete the text of Sub-Clause 7.1 and substitute it with the following: The Bidding Documents are those stated below, and should be read in conjunction with any Addenda issued in accordance with the Clause IB.9.

Technical Bid

7.1.1 **Volume – I**

- Instruction to Bidders
- Bidding Data
- Form of Bid & Appendices to Bid (excluding Appendix-D)
- Forms of Bid Security Performance Security, Contract Agreement, Mobilization Advance Bank Guarantee
- Part-I- General Conditions of Contract
- Part-II- Particular Conditions of Contract
- Specifications – Special Provisions

7.1.2 **Volume-II**

- Specifications- Technical Provisions

7.1.3 **Volume-III**

- Bid Drawings

Price Bid

7.1.5 **Volume-IV**

- Letter Of Price Bid
- Preamble to Bill of Quantities
- Appendix- D to Bid (Bill of Quantities)
- Bid Security

IB.8 Time limit for clarification

8.1 Delete the word "07 days'' and replace with "10 days''

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IB.10 Language of Bid

10.1 English

IB.11 Documents Accompanying the Bid

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

Volume-I

I. Letter of Technical Bid
II. Written power of attorney authorizing the signatory of the Bid
III. Original Bidding Documents (Volume-I)
IV. Dully filled in Schedules to Bid (Except Appendix-D to Bid)
V. Qualifications Documents establishing bidder's eligibility as per Appendix M.

Volume-II

i. Specifications – Technical

Volume – III

i. Bid Drawings

11.1(b) The Bidder shall submit with its **Price Bid** the following documents:

Volume – IV

(i) Letter of Price Bid
(ii) Preamble to Bill of Quantities
(iii) Appendix – D to Bid (Bill of Quantities)
(iv) Bid Security

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 Sub-Clause 1.1 hereof, based on the Priced Bill of Quantities with premium/rebate submitted by the bidder.

12.2 The Quantities Set Out in the Bill of Quantities are estimated only. The actual sum to be paid to the Contractor whose tender is accepted will be determined by measuring the work actually done in accordance with the contract and valuing it at the rates or prices given in the Govt. of Khyber Pakhtunkhwa Schedule of Rates **MRS-2025 (1st Bi-Annual)** and Premium/rebate quoted by the Contractor 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 28 days prior to the

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deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a bidder.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

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 Procuring Entity shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause.

IB. 13 Currencies of Bid and payment.

13.1 Delete the text of sub-clause 13.1 and substitute with the following.
The payments to the contractor for the works done shall be made in Pakistani Rupees

13.2 The sub-clause is deleted in its entirety.

IB. 14 Bid validity

14.1 Period of Bid validity:
One hundred twenty (120) days

IB. 15 Amount of Bid security

15.1 2% of Estimated Cost in Shape of Call Deposit/ Bank Guarantee

IB 16. Alternate proposals by Bidder

The clause is deleted in its entirety

Clause IB 17. Pre-Bid Meeting
Sub-clause 17.1 **Venue, time, and date of the pre-Bid meeting:**

The Bidder or his official representative are invited to attend a pre-Bid meeting which will take place on the date, time and place as stated in invitation for Bids.

Sub-clause 17.2. Delete the text of sub-clause 17.2 and substitute which the following
The Bidders are requested to submit any questions in writing or by email to reach the Employer two (2) days before the date given for pre-bid meeting in the Invitation for Bids.

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Clause IB. 18 **Format and signing of Bid**

Sub-Clause 18.4 **Number of copies of Bid:**
The Bidder shall prepare and submit the original and one copy documents comprising the Bid as described in clause 7 of these instructions to Bidders and clearly marked "**ORIGINAL**" and "**COPY**".

Sub-clause 18.5 Delete the text of Sub-clause 18.5 and substitute with the following.
The bidder shall follow the Bids procedure through e-PADS duly adopted by the Government of Khyber Pakhtunkhwa (as per KPPRA rules) and/or as mentioned in the Notice Inviting Tenders. All instructions regarding uploading, labeling of files as "ORIGINAL" and "COPY", and submission deadlines shall be followed as provided in the Bidding Data.

Clause IB 19 **Sealing and Marking of Bids**

Sub-Clause 19.1 Delete the text of sub-clause 19.1 (a) and (b) and substitute with the following:
"The contractor will submit bid security and additional bid security (if required) in original to the employer on or before the closing date & time of submission of technical bid."

Sub-Clause 19.2 (a) Employer's address for the purpose of Bid submission is as follows:

Project Director
Women University Swabi
Main Campus, Tehsil Topi, District Swabi
Postal Code: 23460

Tel:- +92 938 281890

Email: pd.psdp@wus.edu.pk

(b) Name & identification number of the contract is as follows:

Name of Project: **External Electrification Works (Package-4) at Women University Swabi**

Identification Number: **Not Applicable**

Clause IB 20 **Deadline for submission of Bids**

Sub clause 20.1(a) Time and date of bid submission and bid opening shall be as per the data provided in the invitation for Bids.

Clause-IB.23 **Bid Opening**

Sub-Clause 23.1 **Venue, time, and date of Bid opening.**
As provided in invitation for Bid.

Clause IB. 28 **Evaluation and comparison of Bids**

Sub clause 28.2 Delete the sub-clause IB 28.2 (c) in its entirety

Sub-clause 28.4 The bidder who quote more than 10% below on the BOQ Cost is required to submit 8% Additional Earnest Money/ Bid Security with Financial bid in

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shape of Call Deposit Receipt (CDR) otherwise his Bid will be considered as non-Responsive and the 2nd lowest bidder and so on will be considered accordingly.

Clause IB. 32
Sub-clause 32.1

Performance Security

Delete the text of sub-clause 32.1 and substitute with the following:

The Successful bidder shall provide a Performance Security in the prescribed Form annexed to these Documents. The said Security shall be furnished by the successful bidder within fourteen (14) days after the receipt of Letter of Acceptance. The Performance Security shall be of an amount equal to ten percent (10%) of the Contract Price in the currency (i.e) of the Contract at the option of the bidder, in the form of Bank Guarantee from any Scheduled Bank in Pakistan or from a Bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan.

Clause IB. 33
Sub Clause. 33.1

Signing of Contract Agreement

Delete the text of Sub-Clause 33.1 and substitute with the following:

The successful bidder shall submit along with the Performance Security a draft copy of Agreement as per the form of Agreement within the time period stipulated in clause IB-32.1 provided in the Bidding Documents, incorporating all agreements between the parties

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LETTER OF TECHNICAL BID
AND
APPENDICES TO BID

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Women University Swabi

FORM OF BID

To:

Project Director
Women University Swabi
Main Campus, Tehsil Topi, District Swabi
Postal Code: 23460
Tel:- +92 938 281890

Gentleman,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract. Specifications, Drawings and Bill of Quantities and Addenda Nos. _____ for the execution of the above -named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract. Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. (Rupees _____) Or such other sum as may be ascertained in accordance with the said conditions.

2. We understand that all the Appendices attached hereto form part of this Bid.

3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Rupees _____ (Rs. _____) drawn in your favor or made payable to you and valid for a period of _____ days beginning from the date Bids are opened.

4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.

5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

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FB-2

8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____day of_____20_____

Signature: _____

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

_____
(Name of Bidder in Block Capitals)
(Seal)

Address:_____
_____
_____

Witness:

Signature: _____
Name: _____
Address. _____
_____
Occupation_____

Name.....
In Capacity Of.....
Signed.....
Duly authorized to sign the Bid for and on behalf of.....
Date.....
Address.....

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Appendix-A to Bid
BA-1

SPECIAL STIPULATIONS

Clause	Conditions of Contract		
1.	Engineer's Authority to issue Variation in Emergency	2.1	02% of the Contract Price stated in the Letter of Acceptance.
2.	Amount of Performance Security	10.1	10% of Contract Price stated in the Letter of Acceptance.
3.	Time for Furnishing Program	14.1	Within 42 days from the date of receipt of Letter of Acceptance.
4.	Minimum amount of Third-Party Insurance	23.2	Up to Rs.500,000/- per occurrence with number of occurrences unlimited.
5.	Time for Commencement	41.1	Within 14 days from the date of receipt of Engineer's Notice to Commence which shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion	43.1, 48.2	365 Calendar Days from the date of Engineer's Notice to Commence the Work
7.	a) Amount of Liquidated Damages	47.1	One Tenth of One Percent (0.10%) for each day of delay in completion of the Works subject to a maximum of ten percent (10%) of Contract Price Stated in Letter of Acceptance
	b)Amount of Bonus	47.3	NOT APPLICABLE
8.	Defects Liability Period	49.1	365 days from the effective date of Taking Over Certificate.
9.	Percentage of Retention Money	60.2	10 % of the amount of Interim Payment Certificate.
10.	Limit of Retention Money	60.2	8 % of Contract Price stated in the Letter of Acceptance.
11.	Minimum amount of Interim Payment Certificates (Running Bills)	60.2	Rs. 7.3 (Million)
12	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Procuring.	60.10	28 days in case of local currency or 42 days in case of foreign funded projects.
13	Mobilization Advance * (Interest Free)	60.12	15 % of contract price

Authorized Signature and Official Stamp .....
Name .....
Date.....

PROJECT DIRECTOR
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Appendix-B to Bid
BB-1

FOREIGN CURRENCY REQUIREMENTS

NOT USED

Authorized Signature and Official Stamp .....
Name .....
Date.....

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Appendix-C to Bid
BC-1

PRICE ADJUSTMENT UNDER CLAUSE 70 OF CONDITION OF CONTRACT

The source of prices and the weightages or coefficients for use in the adjustment formula under Clause 70 shall be as follows:

Cost Element	Description	Weightages	Applicable index
1	2		4
(i)	Fixed Portion	0.85	
(ii)	Local Labour	0.10	Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags	0.00	" " "
(iv)	Reinforcing Steel	0.00	" " "
(v)	High Speed Diesel (HSD)	0.05	" " "
(vi)	Bricks	0.00	" " "
	Total	**1.000**	

Notes:

1) Indices for "(ii)" to "(vii)" are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 28 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to start of the execution month to which a particular monthly statement is related. The unit of time shall be a calendar month.

2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

3) Fixed portion shown here is for typical road/Building project, Procuring Entity to determine the weightage of Fixed Portion considering only those cost elements having cost impact of seven (7) percent or more on his specific project.

4) Any fluctuation in the prices of materials other than those given above shall not be subject to adjustment of the Contract Price and shall be deemed to be included in the rates and prices quoted by the Bidders.

Authorized Signature and Official Stamp .....
Name .....
Date.....

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Appendix-D to Bid
BD-1

BILL OF QUANTITIES

A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.

2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract.

3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labor, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract. Furthermore, all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to deadline for submission of Bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.

4. The Quantities Set Out in the Bill of Quantities are estimated only. The actual sum to be paid to the Contractor whose tender is accepted will be determined by measuring the work actually done in accordance with the contract and valuing it at the rates or prices given in the Govt of Khyber Pakhtunkhwa Schedule of **Rates 2025 (1st Bi-Annual)** and Premium/rebate quoted by the Contractor in the Bill of Quantities.

5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works.

6. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clause 58.2 of Part I, General Conditions of Contract.

7. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clause 58.2 of Part I, General Conditions of Contract.

Authorized Signature and Official Stamp .....

Name .....

Date.....

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Appendix-D to Bid
BD-2

BILL OF QUANTITIES

C. Daywork Schedule

General

1. Reference is made to Sub-Clause 52.4 of the General Conditions of Contract Part-I. Work shall not be executed on a day work basis except by written order of the Engineer. Bidders shall enter basic rates for Daywork items in the Schedules, which rates shall apply to any quantity of Daywork ordered by the Engineer. Nominal quantities have been indicated against each item of Daywork, and the extended total for Daywork shall be carried forward to the Bid Price.

Daywork Labour

2. In calculating payments due to the Contractor for the execution of Daywork, the actual time of classes of labour directly doing the Daywork ordered by the Engineer and for which they are competent to perform will be measured excluding meal breaks and rest periods. The time of gangers (charge hands) actually doing work with the gang will also be measured but not the time of foreman or other supervisory personnel.

3. The Contractor shall be entitled to payment in respect of the total time that labour is employed on Daywork, calculated at the basic rates entered by him in the Schedule of Daywork Rates for labour together with an additional percentage, payment on basic rates representing the Contractor's profit, overheads, etc., as described below:

a) the basic rates for labour shall cover all direct costs to the Contractor, including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances and any sums paid to or on behalf of such labour for social benefits in accordance with Pakistan law. The basic rates will be payable in local currency only; and

b) the additional percentage payment to be quoted by the Bidder and applied to costs incurred under (a) above shall be deemed to cover the Contractor's profit, overheads, superintendence, liabilities and insurances and allowances to labour timekeeping and clerical and office work; the use of consumable stores, water, lighting and power; the use and repair of stagings, scaffolding, workshops and stores, portable power tools, manual plant and tools; supervision by the Contractor's staff, foremen and other supervisory personnel; and charges incidental to the foregoing.

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Appendix-D to Bid
BD-3

Daywork Material

4. The Contractor shall be entitled to payment in respect of materials used for Daywork (except for materials for which the cost is included in the percentage addition to labour costs as detailed heretofore), at the basic rates entered by him in the Schedule of Daywork Rates for materials together with an additional percentage payment on the basic rates to cover overhead charges and profit, as follows:

a) the basic rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc., and shall provide for delivery to store for stockpiling at the site. The basic rates shall be stated in local currency but payment will be made in the currency or currencies expended upon presentation of supporting documentation;

b) the additional percentage payment shall be quoted by the Bidder and applied to the equivalent local currency payments made under Sub-Para(a) above; and

c) the cost of hauling materials used on work ordered to be carried out as Daywork from the store or stockpile on the site to the place where it is to be used will be paid in accordance with the terms for Labour and Constructional Plant in this Schedule.

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Appendix-D to Bid
BD-4

Daywork Constructional Plant

5. The Contractor shall be entitled to payments in respect of constructional plant already on Site and employed on Daywork at the basic rental rates entered by him in the Schedule of Daywork Rates for constructional plant. The said rates shall be deemed to include complete allowance for depreciation, interest, indemnity and insurance, repairs, maintenance, supplies, fuel, lubricants, and other consumables, and all overhead, profit and administrative costs related to the use of such equipment. The cost of drivers, operators and assistants will be paid for separately as described under the section on Daywork Labour.

6. In calculating the payment due to the Contractor for constructional plant employed on Daywork, only the actual number of working hours will be eligible for payment, except that where applicable and agreed with the Engineer, the travelling time from the part of the Site where the constructional plant was located when ordered by the Engineer to be employed on Daywork and the time for return journey thereto shall be included for payment.

7. The basic rental rates for constructional plant employed on Daywork shall be stated in Pakistani Rupees.

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Appendix-E to Bid
BE-1

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 (CPM, PERT or any other to be specified herein) 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 program for completion of the whole of the Works and parts of the Works may meet Procuring Entity'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	_____ days
b)	Part-A	_____ days
c)	Part-B	_____ days
d)	_____	_____ days
e)	_____	_____ days

Authorized Signature and Official Stamp .....
Name .....
Date.....

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Appendix-F to Bid
BF-1

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 indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.

2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.

3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site and providing all services including but not limited to supply of power, water, maintenance of facilities, safety and security and all which is required for completion of works in accordance with the contract.
4. Quality Control/ Quality Assurance measures to be adopted including procedures to be followed for carrying out all tests required under specifications.
5. **The Bidder while preparing his methodology for performing and executing the works shall also consider the following:**

a) The timely completion of the project as per time provided in Appendix-A to this Bid.
b) The Contractor while filling out the list of major equipment required at site, shall ensure that the equipment requirement is in consonance with the Construction Requirement.
c) The Contractor is not restricted to carry out work in Single Shift. The Contractor should note that if he plans to execute the work in more than single shift than all costs related to the additional superintendence to be provided by the Engineer will be borne by the contractor. Procedure for such additional costs will be worked out and finalized between the Contractor and Engineer with the Consent of the Employer.
d) The portions of the Site Shall be made available to the Contractor in coordination with other Contractors working at Site. The Contractor Shall prepare the work program accordingly]

Authorized Signature and Official Stamp .....
Name .....
Date.....

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Appendix-G to Bid
BG-1

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

[The Bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]

Minimum Mandatory Equipment Requirement to be brought/installed/erected at Site prior to release of the 2nd Part of

Sr. No.	Description	Minimum no of Equipment Required	Maximum Marks
1	Crane Machine 20 Tone	01	2
2	Lifter	01	2
3	Excavator	01	1
4	Dumper Trucks /Water Bouser	02	1
5	Digital Clamp Meter	02	1
6	Compactor	02	1
7	Megger	02	2
8	Phase Sequence Tester	01	1
9	Scaffolding Pipe (Rft)	30,000	1
10	Total Station and Level Machine	01	1
11	Diesel Generator	02	1
12	Tool kit	01	1
	Total Marks Allocated		**15**

Note: The Bidder while preparing his methodology for performance and executing the works and listing out Major Equipment (Required to Complete the Works in the Specified Time Schedule) in this Appendix shall consider the above-mentioned minimum requirement of Construction Equipment to be brought/installed/erected at Site.

Authorized Signature and Official Stamp .....
Name .....
Date.....

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Appendix-G to Bid
BG-2

LIST OF MAJOR EQUIPMENT

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

Authorized Signature and Official Stamp .....
Name .....

Date.....

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Appendix-H to Bid
BH-1

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 (clearing, land preparation, etc.).

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 (areas required and proposed layout, type of construction of buildings, etc.).
   b) Warehouses and Storage Areas (area required, type of construction and layout).
   c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).

4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).

5. Other Items Proposed (Security services, etc.).

Authorized Signature and Official Stamp .....
Name .....
Date.....

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Appendix-I to Bid
BI-1

LIST OF SUB CONTRACTORS

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.

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

Part of Works	Subcontractor (With Complete Address)
1	2

Authorized Signature and Official Stamp .....
Name .....
Date.....

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Appendix-J to Bid
BJ-1

ESTIMATED PROGRESS PAYMENTS

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

Quarter/ Year/ Period	**Amounts (1,000 Rs.)**
1	**2**
1st Quarter	
2nd Quarter	
3rd Quarter	
4th Quarter	
5th Quarter	
6th Quarter till Completion of Project	
Total	**100%**

Authorized Signature and Official Stamp .....
Name .....

Date.....

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Appendix-K TO BID
BK-1

ORGANIZATION CHART FOR THE SUPERVISORY STAFF AND LABOUR

Minimum Mandatory Staff Requirement:

The Contractor Should Arrange the following Staff at Site immediately upon commencement of Work:

Designation	Nos	Minimum Qualification	Minimum Relevant Working Experience
Project Manager	01	BSc Electrical Engineer (with valid PEC Registration)	10 Years or above
Site Engineer	01	BSc Electrical Engineer/ DAE Electrical	05 Years or above
Site Supervisor (Mechanical)	01	DAE Mechanical Engineer	05 Years
Site Supervisor (Electrical)	01	DAE Electrical Engineer	05 Years
Quantity Surveyor	01	DAE Electrical Engineer	05 Years

The Contractor shall arrange following staff at site as per requirement on need basis

Designation	Nos	Minimum Qualification	Minimum Relevant Working Experience
Planning Engineers/ Site Engineer	01	BSc Electrical Engineer (with valid PEC Registration)/ B-Tech Hon's	06 Years or above
Site Supervisor (Electrical)	01	DAE Electrical Engineer	05 Years
Foremen Civil/Mechanical 01no, Electrical 01no	03	Matriculate	05 Years

Authorized Signature and Official Stamp .....
Name .....
Date.....

Appendix-L TO BID
BL-1

(INTEGRITY PACT)
DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAID 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 Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, 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 GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, 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 GoP under any law, contract or other instrument, be voidable at the option of GoP.

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

Name of Buyer: .....
Signature: .....
[Seal]

Name of Seller/Supplier:
Signature:
[Seal]

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Appendix-M TO BID
BM-1

QUALIFICATION CRITERIA

Qualification of bidders shall be evaluated on the basis of mentioned criteria. Bidders must secure at least 50% score in each category regarding the work experience, personnel capabilities, equipment capabilities and financial soundness with overall passing marks of 70%, in addition to fulfilment of mandatory requirements. The call deposit shall be forfeited if the bidder submits any false or fabricated document, information or Statement etc.

The Employer reserves the right to waive minor deviations, if they do not materially affect the capability of the bidder to perform the Contract.

A. Mandatory Requirements:

i. Valid registration with PEC in C-4 or above, having specialization code , EE04, EE05, EE06 & EE-11(vi) General Electrical Works and ME03(ii)
ii. Registration with income tax department (Valid NTN)
iii. Registration with Khyber Pakhtunkhwa Revenue Authority (KPRA)
iv. Must be registered with Govt: of Khyber Pakhtunkhwa Energy and Power Department and relevant category and specialization code for all kind of Electrical Works (E).
v. Partnership deed in Association of Persons/Firms (If any) as per guidelines of PEC
vi. Annual Turnover, supported by Audited financial statements for the last three years duly verified and bearing a valid UDIN (Unique Document Identification Number).
vii. A valid bid security equal to 2% of the estimated cost in the form of call deposit/Bank Guarantee from Schedule Bank must be submitted in original in sealed envelope on or before the tender closing date and time. An E-Stamp paper in original must also be submitted on or before the closing date and time, wherein it is clearly mentioned that 2% CDR in original has been submitted. Bids received without the requisite bid security, E-Stamp Paper or after the prescribed deadline shall not be entertained.
viii. A valid affidavit in original for the current month issued in the name of client attested by Oath Commissioner on Stamp paper of Rs. 100/- that the firm has not been blacklisted or debarred by any Government/Autonomous/International body and not involved in any litigation.

Note: No further evaluation will be carried out if the firm failed to fulfil the above mandatory requirements.

B. Detailed Criteria:

The detailed qualification evaluation shall be carried out on the basis of the criteria for the different categories and minimum passing marks prescribed hereunder:

Sr. No	Category	Weightage/Marks	Passing Marks
1	Experience Record	40	20
2	Personnel Capabilities	20	10
3	Equipment Capabilities	15	7.5

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4	Financial Soundness	25	12.5

- Note: Bidders must secure at least 50% score in each category and overall 70% marks to qualify in technical evaluation.

Appendix-M TO BID
BM-2

The detailed qualification evaluation shall be carried out as per following sub-criteria:

1. Experience:

Sr. No.	Sub-category	Maximum Marks	Marks allocation
(a)	Experience as Prime Constructor in execution of external development works, external electrical works and allied facilities of similar nature and quantum either executed or in-hand in **Government / Autonomous Organizations** during last ten (10) years.	40	• 5 Marks will be awarded for each **completed** similar nature project having cost of **Rs. 80 M or above** up to maximum of 15 Marks. • 5 Marks will be awarded for each **completed** similar nature project having cost of **Rs. 60M-80M** up to maximum of 10 Marks. • Maximum 7.5 Marks will be awarded for currently **in-hand** Similar Nature project having cost of **Rs. 90 M or above** up to maximum 15 marks.

- The applicants must provide Letter of Award(s)/Work Order(s) and Taking Over(s)/Completion Certificate(s) of **completed project(s).**
- The applicants must provide Letter of Award(s)/Work Order(s) and Performance Certificate(s) of the **currently in-hand project(s).**
- No marks will be given to the projects for which above award letter/completion certificates/performance certificates are not provided.

2. Personnel Capabilities:

Sr. No.	Sub-category	Maximum Marks	Marks allocation
a)	B.Sc. Engineers (Electrical) registered with Pakistan Engineering Council (PEC)	12	• 4 marks will be awarded for each B.Sc. Engineer (Electrical) having at least 10 years relevant experience. • 3 marks will be awarded for each B.Sc. Engineer) (Electrical) having at least 5 years relevant experience.
b)	Diploma Associate Engineers (DAE)	08	• 4 marks will be awarded for each Associate Engineer (Electrical) having at least 05 years relevant experience • 2 Marks will be awarded for each Associate Engineer (Electrical and Civil) having at least 3 years relevant experience.
Total Marks Allocated		**20**	

- Only those candidates would be considered for whom CVs duly signed by the applicant.

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- Applicant's Degree, Valid PEC Registration Certificates, Diploma (issued by BTE), and appointment letters must be attached in the profile.

Appendix-M TO BID
BM-3

3. Equipment Capabilities

Sr. No.	Description	Minimum no of Equipment Required	Maximum Marks
1	Crane Machine 20 Tone	01	2
2	Lifter	01	2
3	Excavator	01	1
4	Dumper Trucks /Water Bouser	02	1
5	Digital Clamp Meter	02	1
6	Compactor	02	1
7	Megger	02	2
8	Phase Sequence Tester	01	1
9	Scaffolding Pipe (Rft)	30,000	1
10	Total Station and Level Machine	01	1
11	Diesel Generator	02	1
12	Tool kit	01	1
	Total Marks Allocated		**15**

Note: Bidders shall submit a valid Affidavit on an stamp paper to the effect that the above items are available with the contractor and can be inspected by the committee at any stage.

4. Financial Capabilities

The Applicant firms shall submit copies of annual account/audited reports for the last three (03) years (FY 2024–25, 2023–24, and 2022–23) on the Auditor's Letter Head duly certified and verified by the Chartered Accountant and bearing a valid UDIN (Unique Document Identification Number). The submission shall clearly indicate the **Average Annual Turnover**, **Liquid Assets**, and **available line(s) of credit from reputed banks**, evidencing the financial soundness of the applicant's financial position.

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Appendix-M TO BID

BM-4

a. The minimum annual volume of Construction Work (Annual Turn-Over) shall be at least **Rs. 70 Million** during any of the last three years.

S.no	Average Annual Turn Over	Marks
a.	Working capital in last three 03 years	• 08 marks are given if the available average working capital for last three years is equal to 70 Million. • For the capital less than 70 million use following weightage 08x(A/70) • For the capital more than 70 million but less than 100 million use following weightage 08+(70/A)x2 A=average working capital in last three years. • Full marks are given in case of limit is 100 million or more.
	Maximum Marks	**15**

b. The minimum amount of liquid assets, net of total other construction commitments, shall be **Rs. 30 million**. The firms shall submit copies of latest bank statements along with audited financial statements for the last three (03) years, duly certified by a Chartered Accountant, as evidence of compliance.

Liquid Assets	Marks
Liquid assets in last three 03 years	• 05 marks are given if the available of Liquid assets for last three years is equal to 30 million. • For the capital less than 30 million use following weightage 5x(A/30) • For the capital more than 30 million but less than 40 million use following weightage 5+(30/A)x2 A= average Liquid assets in last three years. • Full marks are given in case of limit is 40 million or more.
Maximum Marks	**10**

Note: Bidders shall provide verifiable documentary evidence to demonstrate their experience, personnel, equipment and financial capabilities as per above mentioned requirements. No marks will be given to the information for which documentary evidence is not provided.

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Appendix-N TO BID

BN-5

LIST OF RECOMMENDED MANUFACTURERS

(To be signed by the Bidder)

Equipment and materials specified with brand names have been provided in order to establish a standard of performance and do not necessarily indicate a preference for a particular manufacturer or material.

The names of manufacturers given below are to indicate the level of quality and performance anticipated by the Engineer/Employer. other makes may be accepted provided the quality and performance of such equipment in the sole opinion of the Engineer are at least equal to or better than the equipment offered by the recommended manufacturer listed hereunder.

The acceptance of equipment/material offered by these manufacturers will be subject to compliance of offered models with specifications and capacity requirements.

Onus lies with the Contractor for establishing the genuineness of any material/product/item for its make and origin

GENERAL

Sr.No	Item	Manufacturer(s) / Supplier(s)
1	Paints & Varnish	ICI Deluxe, Berger
2	Hardware Stays and Handles	HMC Sitara Mila's
3	Glass for Doors and Windows	Guardian float glass (America / Saudi) from Gunj Glass or Alfatah Glass, Ghani Glass
4	Porcelain Tiles	Master Tile Shabbir Tiles and approved imported tiles
5	Vitrified Tiles	Master Tile Shabbir Tiles and approved imported tiles
6	Termite Proofing chemical	Agenda, Biflix
7	Water Proofing	Pak Hy Oils Water Proof Membrane,
8	Construction Chemicals	Ultra-chemicals Happilac
9	Building Insulation	Diamond Jumbolon

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10	Crushed Stone Aggregate	Approved source by Engineer Incharge
11	Reinforcement Steel	FF Steel, Ittehad Steel, Mughal Steel, Nomee Steel
12	Sand	Lawrencepur / Nizampur for Concrete and Other Works/ approved source by Engineer Incharge.
13	G.I Pipes	IIL, Jamal
14	G.I Pipes (Specials)	Chinese (Imported)
15	Cast Iron Pipe & Fitting	Alpine, CME
16	Anti-Termite	Termidor, Dursbin, Biflex, Protect
17	R.C.C Pipes	Shalimar, Grand
18	Water Proofing Agent & Admixture	FEB, SIKA, Vandex, Frosrock
19	Aluminum	Pak Cable, Chawala aluminum, Prime Aluminum, Sana Aluminium
20	1st Class Bricks with standard Size	Approved By the Procuring Entity
21	Cement	Cherat, Kohat, Lucky, Askari, Best way

PLUMBING WORKS			
1.	G.I PIPES	i. ii.	IIL Karachi Jamal
2.	Pipes and Fitting in Polypropylene Random (PPRC)	i. ii. iii.	Dadex (Polydex) Plasco Alpha
3.	G.I Pipes (Specials)	i. ii.	HE China TG China
4.	Gate Valves and Sluice Valves	i. ii.	Anwar Mughal
5.	Cast Iron (Spun) Pipes & Fittings and Fixtures	i. ii.	Alpine Teepu
6.	Asbestos Pipe	i.	Dadex
7.	UPVC Pipes and Fittings (Duct Plain and Slotted, Electrical Conduits, Drain Pipes, Fittings, Pressure Pipes and Flexible Pipes)	i. ii. iii.	Dadex (Polydex) Plasco Alpha
8.	RCC Pipes		As per Technical Specifications and as approved by the Engineer.
9.	Fire Extinguishers/Fire Fighting	i. ii. iii.	Neffco Safico Haseen Habib
10.	Sanitary Fixtures	i. ii. iii.	Porta Durr Master
11.	Sanitary Fitting	i. ii. iii.	Porta Master Faisal
12.	Pumps	i. ii. iii.	KSB HMA Grundfos

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13	Pipes, Valves for HVAC & Public Health		Star Corporations Saeed Steel Corporations

ELECTRICAL WORKS

SR.No	Equipment / Material	Make	Country of Origin	Manufacturer / Supplier
1	11kV H. T Panels for WAPDA.	PEL Siemens Schneider Electric Transfopower Tariq Electric	- Pakistan - Pakistan - Pakistan - Pakistan	PEL, Lahore Siemens, Lahore Schneider Electric Lahore. Transfopower Pvt Ltd Tariq Electric Lahore.
2.	11 kV Sub-Station Equipment	PEL Siemens Schneider Electric Transfopower Tariq Electric	- Pakistan - Pakistan - Pakistan - Pakistan - Pakistan	PEL, Lahore Siemens, Lahore Schneider Electric Lahore. Transfopower Pvt Ltd Tariq Electric Lahore.
3.	Transformers	PEL Siemens Mega Transfopower	- Pakistan - Pakistan - Pakistan	PEL, Lahore Siemens, Lahore Mega, Lahore Transfopower
4.	L.T. Main Panel Boards, Sub Main Panel Boards, Motor Control Centers, Power factor Improvement Plant, Distribution Boards & Cable Trays, Floor Boxes, Under Ground Floor Trunking	PEL Siemens Schneider Electromic Humprotech	- Pakistan - Pakistan - Pakistan - Pakistan - Pakistan	PEL, Lahore Siemens, Lahore Schneider Electric Lhr
5.	ACB Moulded Case Circuit Breakers (MCCB) TP 500 V-AC, Residual Current Circuit Interrupter (RCCI) & MCB	Schneider Electric ABB CHNT LS	- Japan - Italy -EU	Jubilee Corp., Karachi Prince Electric Co., Lahore Tariq Electric Lahore Sh. Wilayat & Sons M/s Technique Switchgear Lahore
6.	Current Transformers	Fico Elemetec Frer Siba Nitech INNOMAX	- Pakistan - Pakistan -Italy -Germany	Sh. Wilayat & Sons, Karachi Shahid International, Lahore Rachena Corporation, Lahore INPRO Pakistan Lahore Creative Electronics Automation Technology Care
7.	Ammeters (Digital) Voltmeters (Digital)	Autonics EMZED F & G Entes Lumel Frer Kael	- Korea -Australia -Turkey -Poland -Italy	Jubilee Corp., Karachi EMZED Engg., Karachi Shahid International, Lahore INPRO Pakistan Lahore, Rachena Corporation, Lahore Creative Electronics Automation

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		INNOMAX		Technology Care
8.	Ammeters (Dial Type) Voltmeters (Dial Type)	Hager Saci DEIF Lumel Frer Kael INNOMAX	- France - Spain - Denmark -Poland -Italy	Jubilee Corp., Karachi Sh. Wilayat & Sons, Karachi Shahid International, Lahore INPRO Pakistan Lahore, Rachena Corporation, Lahore Creative Electronics Automation Technology Care
9.	Selector Switches (Ammeter Selector) ASS (Voltmeter Selector) VSS	Kelvin & Breter Kraus & Niamer BREMAS MERZ INNOMAX	- Italy - NZ land - Italy -Germany	Sh. Wilayat & Sons, Karachi Jubilee Corp., Karachi EMZED Engg., Karachi INPRO Pakistan Lahore, Creative Electronics Automation Technology Care
10.	Instrument Protection Fuses	Legrand SOCOMEC Kaleporselen Siba	- France - France - Turkey -Germany	Shahid International, Lahore Sh. Wilayat & Sons, Karachi Jubilee Corp., Karachi INPRO Pakistan Lahore Creative Electronics Automation Technology Care
11.	Indication Lamps	Fuji Legrand Maruyasu Schneider Electric INNOMAX	- Japan - France - Japan -Europe	Sh. Wilayat & Sons, Karachi Shahid International, Lahore Jubilee Corp., Karachi INPRO Pakistan Lahore, Creative Electronics Automation
12.	Wiring Terminals	CIAMA ONKA INNOMAX	- Spain -Europe -Legrand	Sh. Wilayat & Sons, Karachi Shahid International, Lahore Creative Electronics Automation INPRO Pakistan Lahore, Technology Care
13.	Low tension Cables, Single Core & Multi Core	Pakistan Cables Fast Cable Coppergate	- Pakistan - Pakistan - Pakistan	Pakistan Cables Fast Cable Coppergate
14.	Wiring Accessories (Switches, Sockets, Telephone & Computer Socket)	Orange Srilanka Clipsal,Australia Legrand, France MK – UK Opal	- Imported	Shahid International, Lahore Creative Electronics Automation
15.	ON / OFF Push Buttons	Fuji Legrand Maruyasu Schneider Electric Clipsal	- Japan - France - Japan	Sh. Wilayat & Sons, Karachi Shahid International, Lahore Jubilee Corp., Karachi Creative Electronics Automation INPRO Pakistan Lahore
16.	PVC Conduits & accessories	Dadex (Polydex) Alpha Plasco	- Pakistan - Pakistan - Pakistan	Dadex (Polydex) Alpha Plasco
17.	Fans (Ceiling, Bracket, Exhaust)	Pak Fans Millat Fans	- Pakistan - Pakistan	Pak Fans Millat Fans

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Allied Engineering Consultants (Pvt) Ltd.

		GFC Fans Royal Fans Taimor Fan	- Pakistan - Pakistan	GFC Fans Royal Fan Taimor Fan
18.	CCTV System	-SONY -Hikvision -DAHUA		C-Tech International Lahore Global Light & System, Karachi Creative Electronics Automation
19.	Public Address System/ Sound System	- Optimus, Spain - Digital AV - Bose SONY Samsung	- Spain - -	C-Tech International Lahore Digital Plus, Lahore Creative Electronics Automation
20.	Fire Alarm System	- Notifier by Honey Well - Siemens - Tyco -LIXIN Electronics - Boush -Econosto	- - - -	Haseen Habib Corporations (Pvt.) Ltd. Siemens, Lahore TYCO Fire & Security Ltd, TEE (Technique Electric Engineering) Global Systems, Karachi Creative Electronics Automation Digital Plus, Lahore
21.	Telephone and Computer System	KRONE, 3M LEGRAND, MK Panasonic		
22.	Lighting (Indoor/Street Lighting) (Fluorescent/LED)	Philips Fastlight	- Pakistan - Pakistan	Philips. Fastlight
23	Lightning Arrestor, Surge Arrestors	CPT	Spain	INPRO Pakistan
24	Generator Automation	DATAKOM Technology Care	Turkey	INPRO Pakistan Technology Care
25	Industrial Fan	TECHNOLOGY CARE	LAHORE, PAKISTAN	TECHNOLOGY CARE
26	Street/Flood/ stadium lightning poles.	TECHNOLOGY CARE	LAHORE, PAKISTAN	TECHNOLOGY CARE
27	UPS systems, DATA Centers and associated Cooling Systems	APC by Schneider Electric		INPRO Pakistan
28	GEN SET	Cummins, CAT, FG Welson FPT	----	Cummins, Cat, FG Welson FPT
29	LED Light Fixture	PHILIPS Fastlight		Specified, Approved and Licensed Firms/Distributers/ Manufacturers.

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30	Solar Charge Controller	EP SOLAR, PHOCOS, MORNING STAR, LUMIAX		Specified, Approved and Licensed Firms/Distributers from the following Manufacturers
31	Bus Tie Duct	TECHNIQUE SWITCHGEAR POWERDUCT PAGLINO EAE		M/s Technique Switchgear Lahore Specified, Approved and Licensed Firms/Distributers

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Women University Swabi

FORMS

BID SECURITY PERFORMANCE

SECURITY CONTRACT AGREEMENT

MOBILIZATION ADVANCE GUARANTEE/BOND

PROJECT DIRECTOR
Women University Swabi

BS-1

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 'Procuring Entity') 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 Procuring Entity; and

WHEREAS, the Procuring Entity has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring Entity, conditioned as under:

(1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Procuring Entity, notice of which extension(s) to the Surety is hereby waived;

(2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring Entity 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 Procuring Entity pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring Entity in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Entity for the faithful performance and proper fulfillment 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.

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

PROVIDED ALSO THAT the Procuring Entity 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 Procuring Entity forthwith and without any reference to the Principal (Bidder) or any other person.

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

SURETY (Bank)

WITNESS: Signature _____

1. _____ Name _____

_____ Title _____

Corporate Secretary (Seal) Corporate Guarantor (Seal)

2. _____

_____

Name, Title & Address

PROJECT DIRECTOR
Women University Swabi

PS-1

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Entity]

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 Procuring Entity) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Procuring Entity, 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 Procuring Entity'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 Procuring Entity, 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.

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PS-2

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

PROVIDED ALSO THAT the Procuring Entity 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 Procuring Entity 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

_____

Corporate Secretary (Seal)

Name _____

Title _____

2. _____

_____

Name, Title & Address

_____

Corporate Guarantor (Seal)

PROJECT DIRECTOR
Women University Swabi

CA-1

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of (month) 20_____ between

_____

(hereafter called the "Procuring Entity") of the one part and (hereafter called the "Contractor") of the other part.

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

NOW this Agreement witnessed as follows:

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

2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

   (a) The Contract Agreement;
   (b) The Letter of Acceptance;
   (c) The completed Form of Bid;
   (d) Special Stipulations (Appendix-A to Bid);
   (e) The Particular Conditions of Contract – Part II;
   (f) The General Conditions – Part I;
   (g) The priced Bill of Quantities (Appendix-D to Bid);
   (h) The completed Appendices to Bid (B, C, E to L);
   (i) The Drawings;
   (j) The Specifications.
   (k) _____(any other)

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

4. The Procuring Entity 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.

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

Signature of the Contactor

(Seal)

Signature of Procuring Entity

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)

PROJECT DIRECTOR
Women University Swabi

MG-1

MOBILIZATION ADVANCE GUARANTEE

Guarantee No._____Date _____

WHEREAS _____(hereinafter called the 'Procuring Entity') has entered into a Contract for _____
(Particulars of Contract)
with _____(hereinafter called the "Contractor').

AND WHEREAS, the Procuring Entity 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 Procuring Entity 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 Procuring Entity) (hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Procuring Entity 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 fulfillment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Entity for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Entity shall be the sole and final judge, on the part of the Contractor, shall be given by the Procuring Entity 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.

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MG-2

GUARANTOR (BANK)

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

WITNESS

1. _____

_____
Corporate Secretary (Seal)

2. _____
(Name Title & Address)

_____
Corporate Guarantor(Seal)

PROJECT DIRECTOR
Women University Swabi

Allied Engineering Consultants (Pvt) Ltd.

[Notes on the Conditions of Contract

The Conditions of Contract comprise two parts:

(a) Part I - General Conditions of Contract
(b) Part II - Particular Conditions of Contract

Over the years, a number of "model" General Conditions of Contract have evolved. The one used in these Standard Bidding Documents was prepared by the International Federation of Consulting Engineers (Federation International des Ingenieurs-Conseils, or FIDIC), and is commonly known as the FIDIC Conditions of Contract. (The used version is the fourth edition, 1987, reprinted in 1992 with further amendments).

The FIDIC Conditions of Contract have been prepared for an ad measurement (unit price or unit rate) type of contract, and cannot be used without major modifications for other types of contracts, such as lump sum, turnkey, or target cost contracts.

The standard text of the General Conditions of Contract chosen must be retained intact to facilitate its reading and interpretation by bidders and its review by the Client. Any amendments and additions to the General Conditions, specific to the contract in hand, should be introduced in the Particular Conditions of Contract.

The use of standard conditions of contract for all civil Works will ensure comprehensiveness of coverage, better balance of rights or obligations between Procuring Entity and Contractor, general acceptability of its provisions, and savings in time and cost for bid preparation and review, leading to more economic prices.

The FIDIC Conditions of Contract are copyrighted and may not be copied, faxed, or reproduced. Without taking any responsibility of its being accurate, Pakistan Engineering Council with prior consent of FIDIC Secretariat, has reproduced herein the FIDIC General Conditions of Contract for reference purpose only which cannot be used by the users for preparing their bidding documents. The bidding document may include a purchased copy, the cost of which can be retrieved as part of the selling price of the bidding document. Alternatively, the FIDIC Conditions of Contract can be referred to in the bidding documents, and the bidders are advised to obtain copies directly from FIDIC. *

---

* Add the following text if the bidding documents, as issued, do not include a copy:
"Copies of the FIDIC Conditions of Contract can be obtained from:
FIDIC Secretariat
P.O. Box 86
1000 Lausanne 12
Switzerland
e-mail: fidic.pub@fidic.org – FIDIC.org/bookshop]

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Women University Swabi

ALLIED ENGINEERING CONSULTANTS

FEDERATION INTERNATIONAL DES INGENIEURS-CONSEILS

CONDITIONS OF CONTRACT FOR WORKS OF CIVIL ENGINEERING CONSTRUCTION

PART I GENERAL CONDITIONS WITH FORMS OF TENDER AND AGREEMENT

FOURTH EDITION 1987
Reprinted 1988 with editorial amendments
Reprinted in 1992 with further amendments

Copies of the FIDIC Conditions of Contract 4th Edition, 1987 reprinted in 1992 with further amendments can be obtained from:

FIDIC SECRETARIAT P.O BOX NO. 86
1000 Lausanne 12
Switzerland
e-mail fidic.pub@fidic.org-FIDIC org/bookshop

External Electrification Works (Package 1) at Women University Swabi

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PART II - PARTICULAR CONDITIONS OF CONTRACT (Mandatory Provisions not to be Amended / Substituted except as instructed by KPPRA)

These Particular Conditions of Contract - Part II are additions, deletions and amendments to General
Conditions of Contract - Part I and shall be taken into consideration in interpreting or construing such
clauses. Sub-Clause numbers, if similar as of Part-I, are amendments therein otherwise these are additional Clauses or Sub-Clauses thereto.

Definitions 1.1 (a) (i) The "**Employer**" is "Women University, Swabi" the legal successors and any assignee of such person.

(a) (iv) The "**Engineer**" is "The Project Manager, Allied Engineering Consultants (Pvt) Ltd" as nominated by the Employer 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 to formulate his certifications/recommendations in relation to all outstanding matters, disputes and claims relating to the execution of the Works during his tenure.

Add the following paragraphs:

(a) (vi) **"Employer's Representative" is:**

Project Director
Women University Swabi
Main Campus, Tehsil Topi, District Swabi
Postal Code: 23460

Tel:- **+92 938 281890**

Email: pd.psdp@wus.edu.pk

or any other competent person appointed in writing by the Employer and shall take effect on delivery of such appointment to the Engineer and the Contractor. The Employer may from time-to-time delegate to the Employer's Representative any of the duties and authorities vested in the Employer and may at any time revoke such delegation.

Any communication given by the Employer's Representative to the Engineer and the Contractor in accordance with such delegation shall have the same effect as though it had been given by the Employer.

(a) (vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or joint venture submitting a Tender.

(b) (v) Add the following at the end of the paragraph:

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

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(vi) Add the following at the end of the paragraph:
The word "Bill of Quantities" is synonymous with "Estimate including Premium"

Add the following paragraph:

(c) (ix) "**Programme**" means the programme to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.

(d) (i) Delete the text and substitute:

"**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 Procuring Entity before carrying out his duties in accordance with the following Clauses:

(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-Clause 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 (PCC 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 less than the amount stated in the Appendix-A to Bid.

(ix) Fixing rates or prices under Clause 52.

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(x) Extra payment as a result of Contractor's claims under Clause 53.

(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".

(Note: Procuring Entity may further vary according to need of the project)

* (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

The following paragraph is added:

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.

2.8 Replacement of the Engineer

"If the Procuring Entity intends to replace the Engineer, the Procuring Entity 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. The Procuring Entity shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Procuring Entity, with supporting particulars."

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5.1 Language(s) and Law

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

5.2 Priority of Contract Documents

Delete the documents listed at (1) to (6) of the Sub-Clause and
Substitute with the following:
(a) The Contract Agreement;
(b) The Letter of Acceptance;
(c) The Completed form of Bid;
(d) Addenda (if any)
(e) Special Stipulations (Appendix-A to Bid);
(f) The Particular Conditions of Contract – Part II;
(g) The General Conditions of Contract – Part I;
(h) Special Provisions

(i) **For scheduled items:**
1). Priced Bill of Quantities (Appendix-D to Bid)
2). Drawings (Volume III)
3). Miscellaneous Details (Volume – IV)
4). Appendices to Bid (Excluding Appendix A & D)
5). Applicable West Pakistan Standing Rates Committee Specifications

For non-scheduled items:
1). Drawings (Volume III)
2). Miscellaneous Details
3). Technical Specifications (Volume-II), Technical Provisions.
4). Priced Bill of Quantities (Appendix-D to Bid)
5). Appendices to Bid (Excluding Appendix A & D)
(j) Any other document forming Part of the Contract by Reference;

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.

Add the following Sub-Clauses:

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.

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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.

9.1 Contract Agreement

The Contract Agreement, Performance Security, and other Bond/Guarantees/Sureties shall be prepared and completed at the cost of the Contractor. The Contractor shall prepare six (6) copies of the Contract Document (including all the volumes / documents listed in the Contract Agreement) along-with copies of all the bonds/Guarantees/Sureties, at his cost and shall submit the same to the Employer.

10.1 Performance Security

The text is deleted and substituted with the following:

The Contractor shall provide Performance Security to the Procuring Entity in the prescribed form. The said Security shall be furnished or caused to be furnished by the Contractor within 14 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 from any Scheduled Bank in Pakistan or (b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan.

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

The following Sub-Clause10.4 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 Program to be Submitted

Delete the text and substitute with the following:

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The Contractor shall prepare and submit the programme of the work acceptable to the Engineers with in fourteen (14) days of the receipt of Letter of Acceptance for agreement of the Engineer and approval of the Employer. This programme shall identify and highlight those activities which are on the critical path.

The time schedule may be adjusted from time to time but the contractual completion date shall remain un-changed in accordance with the Bid documents unless extensions of time are approved in accordance with the contract.

The programme should be computerized and drawn-up on the critical path method. Progress reporting by the Contractor should be supported, on a monthly basis with an update analysis of the progress including a statement on items, which are or are to become critical to the progress of the Work, along with the proposal on how the Contractor intends to alleviate the situation. Programme should include complete sequence of activities. Programme to be Primavera based and updated with actual progress continually.

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 21 days from the date of receipt of Letter of Acceptance

The following Sub-Clause 14.5 is added:

14.5 Detailed Program and Monthly Progress Report

a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed program for the following:

(1) Execution of Works;
(2) Labor 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 not later than the 5th day of the following month, 5 copies each of Monthly Progress Reports covering:

(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 program 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.

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(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 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 authorized 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. The Engineer / Procuring Entity, however, may relax conditions of the language from English to other local languages if deemed appropriate.

15.3 Contractor's Representative

The Contractor's authorized representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council. The Contractor's authorized representative at Site shall be authorized to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

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. The Engineer / Procuring Entity, however, may relax conditions of the language from English to other local languages if deemed appropriate,

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 and KPK with such modifications thereto as the Engineer may authorize or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

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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 Procuring Entity's Risks

The Procuring Entity'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 Procuring Entity 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; and

(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

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Contractor is bound to provide all the below mentioned insurance policies for the persons, works and equipment, etc. on the Contract.

(a) General Requirements

The Engineer/Engineer's Representative and their designate staff for supervision of work shall be included as an insured party against all risks and liabilities. The Contractor shall insure with any one of the Insurance Companies approved for this purpose by the Employer in the joint names of the Employer, the Engineer, and the Contractor against all loss or damages as stated in the General Conditions and as stated herein.

Notwithstanding the responsibilities of the Contractor for indemnities and insurance as described above, the Contractor before commencing work on Site, must discuss fully with the Engineer & Employer the Insurance coverage provided by each under any general policies which are to be applied to this Contract to ensure that there are no contingencies left uncovered and to reduce, as far as practicable, duplication of coverage. Should any areas of possible damage or loss be discovered that are not covered by definition of responsibilities set out in these conditions, the addition or reduction in premiums required to give such insurance coverage will be paid by the Contractor and the policies obtained by the mutual agreement of the Employer and the Contractor.
All payments will be in Pakistan Rupees required to replace the damaged items.

The Contractor shall be responsible for deductibles and losses not covered by insurance.
An insurance loss shall not affect the Employer's or Contractor's rights and obligations under the Contract.

All policies shall state that:

i. the Employer shall receive at least twenty-eight (28) days written notice of intended cancellation or change affecting coverage.

ii. the Contractor is fully protected so as to provide full indemnity to Employer in respect of liability against loss or damage assumed by the Contractor under the Contract.

iii. the inclusion of more than one Insured shall not affect the rights of any other insured.

The Contractor shall be responsible for observance by his Sub Contractor(s) of insurances noted herein. Before each Sub Contractor starts work the Contractor shall give the Employer proof that the Sub contractor(s) are covered by insurance equivalent to that specified herein for the Contractor.

(b) The Contractor shall include the following insurances:

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i. Third Party Liability Insurance

Risks insured: bodily injury, death and property damage.

Scope of coverage: contractual liability, tortuous liability, premises and operations liability, Contractor's contingent liability with respect to Sub Contractor's operations.

Minimum limit: as indicated in Annexure 'A' to the Form of Bid inclusive, each occurrence.

ii. All Risk Property Insurance:

All risks including fire, flood, storm and earthquake.

Scope of coverage: the Works, during the entire duration of the Contract including the Period of Maintenance, and all permanent, temporary and consumable materials related to the Works which are in storage, in transit or at site of the Works.

Minimum limit: the sum of the Contract Price plus fifteen percent (15%). This policy shall state that:

(a) if a loss occurs the Contractor, the Employer and the Engineer shall be paid in relation of their share of the loss
(b) (Waiver of subrogation) the Insurer has no subrogation rights against any person, corporation or organization (including directors, officers, employees, servants and agents thereof) which: is an Insured under the policy, or is controlled by, owned by, or associated with an Insured, or is a Sub Contractor on the Works, or has, before a loss occurs, been released from liability by an Insured.

"Hold harmless" provisions: The Employer and the Contractor shall be indemnified against all losses.

Employer use or occupancy: If the Employer uses or occupies all or part of the Works during the life of the Policy the Contractor shall ensure that the policy continues in full force and the Employer shall pay any resulting extra cost of insurance.

Loss Procedure: If a loss occurs the Contractor shall, on behalf of the Employer and himself negotiate the value of the loss with the insurer. Unless directed otherwise by the Engineer, when agreement is reached the Contractor shall repair all damage and the Employer shall pay him, in accordance with the

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Engineer's certificates, for that part of the repairs which is the Employers responsibility.

If directed by the Engineer, instead of carrying out repairs, the Contractor shall pay to the party suffering the loss that part of the agreed value of the loss which is the Contractor's responsibility.

iii. All Risk Contractor's Plant Insurance

Scope of coverage: all construction machinery plant used by the Contractor for the Works.

iv. Automobile Liability Insurance.

Risks insured: Bodily injury, death, property damage and theft.

Scope of coverage: all licensed vehicles owned, hired operated or licensed by the Contractor.

Minimum limit: as indicated in Annexure 'A' to the form of Bid inclusive each occurrence.

Cost of compliance with the requirements of this sub-clause and providing all insurance policies shall be borne by the Contractor.

21.2 Scope of Cover

Para. (a) of Sub-clause 21.2 is amended by deletion of the words "from the start of work at the site." and by the substitution therefore of the words "from the first working day after the Commencement Date.".

In Part I, the following is added as sub-para (c) under Sub-Clause 21.2,

c) It shall be the responsibility of the Contractor to notify the insurer of any change in the nature and extent of the Works and to ensure the adequacy of the insurance coverage at all times during the currency of the Contract.

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 Para (a) (i) to (iv).

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The following Sub-Clause 25.5 is added:

25.1 Evidence and Terms of Early Completion

Sub-Clause 25.1 of the General Conditions of Contract Part-I, the first sentence "The Contractor shall ..... Policies to the Employer" is deleted and substituted with the following sentence.
"The Contractor shall provide evidence to the Employer as soon as practical but in any case, prior to the start of the work at site that the insurances required under the Contract have been affected and shall provide the insurance policies to the Employer."

Following new paragraph is added at the end.

The Contractor shall also submit in original the receipts of all the premiums paid by the Contractor in connection with the above insurances.

Add the following Sub-Clause:

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 operating in Pakistan and acceptable to the Procuring Entity.

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 Procuring Entity 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 Labor

The Contractor shall pay rates of wages and observe conditions of labor not less favorable 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 labor so established, the Contractor shall pay rates of wages and observe conditions of labor which are not less favorable than the general level of wages and conditions observed by other Procuring Entities 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

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

34.4 Housing for Labor

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 labor, 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 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 labor 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 labor.

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 labor.

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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 labor have due regard to all recognized 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 labor 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 preferably in KPK 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:

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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:

48.2 Taking Over of Sections or Parts

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

Delete the words "after due consultation.....Engineer and the Contractor" in seventh to ninth line and replace with following:

"The valuation will be carried out on the basis of applicable item rates of **KPK-MRS-2025 (1st Bi Annual)**, failing which the valuation will be carried out by the Engineer on the basis of current market rates with the resource input based on similar items of **KPK-MRS-2025 (1st Bi Annual)** deduced there from so far as it is practicable to do so. Failing all above, the valuation will be carried out by the Engineer on the basis of actual input with the application of current market rates for labour, material etc. after due consultation with the Employer and the Contractor. No escalation on account of material, labour, POL etc. shall be allowed on such items if the valuation is carried out on the basis of current market rates and the percentage of overheads, taxes & profit, etc. to be allowed in such cases shall be twenty one percent (21.5%)."

In the tenth line, after the words "Engineer shall" add the following: -

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

Add the following Para at the end of sub-clause 52.1 of Part-I:

The approval / finalization of rates of all variations shall not relieve the Contractor of his obligations under the Contract. The Contractor shall neither stop the work nor slow down the progress of the Works in awaiting the approval of rates of all variations.

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.3 Customs Clearance

(Procuring Entity may vary this Sub-Clause)

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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 Procuring Entity 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 Procuring Entity, the amount which the nominated Subcontractor was directly paid by the Procuring Entity.

60.1 Monthly Statements

In Para (c) delete the words "the Appendix to Tender" and substitute with the words "Sub-Cause 60.11 (a) (6) hereof".

60.2 Monthly Payments

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

60.10 Time for Payment

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Delete the text and substitute 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 28 days after such Interim Payment Certificate has been delivered to the Employer, or, in the case of the Final Certificate referred to in Sub Clause 60.8, within 56 days after such Final Payment Certificate has been delivered to the Employer. In the event of failure of the Employer to make payment within the times stated due to circumstances beyond his control, the Employer shall not pay to the Contractor any interest or compensation of any sort.

Add the following Sub-Clauses: The following Sub-Clause 60.11 is added:

60.11 Financial Assistance to Contractor

Financial assistance shall be made available to the Contractor by the Employer by adopting the following method.

Mobilization Advance

a) Mobilization Advance up to fifteen percent (15%) of the Contract Price stated in the Letter of Acceptance shall be paid by the Employer to the Contractor in two equal parts 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, as per prevailing Provincial Government Rules at the time of signing the agreement.

(1) First part within 14 days after signing of the Agreement or the date of receipt of Engineer's Notice to Commence, whichever is earlier; and

(2) Second part within 42 days from the date of payment of the first part, subject to the satisfaction of the Engineer as to the state of mobilization of the Contractor, bringing/installing/erecting of equipment mentioned in Appendix-G to Bid to complete full requirement for the entire work, having fulfilled his obligation under the contract agreement for provision of facilities for the Engineer and after achievement of progress to the extent of two percent (2%) value of the Works.

b) This Advance shall be recovered in equal instalments; first instalment at the expiry of second month after the date of payment of first part of Advance and the last instalment two months before the date of completion of the Works as per Clause 43 hereof.

60.13 Recovery of Retention Money

An amount equal to ten percent (10%) of the contract price shall be retained from interim payments against work done as retention money. The maximum amount of retention money shall be Eight (8%) percent of the Contract price.

60.14 Withholding Of Payment

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The Employer at his own or on the recommendations of the Engineer may withhold the whole or part of any payment requested by the Contractor if it is necessary in his opinion to protect himself against losses on account of the following reasons:

i) Defective work not rectified.

ii) Non-fulfilment of any due demand and guarantee or renewal of any guarantee or surety.

iii) Claims if third parties raised against the Employer caused through the fault of the Contractor in connection with the works.

iv) Damage caused by the Contractor or his personnel or any sub-contractor, to the Employer, or to a third party on the site.

v) Non-fulfilment of the Contract by the Contractor.

vi) Non-fulfilment of the Contractual Obligation towards submittal of Shop Drawings, Bar Bending Schedules, Samples, erection of Mock-Up samples, As-built drawings, etc.

b) After the reasons of withholding of payments have been eliminated to the satisfaction of the Employer and the Engineer, payments to the Contractor will be undertaken by the Employer without delay.

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 Procuring Entity against the Contractor under this Clause, the Procuring Entity 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 as well as under the prevailing rules of KPPRA.

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).

65.6 Out Break of War

In sub-clause 65.6, delete "in any part of the World" from the second line of the paragraph.

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.

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The following paragraph is added:
The place of arbitration shall be **Peshawar, 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 Procuring Entity 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 Procuring Entity and Engineer

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

a) The Employer's Representative:

Project Director
Women University Swabi
Main Campus, Tehsil Topi, District Swabi
Postal Code: 23460
Tel:- +92 938 281890
Email: pd.psdp@wus.edu.pk

b) The Engineer:

Project Manager
Allied Engineering consultants
H.No.7, Usmania Street, Warsak Road, Peshawar
Contact No: 091-5200283

69.1 Default of Employer
In Sub-Clause 69.1 (a), substitute "56 days" for "28 days".

69.4 Contractor's Entitlement to Suspend Work
In 6th line of Sub-Clause 69.4, substitute "56 days" for "28 days".

70.1 Increase or Decrease of Cost

Delete Sub-Clause 70.1 in its entirety, and substitute with the following:

The amounts payable to the Contractor, pursuant to Sub-Clause 60.1, shall be adjusted in respect of the rise or fall in the cost of labor, materials, and other inputs to the Works, by applying to such amount the formula prescribed in this Sub-Clause.

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(a) Other Changes in Cost

To the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates and prices included in the Contract shall be deemed to include amounts to cover the contingency of such other rise or fall of costs.

(b) Adjustment Formula

The adjustment to the monthly statements in respect of changes in cost shall be determined from the following formula:-

$$Pn \quad A+ \quad b\frac{Ln}{Lo}+ \quad c\frac{Mn}{Mo}+ \quad d\frac{En}{Eo}+ \quad \ldots\ldots\ldots\ldots\ldots$$

Pn is a price adjustment factor to be applied to the amount for the payment of the work carried out in the subject month, determined in accordance with Paragraph 60.1 (a), and with Paragraphs 60.1 (b) and (e), where any variations and day work are not otherwise subject to adjustment;

A is a constant, specified in the Appendix-C to Bid, representing the nonadjustable portion in contractual payments;

b, c, d, etc., are weightages or coefficients representing the estimated proportion of each cost element (labor, cement and reinforcing steel etc.) in the Works or Sections thereof, net of Provisional Sums and Prime Cost; the sum of A, b, c, d, etc., shall be one;

Ln, Mn, En, etc., are the current cost indices or reference prices of the cost elements for month "n", determined pursuant to Sub-Clause 70.1(d), applicable to each cost element; and

Lo, Mo, Eo, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in Sub-Clause 70.1(d).

(c) Sources of Indices and Weightages

The sources of indices shall be those listed in the Appendix-C to Bid.

(d) Base, Current, and Provisional Indices

The base cost indices or prices shall be those prevailing on the day28 days prior to the latest date for submission of bids. The current date price (or base date index) of any element shall be the price of the element which was prevalent twenty-eight (28) days prior to the start of the execution month to which a particular monthly statement is related. The unit of

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time shall be a calendar month.

(e) Adjustment after Completion

If the Contractor fails to complete the Works within the time for completion prescribed under Clause 43, adjustment of prices thereafter until the date of completion of the Works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices, whichever is more favorable to the Employer, provided that if an extension of time is granted pursuant to Clause 44, the above provision shall apply only to adjustments made after the expiry of such extension of time.

(f) Weightages

The weightages for each of the factors of cost given in the Appendix-C to Bid shall be adjusted if, in the opinion of the Engineer, they have been rendered unreasonable, unbalanced, or inapplicable as a result of varied or additional work executed or instructed under Clause 51. Such adjustment(s) shall have to be agreed in the variation order.

71&72 Currency & Rates of Exchange

Delete the Clauses in their entirety.

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes.

73.2 Cost Inclusive of Duty & Taxes

The rates and prices stated in the priced Bill of Quantities shall be deemed to include every element of duty or tax liveable on or in relation to the production, import, purchase, sale, delivery and transportation of materials and to the bringing thereof to the Site and no such duty or tax shall be separately reimbursable.

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 Procuring Entity 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;

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(b) Terminate the Contract; and

(c) Recover from the Contractor any loss or damage to the Procuring Entity 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 Procuring Entity under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Procuring Entity's Convenience

The Procuring Entity shall be entitled to terminate the Contract at any time for the Procuring Entity'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 Procuring Entity 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 labor laws including the Workmen's Compensation Act and the Procuring Entity shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labor 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 Procuring Entity for the fulfillment 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 Procuring Entity.

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 Procuring Entity 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.

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79.1 Precaution for Pollution

Precautionary measures and facilities shall be provided by the Contractor at his own cost in carrying out the Works including dumping and disposal of spoils, in the manner approved by the Engineer to prevent environmental pollution.

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SPECIFICATIONS-
SPECIAL PROVISIONS

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SPECIFICATIONS – SPECIAL PROVISIONS

1. GENERAL

1.1 Specifications – Special Provisions shall form an integral part of Bid and the Contract documents.

1.2 The Contractor shall notify all sub-contractors of the provisions of these Special Provisions.

2. DESCRIPTION OF PROJECT, WORKS INVOLVED AND SITE

Women University, Swabi intends to construct the new blocks within its premises. The construction works are divided into different Packages. Works under Package-4 includes **External Electrification Works** and other ancillary works, **Strengthening of Women University, Swabi (New Campus)** as per approved design and drawings.

The scope of works mainly comprises construction of civil, electrical, communication, water supply, sewerage, drainage works, etc. and related ancillary works lying within the boundaries and limits shown on the Drawings and any such additional areas adjacent thereto as may be designated by the Engineer from time to time for the construction to be performed under the Contract, and all such areas and additional areas shall be comprised in the Site.

3. CODES, STANDARDS AND CERTIFICATES

A. Applicable Standards Except as otherwise provided by these Specifications or the Drawings, all materials, equipment and fabrication and testing thereof shall conform to the latest applicable standards and codes referred in the Specifications by use of the abbreviations explained below:

ASCE American Society of Civil Engineers
ASA American Standard Association
ACI - American Concrete Institute (USA)
AISI - American Iron and Steel Institute (USA)
AISC - American Institute of Steel Construction (USA)
ANSI - American National Standard Institute (USA)
ASTM - American Society for Testing and Materials (USA)
AASHTO - American Association of State Highway & Transportation Officials.
AWS - American Welding Society (USA)
BS - British Standards (UK)
CP - Codes of Practice (UK)
ICAO International Civil Aviation Organization
BSICP British Standard Institute Code of Practice
PS - Pakistan Standards (Pak)
PCA Portland Cement Association PSI Pakistan Standard Institute
SSPC - Steel Structures Painting Council (USA)
UBC - Uniform Building Code (USA)

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USBR - United States Bureau of Reclamation (USA)

If the Contractor, at any time and for any reason, wishes to deviate from the above standards or desires to use material or equipment not covered by the above standards, he shall state the exact nature of the changes, the reason for making the change and shall submit complete specifications of the materials and equipment to the Engineer for approval.

B. Standards other than those Specified

Where requirements for materials or equipment are specified by reference to a standard which has its origin in one country, it is not the intention to restrict the requirements solely to that standard and that country. Other standards, including standards of other countries, will be accepted provided the requirements thereof, in the sole opinion of the Engineer, are at least equal to the requirements of the standard specified. The Contractor may propose to the Engineer an equivalent standard other than that specified, in which case he shall submit the proposed standard and all other information required and shall submit written proof that his proposed standard is equivalent in all significant respects to the standard specified. All submissions must be made in the English language.

C. Codes and Standards at Site

The Contractor shall supply and have at his site office: -

a) Copies of all latest editions of codes and standards referred to in these Specifications or equivalent codes and standards as approved by the Engineer.

b) Catalogues and published recommendations from manufacturers supplying products and materials for the project.
c) The Contractor shall provide manufacturer's or supplier's materials which must meet the requirements of a specific code or standard as stated in these Specifications.

4. MANUFACTURER'S RECOMMENDATIONS

Installation of manufactured items shall be in accordance with the vendor list or as approved by the Engineer.

5. UNITS OF MEASUREMENTS

The FPS System of Units shall be used throughout the Project.

6. EXISTING CONDITION AT SITE

Drawings and information pertaining to existing project conditions are furnished for reference. Neither the Employer nor the Engineer warrants the adequacy or correctness of

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these. The Contractors are encouraged to visit the project site to assess the existing site conditions.

7. PROTECTION AND PRECAUTIONS

The Contractor and his sub-contractors shall afford all necessary protection to existing structures and will be required to make good at his own expense any damage done to such structures through his own or his representatives or subcontractors' fault and negligence.

The Contractor and his sub-contractors shall afford all necessary protection to existing roads in the area. He will clear and make good at his own expense any damage to or debris on these roads through his own fault and negligence. He must at all-time ensure the free and normal flow of traffic and shall not cause obstruction to the traffic system. The Contractor and his sub-contractors shall provide and maintain necessary protection and precautionary measures such as warning signs, warning lamps and barricades etc. to prevent accidents.

The Contractor shall promptly correct all such damage to original condition at no additional expense to the Employer.

The Contractor shall cooperate with trades performing work under other Contracts as necessary for completion.

8. SEQUENCE OF CONSTRUCTION

The Contractor shall submit his proposal for approval of the Engineer the sequence of Construction, prior to starting the works. The works shall be executed as per approved sequence of construction

9. LINES AND LEVELS

Survey control points will be established by the Engineer. The Contractor shall be responsible for verifying these and shall be responsible for all requirements necessary for the execution of any work to the locations, lines, and levels specified or shown on the drawings, subject to such modifications as the Engineer may require as work progresses.

10. PLANT, EQUIPMENT AND TOOLS

The Contractor shall provide at his cost modern plant, equipment and tools, adequate and befitting to the nature, magnitude and size of this Contract, in strict compliance with the requirements of the General Conditions of Contract, Conditions of Particular Applications and Technical Specifications.

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11. PARTIAL POSSESSION

Whenever, as determined by the Employer any portion of work performed by the Contractor is in a condition suitable for use, the Employer may take possession of or use such portion.

Such use by the Employer shall in no instance be construed as constituting final acceptance, and shall neither relieve the Contractor of any of his responsibilities under the Contract, nor acts a waiver by the Employer of any of the conditions thereof, provided that the Contractor shall not be liable for the cost of repairs, re-work, or renewals which may be required due to ordinary wear and tear resulting from such use. However, if such use increases the cost or delays to the completion of remaining portions of work, the Contractor will be entitled to an equitable adjustment.

If, as a result of the Contractor's failure to comply with the provision of the Contract, such use proves to be unsatisfactory, the Employer will have the right to continue such use until such portion of the work can, without injury to the Employer, be taken out of service for correction of defects, errors, omissions, or replacement of unsatisfactory materials or equipment, as necessary for such work to comply with the Contract; provided that the period of such operation or use pending completion of appropriate remedial action shall not exceed twelve months unless otherwise mutually agreed upon in writing between the parties.

12. EXISTING SERVICES

The Contractor shall search for, find, locate and protect any wiring, cable, duct, pipework, etc., within or immediately adjoining the site area.

The Contractor shall take full responsibly for safety of existing service lines, utilities and utility structures uncovered or encountered during excavation and construction operations.

The Contractor shall take full responsibility for damaging any such service lines, utility/utility structure and any cost and/or expense that arises or issues from any such damage shall be borne directly by himself. Should any damage to any such service occur the Contractor shall forthwith take remedial action, initiate safety precautions, install temporary services and carryout repair all at his own cost and expense and inform the Engineer and notify all relevant authorities.

Existing utilities which are to remain in service for or after the works are to be determined by the Contractor. If any existing service lines, utilities and utility structures which are to remain in service are uncovered or encountered during these operations, they shall be safeguarded, protected from damage, and supported. The Contractor shall preserve, maintain and keep perfect working conditions, any existing facilities required to be preserved by the Employer/the Engineer.

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13. CONSTRUCTION AREA AND ACCESS

The Employer will provide the Contractor possible space within or nearby the area of site of works for the storage of plant, equipment and materials and for Contractor's temporary office, during the currency of the Contract. In case the adjacent area as required by the Contractor is not available within the Project boundary for storage of plant, equipment and machines then the Contractor shall arrange at his own expense possible space for storage of plant, equipment and machines at his own cost and expense. On no account shall such temporary installations conflict/interfere with any of the permanent installations, services and any operational function of Employer. The handling and storage of all plants, equipment and materials at site shall be the sole responsibility of the Contractor and at no risk and cost to the Employer.

The Contractor shall protect all material against corrosion, mechanical damage or deterioration during storage and erection on site. The protection methods shall be to the approval of the Engineer

14. CONSTRUCTION & CHECKING AT SITE

The Contractor shall submit to the Engineer in due time for approval and discussion, his proposals and plans as to the method and procedure to be adopted for the temporary and permanent works involved.

The submitting to these suggestions and arrangements, and the approval thereof by the Engineer shall not relieve the Contractor of his responsibilities and duties under the Contract.

The carrying out of all work included in the Contract is to be supervised by a sufficient number of qualified representatives of the Contractor and full facilities and assistance are to be afforded by the Contractor for the Engineer or his Representative to check & examine the execution of the work.

The Engineer reserves the right to inspect all parts of the works but may at his discretion waive inspection on certain items. This shall in no way absolve the Contractor from his responsibilities. This particularly applies to the checking of materials, the accurate setting out of foundations, and to the leveling, setting and aligning of the various parts, and to the proper fitting and adjustment of manufactured and finished materials and fixtures in position.

If the Engineer or his Representative find that the work progress is slow in such a way that the works or parts thereof will not be completed in the time specified, then he shall order the Contractor to work overtime or in shifts and the Contractor shall comply. These arrangements will be free of all financial encumbrances and at no additional costs to the Employer.

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In the event of night work, the Contractor shall provide sufficient and adequate lighting to the satisfaction of the Engineer or his Representative and shall supply the necessary manpower for satisfactory continuation of the work after normal hours.

15. STORAGE & HANDLING FACILITIES

The Contractor shall make his own arrangements for providing the necessary space for the storage of plant, equipment and materials and for Contractor's temporary office, in and around the site of works, during the currency of the Contract.

16. PRODUCT DATA

Manufacture's standard schematic drawings shall be modified or deleted to indicate only information which is applicable to the project. Such standard information shall be supplemented to provide all additional applicable information.

Manufacturer's catalogue sheets, brochures, diagrams, schedules, performance charts, illustrations and other standard descriptive literature shall be clearly marked to identify pertinent materials products or models. Dimensions and required clearances shall be indicated. Shop performance characteristics and capacities shall be noted.

17. PRODUCT QUALITY AND HANDLING

Suppliers of local and foreign products and installations specified shall have been regularly engaged in the business of manufacturing, fabricating, installing and / or servicing work required for a period not less than 5 years. In addition, the Engineer may request as appropriate a:

- List of similar installations that describes project, scope and date of completion.
- Complete literature, performance data, and technical data.
- List of services record within Pakistan. - Location of service office from which this installation could be maintained.

For the actual fabrication, installation and testing of the specified work use only thoroughly trained and experienced workmen completely familiar with the items required and with the manufacturers recommended methods of installation. In acceptance or rejection, no allowance will be made for the lack of skill on the part of workmen.

Use all means necessary to protect materials before, during and after installation and to protect the installed work and materials of all other trades. In the event of damage, immediately make all repairs and replacement necessary for approval and at no additional cost to the Employer.

18. INSPECTION & TESTS REPORTS

All equipment and materials furnished under these specifications and all work performed in connection therewith will be subject to rigid inspection by the Engineer or the Engineer's Representative. Acceptance of equipment and material or the waiving off inspection

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thereof shall in no way relieve the Contractor of his responsibility for meeting the requirements of the Contract.

The Contractor shall furnish the Engineer with certified true copies of test reports of all materials used in the manufacture and fabrication of all equipment and material including metal work, steel pipes, fire bricks etc. The result of these tests shall be in such form as to show compliance with the applicable Specifications, standards and codes for the material used.

19. FIELD LABORATORY AND TESTING

19.1 General

The Contractor shall provide and maintain a field laboratory equipped with approved equipment to perform all the tests required by the Engineer. The quality control testing shall be performed by the Contractor's competent personnel in accordance with a site testing and quality control program to be established by the Contractor and approved by the Engineer. The Engineer may however, require certain tests to be performed in any other laboratory designated by him.
The Contractor shall provide laboratory helpers to the Engineer for testing. The laboratory shall be run by a qualified material Engineer and Laboratory Technician to be employed by the Contractor.

The Field Laboratory, including all equipment and staff shall be placed at the disposal and direction of the Engineer during the Contract.

The Contractor shall keep a complete record of all quality tests performed on site

All quality control and tests shall be carried out in accordance with applicable standards and codes.

19.2. Field Laboratory Equipment Requirements

The Laboratory shall be equipped with new unused and latest Equipment to perform tests as per Technical Specifications and General Conditions of Contract. Additional equipment/materials shall be supplied by the Contractor as and when required by the Engineer to perform any specified test, at no additional cost to the Employer.

The laboratory shall also be equipped with new unused furniture, fittings and fixtures. If any equipment, furniture, fitting or fixture becomes unserviceable for any reason what so ever, the Contractor shall promptly replace the same as and when directed by the Engineer.

19.3. Testing Laboratory Certificates

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The Engineer may accept a certificate from a commercial testing laboratory, satisfactory to him, certifying that the product has been tested within a period acceptable to the Engineer and that it conforms to the requirements of these specifications.

19.4. Method of Payment

The cost of providing running and maintenance of the laboratory, equipment, materials and staff, testing charges for materials supplied by the Employer and all other tests to be performed in any other laboratory designated by the Engineer shall be deemed to be included in the price quoted by the Contractor and no separate claim for payment on this account shall be entertained by the Engineer. Furthermore, the cost of any additional laboratory, field and shop tests required through the resubmission of samples because of failure of compliance with Specifications shall be borne by the Contractor.

In case the Contractor does not provide the specified equipment and testing facility, cost of testing plus 100 percent overheads shall be recovered from his bills.

20. SURVEYING INSTRUMENTS

20.1 General

The minimum quantity of survey equipment is stated below which shall be available with the Contractor at site of Works along with qualified Surveyors and Survey Helpers. The equipment shall be maintained throughout the Contract Period and replaced by the Contractor in case of damage or loss. The survey equipment shall be made available to the Engineer when requested. All surveying equipment shall be in good working condition.

20.2 Surveying Equipment Required

The Contractor shall provide and maintain the following surveying equipment at site. a) Total Station with staff 01 No. b) Automatic Levels with tripods & staff 02 Nos. d) All other miscellaneous tools, equipment and materials required in surveying.

21. APPROVAL OF MATERIALS AND PLANT

21.1 Quality of Materials

All materials, fixtures, fittings, supplies and plant furnished under the Contract shall be new and unused, standard first grade quality and of the best workmanship and design. No inferior or low-grade materials, supplies or articles will be either approved or accepted, and all work of assembly and construction shall be done in a first-class and workmanlike manner. In asking for prices for materials intended for delivery to the Site and incorporation in the Works under any portion of these Specifications, the Contractor shall provide the manufacturer or supplier with complete information as may be necessary to secure compliance to this Clause and, in every case, he shall quote this Clause in full to each such manufacturer or supplier.

21.2 Submission of Samples and Data

21.2.1 The Contractor shall furnish for approval of the Engineer with reasonable promptness all samples as directed by the Engineer or specifically called for in the Specifications and in accordance with the time schedule provided in the schedule of

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submittals. The Engineer shall check and approve such samples with reasonable promptness only for conformance with the design concept of the Works and for compliance with the information given in the Contract Documents. All work shall be in accordance with approved samples.

21.2.2 Samples shall be furnished so as not to delay fabrication, allowing the Engineer reasonable time for consideration of the sample submitted.

21.2.3 Each sample shall be properly labeled with the name and quality of the material, manufacturer's name, name of the project, the Contractor's name and the date of submission, and the Specifications Article number to which the sample refers.

21.2.4 The manufacturer's installation directions shall be provided with each sample. The Contractor shall pay all transportation costs and deliver samples to the Engineer's office, Site or testing laboratory as directed by the Engineer.

21.2.5 Samples shall be of adequate size to permit proper evaluation of the material by the Engineer. Where variations in color, texture, dimensions or other characteristics are to be expected, the Contractor shall submit samples showing the maximum range of variation. Materials exceeding the range of variation of the approved samples shall not be used on the Work.

21.2.6 In order to permit coordinated selection of colors and finishes, the Contractor shall deliver samples of all related items to the Engineer at one time. Samples of such materials will not be approved until all related samples have been submitted.

21.2.7 If both Shop Drawings and samples are required for the same item, the Engineer may require both to be submitted before approving either.

21.2.8 The Contractor shall erect Mock-up samples of finished items where specifically called for in the documents or as directed by the Engineer. The Mock-up samples shall be preserved/protected by the Contractor till the end of the project or as directed by the Engineer.

21.2.9 No acceptance or approval of any Shop Drawings or sample, or any indication or request by the Engineer on any Shop Drawings shall constitute an authorization for any increase in the Contract Sum.

21.3 Inspection All material and Plant furnished and all work performed under this Contract will be subject to inspection by the Engineer at all times and in all states of completion both off-Site and on-Site. The Contractor shall furnish promptly without additional charge, all facilities, labor and materials reasonably needed for performing such inspection and testing as may be required by the Engineer

21.4 Approved Sample At Site The Contractor shall, at all times, keep on the Site approved samples. All such samples shall be made available to the Engineer as and when required.

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22. BAR BENDING SCHEDULE

Bar bending (reinforcement bars) schedule of all structural drawings shall be prepared by the Contractor and submitted in triplicate to the Engineer for approval.

23. DRAWINGS

23.1 Bid Drawings Bid Drawings issued with the Bid Documents, called the Bid Drawings, show scope of the work to be performed by the Contractor. The Drawings are generally in sufficient detail so as to be used as a basis for construction, fabrication and for placing orders for materials subject to corrections based on the future issue of supplementary Drawings as provided under Sub-Clause 12.2 hereof.

23.2 Construction Drawings, Supplementary Drawings Upon commencement of the works and furnishing by the Contractor stake out survey plan & natural ground levels, the Engineer shall issue Construction Drawings to the Contractor. The Construction drawings may be issued in stages, where necessary. The Engineer shall have authority to issue to the Contractor, from time to time, such supplementary Drawings and instructions as shall be necessary for the purpose of the proper and adequate execution and completion of the Works and the remedying of any defects therein. The Contractor shall follow these drawings. When additional information regarding the geological formations or other conditions becomes available, the Engineer may find it desirable to change dimensions or design of one or more of the features of the Works to conform to the newly disclosed conditions. The Engineer reserves the right to make such reasonable changes, and the Contractor's operations shall be conducted so as to accommodate any such reasonable changes in the Works.

23.3 Definition of Term Drawings the Term Drawings as used in the Specifications means the Drawings referred in Clauses 12.1 and 12.2 above. 23.4 Checking of Drawings the Contractor shall check all Drawings carefully as soon as practicable after receipt thereof, and shall promptly notify the Engineer of any errors discovered. 23.5 Copies of Drawings will be issued to the Contractor as described below:

23.5.1 Construction Drawings Two (2) sets of the Construction Drawings will be issued to the Contractor as stated above, free of charge. Additional sets will be provided at cost of reproduction upon written request of the Contractor.

23.5.2 Supplementary Drawings SP-9 strengthening of Women University, Swabi (New Campus) Two (2) prints of each supplementary Drawing will be issued to the Contractor free of charge. Additional sets will be provided at cost of reproduction upon written request of the Contractor.

23.6 Drawings to Be Furnished by the Contractor the Contractor shall submit to the Engineer for review, such drawings as are required under the Contract, sufficiently in advance of the work intended to be executed.

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23.6.1 Reinforcement Drawings Reinforcement placement drawings and bar bending schedules (to be provided by the Contractor as per clause 11 above) of all RCC work shall be prepared by the Contractor and submitted in triplicate to the Engineer for approval, sufficiently in advance of the works in which they are intended to be used.

23.6.2 Shop Drawings

(a) The Contractor shall submit to the Engineer for review three (3) copies of all drawings
(b) to be issued for setting out, fabrication, supply order and construction; based on data, requirements, dimensions, details, codes, standards and design provided in the drawings issued by the Engineer. Such drawings shall be submitted at least twenty-eight (28) days before they are required for use. If within a period of fourteen (14) days after submission, the Engineer notifies the Contractor that a drawing fails to comply with the relevant requirement of the Contract, it shall be rectified and resubmitted for approval at the Contractor's cost. Fabrication or construction shall not commence on any part of the Works until the shop drawings or construction drawings for that part of the Works have been approved by the Engineer.

The Works shall be executed in accordance with the drawings as approved by the Engineer. If the Contractor wishes to modify any approved drawings, he shall immediately notify the Engineer and submit revised drawings for approval. If the Engineer instructs those further drawings are necessary for executing the Works, the Contractor shall prepare such drawings and submit them for approval.

The Contractor at his cost shall rectify errors, omission, ambiguities, inadequacies and other defects.

Approval by the Engineer, in accordance with this paragraph, shall not relieve the Contractor of any of his responsibilities under the Contract.

(b) The shop drawings shall be properly identified indicating the part of the Works, the name of the contractor / supplier etc., the date of preparation and the dates of all revisions. The Shop Drawings shall be complete and shall show the design dimensions, proposed materials to be used, finishes, type of shop paint and all other details in connection thereto.

(c) Where adjoining work requires shop drawings, the Contractor shall prepare and submit composite shop drawings, which shall show and define the work under all affected trades. If the Contractor executes work before coordinating with other trades so as to cause interference with work of those trades, he shall make changes necessary to correct the conditions without extra cost to the Employer.
(d) No changes shall be made by the Contractor in the resubmitted shop drawings in excess of the corrections spelled out by the Engineer and in a separate note on the shop drawings.

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(e) No work in the shop shall be started and no material or plant ordered until the Engineer has approved the shop drawings. It shall be the responsibility of the Contractor to submit the shop drawings on a schedule that allows reasonable time for checking and approval and subsequent fabrication. Failure to submit shop drawings in ample time for checking, correcting, and rechecking will not justify extension of time for completion of the Works.

(f) The Contractor shall also check and verify all site measurements whenever requested by other Specialist Contractors or by other Sub Contractors to enable them to prepare their own shop drawings and pass on the information with sufficient promptness, so as not to delay the work in any way. A copy of all such information passed on shall be given to the Engineer.

23.6.3 As-Built Drawings

The Contractor shall, at all times, keep on Site a separate set of prints of all drawings on which all significant changes between the work shown on the Drawings and that which is actually constructed, shall be noted neatly, accurately and promptly as the work progresses. The Subcontractor(s) for plumbing, mechanical and electrical shall, at all times, keep on Site, a separate set of prints of the drawings (showing their parts of the Works) on which all significant changes between the work shown on the Drawings and that which is actually constructed, shall be noted neatly, accurately and promptly as the work progresses. Such drawings shall show the exact physical location and configuration of the works as actually installed.

The Contractor shall, within fourteen (14) days of issuance of Taking-Over Certificate for whole of the Works, furnish to the Engineer for his approval two (2) copies of such marked up drawings. One (1) copy of each of the marked-up drawings approved by the Engineer shall be returned to the Contractor by the Engineer and these shall be used for the preparation of the As - Built Drawings.

The Contractor shall furnish to the Engineer six (6) complete sets and one reproducible copy of all As -Built Drawings within twenty-eight (28) days of receipt of drawings stated above, from the Engineer.

24. PROTECTION OF THE WORKS

The Contractor shall whenever necessary cover up and protect the works from weather and damage by his own or other workmen performing subsequent operation. The Contractor shall provide all necessary dustsheets, barriers and guard rails and clear away the same at completion.

25. RESTORATION AND CLEANING

Upon completion of the works the Contractor shall restore all items covered by the Contract to the satisfaction of the Engineer.

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The Contractor shall do regular cleaning and clear away all rubbish and excess materials that may accumulate from time to time on completion and before handing over. Upon completion of the works, he shall obliterate all signs of temporary construction facilities such as work areas, structures, foundations of temporary structures, stock piles of excess or waste materials, or any other vestiges of construction, as directed by the Engineer. All buildings shall be cleaned; floors and paving scrubbed and the works and site shall be left in a clean and satisfactory state for immediate use and occupation. Care shall be taken not to use any cleaning materials, which may cause damage to the surface to be cleaned.

The Contractor shall also take all necessary precautions to keep the works and site free from vermin during construction and he shall leave the works vermin free on completion. Application of pest control agents shall not commence until the specific product, name, method and extent of application have been submitted to and approved of by the Engineer.

26. SITE OFFICE AND TEMPORARY FACILITIES TO BE PROVIDED BY THE CONTRACTOR

26.1 Contractor's Office, Facilities Etc.

The Contractor shall establish and maintain a Site office. The Contractor shall provide all facilities in connection with the execution, completion, of the Works, remedying defects therein and maintenance of the utility's services. The facilities shall not be limited to the Contractor's Site Office, labor camps, work yard and storage areas, temporary water supply, waste water disposal, temporary electricity, medical unit, temporary roads, fire protection and firefighting equipment etc. The Contractor shall be solely responsible for arranging all utilities and the Contractor shall setup, maintain and operate an architectural and engineering facility at site with adequate number of technical and support staff as well as equipment required for particular nature of job covered under the Contract to prepare drawings/shop drawings for approval of the Engineer. The Contractor shall arrange his labor camp, work yard, storage area and site office.

26.2 Temporary Roads

The Contractor shall prepare and maintain such temporary roads as may be necessary, from the site to the nearest road and also within the plot. Such roads shall be positioned strictly in accordance with the Engineer's instructions and the Contractor shall reduce or control any dust nuisance by regularly spraying water and compaction as directed.

26.3 Temporary Services

26.3.1 Temporary Water Supply

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The Contractor shall supply in sufficient quantity all necessary potable and other water for construction purposes for all trades at points within a reasonable distance of any building being constructed. The Contractor shall make arrangements and pay charges for water service installation, maintenance and removal thereof, and pay the costs of water for all trades. At completion of the work, the temporary water services equipment and piping shall be removed by the Contractor at his own expense.

26.3.2 Temporary Electricity

The Contractor shall make all the necessary arrangements for a temporary electricity service, pay all expense in connection with the installation, operation and removal thereof and pay the costs of electricity consumed by all trades. The Contractor shall arrange and furnish an Electric Power Generating set at site and maintain the generating set-in perfect working condition through-out the duration of Contract. The generating power of the set shall be sufficient to operate all plant and equipment as well as the camps and offices of the Contractor and the offices of the Engineer/Employer, during construction at site. Should the set fail to meet the required demand at site or fail to function or operate, the Contractor shall immediately replace the same with other generating set/sets to the satisfaction of the Employer as well as the Engineer.

A temporary lighting system shall be furnished, installed and maintained by the Contractor as required to satisfy the minimum requirements for safety and security and to the satisfaction of the Engineer.

When the permanent electrical power and lighting systems are in an operating condition, they may be used for temporary power and lighting for construction purposes provided that the Contractor obtains the written approval of the Engineer and the Employer and assumes full responsibility for the entire power and lighting system and pays all costs for operation and maintenance of the system.
At completion of construction work, or at such time as the Contractor makes use of permanent electrical equipment and devices, temporary electricity services shall be removed by the Contractor at his own expense.

26.3.3 Waste Disposal

The Contractor shall make such temporary provisions as may be required in order to dispose of any chemicals, fuels, oils, grease, bituminous materials, waste and soil waste and the like without causing pollution to either the site or the environment. Disposal of any materials, wastes, effluent, garbage, oil, grease, chemicals and the like shall be in areas specified by the concerned local authority proposed by the Contractor and subject to the approval of the Engineer. If any waste material is dumped in unauthorized areas the Contractor shall remove the material and restore the area to the

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condition of the adjacent undisturbed area. If necessary, contaminated ground shall be excavated, disposed of as directed by the Engineer and replaced with suitable fill material compacted and finished with topsoil all at the expense of the Contractor.

26.3.4 Fire Protection

The Contractor shall provide and maintain adequate fire protection in the form of barrels of water with buckets, fire bucket tanks, fire extinguisher, or other effective means ready for instant use, distributed around the project and in and about temporary inflammable structures during construction of the works.

Gasoline and other flammable liquids shall be stored in and dispensed from safety containers approved by the Engineer and storage shall not be within building.

Torch-cutting and welding operations performed by the Contractor shall have the approval of the Engineer before such work is started and a chemical extinguisher is to be available at the location where such work is in progress.

The Contractor shall follow the instructions and specifications of the Civil Defense Department or any other local department concerned with such activities.

27 CONSTRUCTION SCHEDULE

A Construction schedule shall be maintained in accordance with the provisions of the General Conditions of Contract.

The schedule shall be accompanied with sufficient data and information including all necessary particulars of constructional plant, equipment machinery, temporary Works, arrival of plant, equipment at site and their installation, method of operation, work forces employed, etc., for an activity of the Works.

Should the Engineer consider any alteration or addition in the programmed and time schedule, the Contractor shall conform thereto without any cost to the Employer.

Whenever necessary and wherever the progress of the actual work shows departure, the programmed and time schedule shall be undated and submitted to the Engineer for his approval.

28 SUBMISSION REQUIREMENTS

28.1 Schedule submission at least sixty days before the dates when reviewed submittals will be needed.

28.2 Submit Shop Drawings as per provision given in Sub-Clause 19.5 (a) and number of copies of Product Data which the Contractor requires for distribution plus four copies which will be retained by the Engineer.

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28.3 Submit three samples unless otherwise specified.

28.4 Accompany submittals with transmittal letter, in duplicate, containing: - Date - Project title and number - Contractor's name and address - The number of each Shop Drawing, Product Data and the Sample submitted. - Notification of deviations from Contract Documents. - Other pertinent data.

29 RESUBMISSION REQUIREMENTS

Shop Drawings:

- Revise initial drawings as required and resubmit as specified for initial submittal.
- Indicate on drawings any changes which have been made by the Engineer.
- Product Data and Samples: Submit new data and samples as required for initial submittal.

30 WEEKLY PROGRESS REPORT AND PHTOGRAPHS

30.1 During the continuance of the Contract, the Contractor shall submit weekly progress on forms as approved by the Engineer. Such weekly reports shall show the actual progress completed as of date of the report plotted against the schedule as given by the Contractor at the start of work and shall be broken down so as to indicate status of all activities associated with mobilization design, material procurement, manufacture, surveys works, tests with regard to the agreed contract program.

30.2 The Employer and the Engineer reserve the right to coordinate the schedules of this Contractor and other Contractors working at the Site, and to adjust and/or change any and all such schedules as required during the course of construction in order to achieve a coordinated project in harmony with the Employer's completion date.

30.3 Commencing after the first week of construction, and continuing every week until completion, the Contractor shall take and submit photographs to the Engineer's Representative, to show progress of his work and completion of each structure or major feature

31 CONTRACTOR TO NOTIFY DELAYS ETC.

Any delay which will affect the completion of Works shall be detailed by the Contractor who shall state the action he is taking for effective completion of the Contract program.

The Contractor shall submit a report in respect of the various sections of the Works, the equipment in use or held in readiness, a return of labor and supervisory staff, and details of any matters arising which may generally affect the progress of the work.

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The Contractor shall give a summary of the detailed progress report giving the position with regard to the agreed Contract program.

The progress reports shall be set out in a format to the approval of the Engineer, and forwarded promptly so that on receipt the information contained therein is not more than 21 days out of date.

If during execution of the Contract, the Employer considers the progress position of any section of the work to be unsatisfactory, or for any other reason relating to the Contract, he will be at liberty to convene a meeting and the Contractor's Representatives are to attend such meeting.

The Contractor's Site Office shall prepare and submit 6 copies of a weekly progress report to the Employer and Engineer's Site Office. This report shall summarize site activities and record and details where difficulties in maintaining the agreed program are being experienced or are likely to cause subsequent delay.

The Contractor's Site Office shall also prepare and submit to the Engineer's Site Office 2 copies of Daily Activity Report summarizing the main activities to be undertaken each day, noting special activities such a test, alignment checks, etc. The Contractor shall be responsible for expediting the delivery of all material and equipment to be provided by him and his subcontractors.

32 PHOTOGRAPHS

As soon as work commences on Site, the Contractor shall provide at least 10 to 12 photographs (along with soft copy) of the works from positions to be selected by the Engineer. Each photographic print shall not be less than 297mm x 210mm and shall bear a printed description, a serial number and the date when taken. The negatives/soft copy of all photographs shall be held at the Contractor's Site Office, numbered and handed over to the Employer at the completion of the Contract.

33 SIGN BOARD

The Contractor shall erect and maintain at the Site in a location to be approved by the Engineer two (2) Sign Boards of dimensions approved by the Engineer. The Sign Boards shall be made of metal. It shall be mounted on steel posts securely anchored and braced. The Contractor shall paint on the Sign Boards, the name of the Works, and the names of the Employer, Engineer and the Contractor both in English and Urdu Language.

34. Site Facilities to Be Provided By the Contractor to the Consultant/Client

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The following facilities must be provided by the contractor to the consultant/Client Staff at project site to include facilities so that the staff may work and reside in a satisfactory manner. These are but not limited to the following facilities. The cost impact of these facilities is deemed to be included in contractor's BOQ rate by contractor.

Contractor shall establish and maintain well-furnished site office with minimum 1000 sft covered area for Engineer including utility bills. The office plan to be approved by the Engineer.

Furniture and equipment for office and laboratory to be provided by contractor and its cost deemed to be included in the Contractor's rates: One photocopy machine with automatic document feed.

Personal Laptops at least core-i7 and above with HP LaserJet printer A4 size, one HP inkjet color printer A-3 size. One document HP scanner A-3 size. One AC for RE office and One AC for client office. One (10cft) refrigerator. One cold water geyser. Provision of broad band internet connection with Wi-Fi. UPS 3000 watts with liquid battery. Licensed software including Primavera, Microsoft Office, AutoCAD.

The contractor shall provide day to day office stationary for use of The Engineer, it shall include (i) Blank Pages – Double A (ii) Pen (iii) Color / Black Cartridges for Printer etc. (the ceiling limit for consumables is Rs. 30,000/Month)

The Contractor shall provide a telephone with connection with average billing not exceeding to Rs.5000/- per month, a fax machine, a laptop (latest model), stabilizer, internet connection and printer.

The Contractor shall ensure that the necessary safety precaution will be observed and interferences shall be avoided specially for the works executed side by side by different Contractors.

Due consideration must be given to permit access to sections of the work as required by other Contractors for the extension of their works. With a view to coordinate the works, the Engineer may from time to time direct the order of the works to be carried out.

34. (a) Facilities for site staff to be provided at rented accommodation for which cost deemed to be included in contractor's rate.

Contractor will provide accommodation and food for consultant's staff including cook and all necessary furniture, etc at site or outside site on rental basis.

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35. TRANSPORTS FOR THE ENGINEER

The Contractor shall provide transport facilities to the engineer for official meetings with client and other relevant departments, and also for site visits including monthly site expenses.

36 COORDINATION OF WORK AT SITE

The Contractor shall take cognizance that during the execution of the project, other Contractor will be working concurrently on this site.

All works of his responsibility shall be coordinated by the Contractor so as to give the necessary facilities to other Contractor or their workman or any other employ, who execute or supervise any work on the site.

The Contractor shall ensure that the necessary safety precaution will be observed and interferences shall be avoided specially for the works executed side by side by different Contractors.

Due consideration must be given to permit access to sections of the work as required by other Contractors for the extension of their works. With a view to coordinate the works, the Engineer may from time to time direct the order of the works to be carried out.

No payment shall be made to the Contractor for the works involved under this sub clause.

37 SITE FACILITIES TO BE PROVIDED BY THE CONTRACTOR

37.6.1 General

Without prejudice to the generality of the various clauses of the Contract, particular attention is drawn to the obligation of the Contractor to make his own arrangement at his own expense for the following.

37.6.2 Labor Camps and Staff Residences

The Contractor shall provide, operate and maintain labor camps and staff residences and are required for the proper and efficient progress of the work to house his own employees. For the purposes of operation and maintenance of the Camps and Residences, the Contractor shall comply with the rules of Pakistan Labor Camp Rules 1960 and all other applicable provisions of the Pakistan Labor Laws.

37.6.3 Administrative and Field Office

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The Contractor shall provide, operate and maintain administrative and field offices required for his staff and would be responsible for Operation and Maintenance, furniture, equipment, appliances, janitor services and security of the same.

37.6.4 Work yards and Storage Areas

The Contractor shall provide, operate and maintain all sheds, fencing, foundations and all above ground structures required to store material or equipment brought on to the site by him. The Contractor shall be responsible for the security of his entire camps, residence, site and field offices work yard and storage area.

37.6.5 Water Supply, Sewerage System and Electricity

The Contractor shall make his own arrangement, at his own expense for provision, operation and maintenance of electric supply, reasonable supplies of raw and potable water and sewerage system at the site of works and his labor camps, staff residences and offices. The Contractor shall pay all fees, and charges (including bills) of whatsoever nature to the concerned departments (if any) in order to procure connections of the above facilities and thereafter using these facilities.

37.6.6 Medical Care

The Contractor shall arrange provision of adequate medical facilities for his employees.

Adequately equipped and properly staffed first aid stations or dispensaries shall be provided by the Contractor at camps and other strategic locations, to administer first aid treatment at all times free of charge to all persons on the Site, including personnel of the Engineer and the Employer. The nature, number and location of facilities furnished and the Contractor's staff for administering first-aid treatment shall meet the requirements of the Health Services of the Government of Pakistan and of Section III of the Manual "Safety Requirements for Construction by Contract", published by the Employer, and shall be subject to approval by the Engineer.

38. CONSTRUCTION PROCEDURES

The Contractor shall advise the Engineer of proposed construction procedures in accordance with the General Conditions of Contract. If the Engineer shall see that the

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work progress is slow in such a way that the work will not be completed in the time specified, then he shall order the Contractor to work overtime or in more shifts and the Contractor shall obey these orders without any additional payments and without any objections or request for compensation.

39. NOTIFICATION TO ENGINEER

The Engineer shall be notified daily in writing of the nature and location of the Works the Contractor intends to perform the next day so as to enable necessary inspection and measurement to be carried out. The Engineer may, if necessary, direct that longer notice be given of certain operations.

40. NIGHT WORK

When work is done at night the Contractor shall maintain from sunset to sunrise such lights on or about his work and plant as the Engineer may deem necessary for the proper observations of the work and the efficient execution thereof.

41. WEATHER

No work is to be undertaken when, in the opinion of the Engineer, the weather is so unsuitable that proper protection of the work cannot be ensured.

42. CO-ORDINATION WITH OTHER CONTRACTORS

It shall be the responsibility of the Contractor to keep-up good relations with other Contractors employed on site by the Employer. The Contractor shall cooperate and coordinate his work with that of the other Contractors working at the Site, to whatever extent may be necessary to complete the Project in accordance with the approved program of the Works and in accordance with the Engineer's instructions. Should a disagreement or dispute arise between the Contractor and other contractors, the same shall be referred without delay to the Engineer for his decision. Upon such decision, the Contractor shall proceed with the work in accordance therewith. In case the access to the works of other contractors is through the Site area of the Contractor, the Contractor shall coordinate with and permit all reasonable access to other Contractors.

43. ACCIDENT PREVENTION, SAFETY MEASURES AND PROTECTIVE EQUIPMENT

The Contractor shall comply and enforce compliance by all his sub- contractors with the highest standards of safety and accident prevention in accordance with international standards and in compliance with all applicable laws, ordinances and statutory provisions.

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All requisite barriers, fences, warning signs, lights and other safety precautions as required for the protection of persons and property on or adjacent to the site shall be provided at the Contractor's cost.

All false work, scaffolding and handrails shall be well constructed and secured at all times. Where overhead work is being carried out, warning signs shall be installed at ground level clearly warning of the overhead work.

All warning signs shall be in two languages, English and Urdu, and shall at all times be maintained in a clean and legible condition, to the satisfaction of the Engineer.

Trash shall be removed at frequent intervals to the satisfaction of the Engineer.

Netting shall be provided at all levels where work is in progress, all around the building.

44. SETTING OUT OF WORK AND SURVEY

44.1 Reference Points, Lines

The Contractor shall establish benchmarks and / or reference line at the Site in accordance with the instructions of the Engineer. The Contractor shall set out its work from these benchmarks and lines. The Contractor shall supply plant, equipment, materials and labor for checking if required of the survey control by the Engineer. Slope stakes will be set by the Contractor before commencement of excavation and will be re-established as required during progress of work using established benchmarks and reference points.

44.2 Verification

The Engineer may make checks as the work progress to verify lines and grades established by the Contractor and to determine the conformance of the work as it progresses with the requirements of the Drawings and Specifications. Such checking by the Engineer shall not relieve the Contractor of his responsibility to perform all work in accordance with the Drawings and Specifications and the lines and grades given therein.

Based upon the basic control, the Contractor shall provide his own primary control points, as needed for the Works, and shall preserve and maintain them until otherwise authorized.

The Contractor shall be responsible for maintaining all survey markers/monuments, and property corners. If any markers/monuments are destroyed by the Contractor, the Contractor shall arrange, at his own cost, to retrace and replace them to the entire

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satisfaction of the Engineer. If a monument cannot be replaced in its original position, the Contractor shall install a witness corner. The Contractor shall complete and file monument reference cards on all monuments as per instructions of the Engineer.

The Contractor shall provide experienced construction surveyors with adequate experience in the construction surveys similar in nature as required by this Contract.

Based upon established basic control monuments the Contractor shall establish all lines and grades necessary to control the Works, and shall be responsible for all measurements that may be required for execution of the Works to the tolerance prescribed below.
The Contractor shall perform such surveys and computations as are necessary to determine quantities of work performed or placed during each progress payment period, and shall also perform all surveys necessary for the Engineer to determine final quantities of work in place. The Engineer will determine final quantities based on original ground levels determined by the Contractor and agreed by the Engineer.
The Contractor shall notify the Engineer at least 24 hours before performing a quantity survey and, unless specifically waived, quantity surveys shall be performed in the presence of an authorized representative of the Engineer. Degree of accuracy for the survey works shall satisfy the following specified tolerances:

(a) Structure points shall be set within 0.01-foot accuracy from point to point, except where tighter tolerances are required.

(b) Cross-section points shall be located within 0.10 foot, horizontally and 0.01 foot vertically.

(c) Permissible closing error for a leveling line meant for establishing Temporary Bench Mark (TBMs) shall not exceed $0.045 \times \sqrt{M}$ foot, where M is in miles. The permissible closing error shall be duly adjusted.

The Contractor shall provide all materials, equipment and labor required for surveying work, including, but not limited to, instruments, stakes, spikes, steel pins, templates, platforms, and tools, and except as required to be incorporated in the work or left in place, all such materials and equipment, shall remain the property of the Contractor. Surveying instruments shall be in perfect working condition and shall be subject to rigid inspection for proper operation at least after every two weeks of use. Defective instruments shall be promptly replaced or repaired and adjusted to the satisfaction of the Engineer.

Survey data shall be recorded in accordance with recognized professional surveying standards. Original field notes, computations, and other surveying data shall be recorded in the Contractor furnished field books. Notes or data not in accordance with standard formats will be rejected. Illegible notes or data, or use of erasures on any page of a field book will be considered sufficient cause for rejection of part or the entire field book. Copied notes or data will not be permitted; therefore, rejection of part or all of a field book

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may necessitate re-surveying. Corrections by ruling or lining out errors will be satisfactory.

The cost of all materials, equipment, surveyors and labor required for surveys for the Works and quantity surveys required by this clause shall be deemed to be included in the rates and prices of the various items in the Bill of Quantities and no separate measurement and payment in their respect shall be made.

44.3 Survey Instruments

The Contractor shall maintain at the Site the requisite surveying instruments in perfect working conditions to enable the Engineer's Representative to check levels and lines of the work at all times.

45. PAYMENT OF WORK

No payment shall be made for the works involved within the scope of this section of specification unless otherwise specifically stated in the Bills of Quantities or herein. The cost thereof shall be deemed to have been included in the total price quoted by the Contractor.

46. ENVIRONMENTAL PROTECTION

The Contractor shall exercise care to protect the natural landscape and shall conduct his construction operations so as to prevent any unnecessary destruction, scarring or defacing of the natural surroundings in the vicinity of works. Except where clearing is required for the Permanent works, approved construction roads and the Temporary Works, and for excavation operations, all trees and native vegetation shall be preserved and shall be protected from damage which may be caused by the Contractor's construction operations and equipment. On completion of the works, all work areas shall be smoothed and graded in a manner to confirm to the natural appearance of the landscape. Where unnecessary destruction, scarring, damage or defacing may occur as a result of the Contractor's operations, it shall be repaired, replanted, or otherwise corrected as directed by the Engineer at no additional cost to the Employer.

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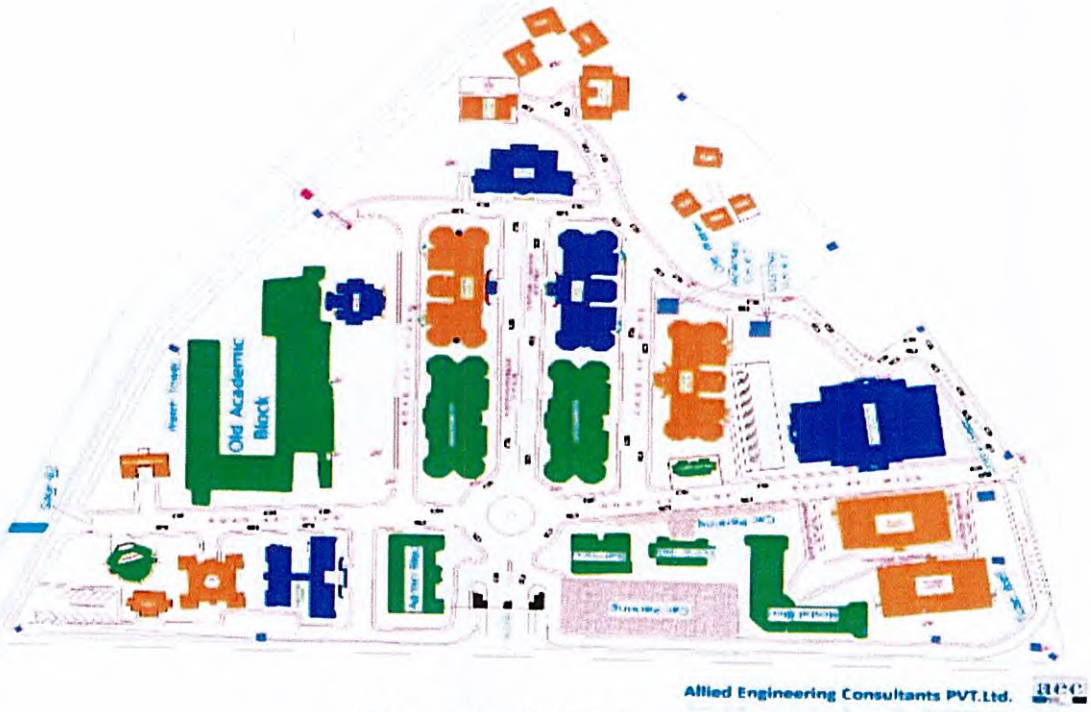
GOVT OF KHYBER PAKHTUNKHWA

WOMEN UNIVERSITY SWABI

STRENGTHENING OF WOMEN UNIVERSITY SWABI (NEW CAMPUS)

EXTERNAL ELECTRIFICATION WORKS
(Package -4)



March, 2026

Bill of Quantity

Total Amount = 88.626 (M)

aec
THE DEVELOPMENT ENGINE

ALLIED ENGINEERING CONSULTANTS (PVT) LIMITED
CIVIL/POWER/MECHANICAL/*INDUSTRIAL/HIGHWAYS/BRIDGES ENGINEERS-ARCHITECTS-PLANNERS-INTERIOR*
DESIGNERS LANDSCAPE & ENVIRONMENT SPECIALISTS.

ALLIED ENGINEERING CONSULTANTS (PVT.) LTD 19-A HALLI ROAD GULBERG II. LAHORE

Client : WOMEN UNIVERSITY SWABI KHYBER PAKHTUNKHWA

Project : STRENGTHENING OF WOMEN UNIVERSITY, SWABI (NEW CAMPUS)

Sub Title : **External Electrification Works (PACKAGE-IV)**

Subject : Abstract of Cost

Based On MRS 2025

S-No	Description Of Items	Schedule Items Amount(Rs)	None Schedule Items Amount(Rs)	Total Amount(Rs)	Remarks
	External Electrification Works				
1	External Electrification	9,762,163.34	28,824,470.10	38,586,633.44	
2	Main LT Cable	3,873,525.10	-	3,873,525.10	
3	PAD MOUNTED TRANSFORMERS, 3 No's of 50kva & 1 No's of 200 kva	-	9,761,060.93	9,761,060.93	
4	DG SET 1 No's of 170 kva & 3 No's of 50 kva	7,070,866.29	29,333,594.06	36,404,460.35	
Sub Total Amount (Rs)		**20,706,554.73**	**67,919,125.09**	**88,625,679.82**	
Above/At Par/Below: _____ %					
Amount in Figure					
Amount in Words					

Note:- Any item of work not reflected in the BOQ and necessarily required to be executed at site as per condition of contract (COC) will be paid as per MRS-2025 with above/below premium for Schedule item and only market rate for Non-Schedule item, subject to proper approval from competent authority.

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Allied Engineering Consultants (Pvt) Ltd.

NAME OF PROJECT :CONSTRUCTION OF WOMEN UNIVERSITY SAWABI					
Name of Consultant: Allied Engineering Consultants (Pvt.) Ltd 19-A Halli Road Gulberg II. Lahore					
EXTERNAL ELECTRIFICATION BILL OF QUANTITY					
MRS-2025	**Description Of Items**	**Unit**	**Rate**	**Quantity**	**Amount**
	Cables for street lights				
15-122-b	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	2544.99	1,000.00	2,544,990.00
15-05-c	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.029"	m	191.88	800.00	153,504.00
24-18-c-03	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 2" Nominal Pipe Size (NPS)	m	711.91	2,000.00	1,423,820.00
03-18-a	Filling, watering and ramming earth under floor with surplus earth from foundation, etc	m3	133.66	3,000.00	400,980.00
06-07-d-05	Providing manhole size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia.Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling	Each	20542.94	30.00	616,288.20
15-36-f	Supply and Fixing SMD Type LED Road light Fixture (90-100 watts)	Each	47340.82	34.00	1,609,587.88
15-115-f	Supply & erection of Single arm GI round conical pole, hot dipped galvanized (microns) 10 meters long overall thickness 5 mm, base dia 200 mm and top dia 100 with plate arrangement 450mm x 450mm x 25mm, complete in all respects.	Each	88865.25	30	2,665,957.50

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15-115-c	Supply & erection of Double arm GI round conical pole, hot dipped galvanized (80 microns) 10 meters long overall thickness 4 mm, base dia 180 mm and top dia 62 with plate arrangement 450mm x 450mm x 25mm, complete in all respects.	Each	98745.25	2	197,490.50
15-43-a	Supply and Erection copper tape, including copper staple & copper nails/Screw etc : Size 1.5"x1/8"	m	1909.59	50	95,479.50
15-105-i	Construction of water tight brick type Grounding inspection pit.	Each	5857.12	3	17,571.36
26-02-e-02	Supply and Installation of Earthing Chemical	KG	30.88	30	926.40
26-02-e-01	Supply and Installation of Copper Rod/ Plate	KG	3952	9	35,568.00
	GRAND TOTAL SCHEDULE ITEMS		**Rs.**		**9,762,163.34**
	NON-SCHEDULE ITEMS				
	DISTRIBUTION BOARD DBL-EX				
NSI	Lighting Control Feeder Pillar Panel for External Lighting Supply, installation 14 G Steel panel board Water proof weather proof with Foundation , rubber gaskets 100 A T P MCCB RC 10KA 1 nos Volt Meter with V S S 1 nos Ampere Meter with A S S 100/5A C T , Phase indication lights 100 A 5 Nos Bus Bar Copper Strips ,Magnetic Contactor ,Timer , Photo Cell , H-O-A Switch Push Button Terminal Block ,Control Fuse Complete in all Respect As per drawing & Specifications	NO	250,000.00	3	750000
NSI	Water tight terminal box Supply and installation of aluminum cast water terminal box 8" wide 6" high to be installed in the pole foundation including cost of 2 x 15 Amp MCB RC 6 KA Breaker S/P PVC connectors suitable for 16 mm cables / 35 mm cables rubber gasket PVC bushes for incoming and outgoing cables with all necessary material complete in all respects	NO	5600.00	32	179,200.00
NSI	**11 KV - XLPE CABLES**				
	Supply, installation and commissioning of XLPE insulated, Aluminum tape screened PVC / SWA / PVC, 11 KV-aluminum conductor cable manufactured by any one of the manufacturers : **PAKISTAN, FAST, NEWAGE or other approved equivalent** including excavation of trenches / back filling complete work. Actual length of cables shall be measured at site and paid accordingly; contractor shall be conformed actual length before placing the order. Approximately length as follows:				
NSI	3-1core 185 mm.sq. XLPE insulated cable consumer's Sub Station to Transformers	Mtr.	7484.157	2200	16,465,145.40

PROJECT DIRECTOR
Women University Swabi

Allied Engineering Consultants (Pvt) Ltd.

NSI	Excavation and construction of cable trench for laying of HT/LT cables, having inner size of approximately (24"x30") or as directed by the Engineer. The trench shall include: Base: 2" thick PCC (1:4:8) ensuring firm bed; Side Walls: 9" thick brick masonry in cement sand mortar (1:6); Inner Plaster: 1/2" thick cement sand plaster (1:4) with waterproof compound (1 lb per cement bag); Top Cover: 3" thick precast RCC slab (1:2:4) with lifting hooks; Backfilling: Approved excavated earth compacted outside trench; Sand Cushion: 3" clean river sand around cables; Disposal: Surplus earth removed within 50 ft; Finishing: Grouting of slab joints with cement sand mortar (1:4). Complete as per PEC/WAPDA standards and Engineer's direction.	Mtr.	8500	750	6,375,000.00
NSI	**TERMINATION KITS**				
NSI	Supply, installation of cable termination kits for 3-1 core 185 mmSq cable make Rackmen/3M suitable for 11 KV XLPE cable for indoor and outdoor type.	Set	60,000.35	12	720,004.14
	Cable Joint's				
NSI	Supply at Site, Installation, Testing And Commissioning of Cable Jointers, with infinite resistance and Di Electric Strength, having cooling effect and Heat Shrink type, Suitable for 11 KV 3-Core XLPE Cables, Complete in all respects and as per instructions of Engineer Incharge	No's	34,310	12	411,720.00
NSI	HT SPILTER PANEL 1 NO INCOMING & 2 NOS OUT GOING COMPLETE AS PER DRAWING.	No.	1,300,000	3	3,900,000.56
	Testing				
NSI	Testing of the earthing system with "Earth Tester" along with other testing accessories. Testing shall be performed in the presence of the Engineer and written test result duly verified by the Engineer shall be submitted to the Client for his record.	Job	23,400	1	23,400.00
	Total Amount of Non Schedule Items		**Rs.**		**28,824,470.10**
	Total Amount of Schedule & Non Schedule Items		**Rs.**		**38,586,633.44**

PROJECT DIRECTOR
Women University Swabi

NAME OF PROJECT :CONSTRUCTION OF WOMEN UNIVERSITY SAWABI					
Name of Consultant: Allied Engineering Consultants (Pvt.) Ltd					
EXTERNAL ELECTRICAL WORKS					
TRANSFORMERS BILL OF QUANTITY					
Item No.	**DESCRIPTION**	**QTY.**	**UNIT**	**RATE (Rupees)**	**AMOUNT (Rupees)**
	TRANSFORMER				
1.00	Supply, installation, commissioning and testing of Pad Mount type, Transformer 50 KVA, Along With Canopy etc including with following:- lifting hooks, thermometer, L.T. & H.T. bushing, tap changer, 2 earthing terminals, connecting terminals for cables M.S. box on transformer in order to cover completely L.T. side, all necessary materials required for connections on H.T. & L.T. side, rated Voltage 11000/ 415/230 V impedance 6.25% or as specified by IEC system earth: Delta/Star, neutral solidly earthed, Completely Insulated and Complete Safety Measures should be taken to Install the Transformer to be manufactured by any one of the Manufacturers as mentioned in Appendix "A".The Transformer Should be Placed On proper foundation Pad and properly barbed wired for safety Issues...PEL,ELMETECH,SIEMENS OR OTHER APROVED EQUIVALENT Made with Complete Documentation.	3	Each	1834079	5,502,237
2.00	Supply, installation, commissioning and testing of Pad Mount type, Transformer 200 KVA, Along With Canopy etc including with following:- lifting hooks, thermometer, L.T. & H.T. bushing, tap changer, 2 earthing terminals, connecting terminals for cables M.S. box on transformer in order to cover completely L.T. side, all necessary materials required for connections on H.T. & L.T. side, rated Voltage 11000/ 415/230 V impedance 6.25% or as specified by IEC system earth: Delta/Star, neutral solidly earthed, Completely Insulated and Complete Safety Measures should be taken to Install the Transformer to be manufactured by any one of the Manufacturers as mentioned in Appendix "A".The Transformer Should be Placed On proper foundation Pad and properly barbed wired for safety Issues...PEL,ELMETECH,SIEMENS OR OTHER APROVED EQUIVALENT Made with Complete Documentation.	1	Each	4258824	4,258,824
	TOTAL NON SCHEDULE AMOUNT IN PAK Rs.				**9,761,061**

PROJECT DIRECTOR
Women University Swabi

Allied Engineering Consultants (Pvt) Ltd.

NAME OF PROJECT: WOMRN UNIVERSITY SAWABI
NAME OF CLIENT: WOMEN UNIVERSITY SAWABI
NAME OF CONSULTANT: ALLIED ENGINEERING CONSULTANTS (PVT) LTD
DEVELOPMENTAL WORKS/INFRA-STRUCTURE

DISESEL GENERATOR SET
BILL OF QUANTITY

SCHEDULE ITEMS (MRS 2025	Description	Unit	Rate	Quantity	Amount
15-07-b	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.052"	m	1441.21	4323.63	6,231,258.79
15-07-d	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.083"	m	3358.43	250	839,607.50
	Total Schedule Item				**7,070,866.29**
NSI	Supply Installation (without material) Testing and Commissioning of Diesel Generator Set 50 KVA including sound canopy, Prime Consisting of the following Engine: Perkins UK, CAT USA, CUMMINS USA, FPT Italy Alternator: Stamford UK, Leroy Somer France Controller: Deep Sea UK, ComApp, EMCP Generator Set Packagers: Caterpillar, CUMMINS, SDMO, F.G Wilson, Power Zone Mounted on Skid, Complete with Electrical Electronics Housing, Tropical Radiator 50 Degree Centigrade, 1500RPM, 50Hz, 400V 3Phase, Direct Coupling, complete DG Set complete in all respects	No.	5233489.785	3	15,700,469.36
NSI	Standard RCC foundation Pad(standard RCC foundation pad on ground floors	No	120890	3	362,670.00
NSI	Construction of Standard Rod Type Earth Pit for DG set with earth cable (Up to 10')	Job	234979.785	6	1,409,878.71
NSI	Supply of Automatic Transfer Switch consisting of the following 1. MC 150A TP Qty02 for ATS 2. MCCB 150 TP Qty03 for MOR	Job	573964.785	3	1,721,894.36
NSI	Supply Installation (without material) Testing and Commissioning of Diesel Generator Set 170 KVA including sound canopy, Prime Consisting of the following Engine: Perkins UK, CAT USA, CUMMINS USA, FPT Italy Alternator: Stamford UK, Leroy Somer France Controller: Deep Sea UK, ComApp, EMCP Generator Set Packagers: Caterpillar, CUMMINS, SDMO, F.G Wilson, Power Zone Mounted on Skid, Complete with Electrical Electronics Housing, Tropical Radiator 50 Degree Centigrade, 1500RPM, 50Hz, 400V 3Phase, Direct Coupling, complete DG Set complete in all respects	No.	8746054.785	1	8,746,054.79
NSI	Standard RCC foundation Pad(standard RCC foundation pad on ground floors	Job	120890	1	120,890.00
NSI	Construction of Standard Rod Type Earth Pit for DG set with earth cable (Up to 10')	Job	259279.785	2	518,559.57
NSI	Supply of Automatic Transfer Switch consisting of the following 1. MC 150A TP Qty02 for ATS 2. MCCB 200 TP Qty03 for MOR	Job	753177.285	1	753,177.29
	Total Amount of Non Schedule Items				**29,333,594.06**
	Total Amount of S.I + N.S.I In Rs.				**36,404,460.35**

PROJECT DIRECTOR
Women University Swabi

Allied Engineering Consultants (Pvt) Ltd.

NAME OF PROJECT :CONSTRUCTION OF WOMEN UNIVERSITY SAWABI					
Name of Consultant: Allied Engineering Consultants (Pvt.) Ltd 19-A Halli Road Gulberg II. Lahore					
MAIN LT CABLES BILL OF QUANTITY					
Sr.No	**DESCRIPTION (MRS- 2025)BI ANNUAL**	**UNIT**	**RATE**	**QTY.**	**AMOUNT**
			(Rupees)		**(Rupees)**
	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits /trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.				
1.00	**ACADEMIC (BLOCK SCIENCE)**				
	INCOMING CABLE TRANSFORMER & DG SET TO SMDB				
15-07-f	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 37/0.083"	m	6210.71	350.00	2,173,748.50
2.00	**CAFATARIA**				
	INCOMING CABLE TRANSFORMER TO SMDB				
	Ground Floor				
15-06-f	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 7/0.064"	m	912.9	420.00	383,418.00
3	**LIBRARY**				
	INCOMING CABLE TRANSFORMER TO SMDB				
15-07-b	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.052"	m	1441.21	200.00	288,242.00
4.00	**MULTY PORPOSE HALL**				
	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits /trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.				
	INCOMING CABLE TO SMDB				
15-07-b	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.052"	m	1441.21	200.00	288,242.00
5	**EXAMINATION HALL**				
	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits /trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.				

Allied Engineering Consultants (Pvt) Ltd.

PROJECT DIRECTOR
Women University Swabi

15-07-b	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.052"	m	1441.21	260	374,714.60
6.00	**TUBEWEL**				
15-06-f	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 7/0.064"	m	912.9	400	365,160.00
	TOTAL SCHEDULE AMOUNT IN PAK Rs.				**3,873,525**

PROJECT DIRECTOR
Women University Swabi

Allied Engineering Consultants (Pvt) Ltd.

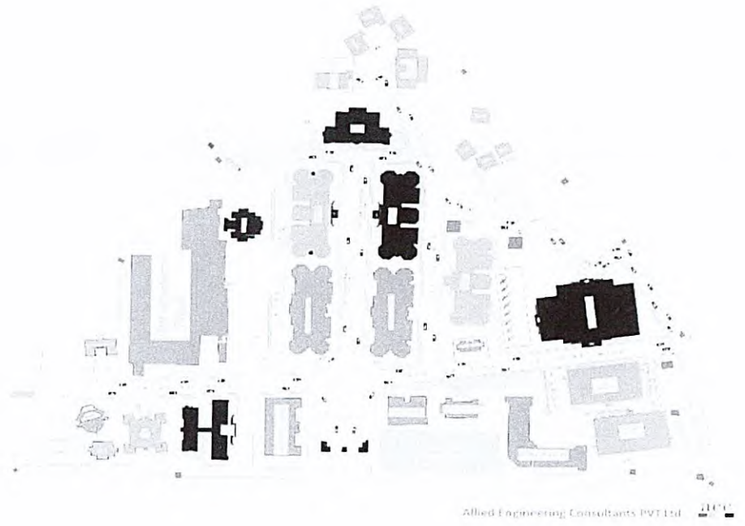
GOVT OF KHYBER PAKHTUNKHWA

WOMEN UNIVERSITY SWABI

STRENGTHENING OF WOMEN UNIVERSITY SWABI (NEW CAMPUS)

External Electrification Works

(Package -4)



Construction Drawings

ALLIED ENGINEERING CONSULTANTS (PVT) LIMITED

aec
THE DEVELOPMENT ENGINE

years of 59
Nation Building

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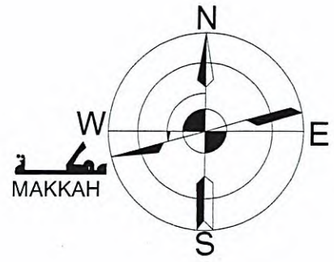
LEGEND

S.NO	DESCRIPTION	SYMBOLS
1	HT LINE	
2	LT LINE	
3	TRANSFORMER PAD MOUNTED	
4	DG SET	DG SET
5	SINGLE & DOUBLE ARM ROAD LIGHT/STREET LIGHT	
6	CABLES MAN HOLE	M
	SPLITER BOX	S.BOX



Project Director
WOMEN UNIVERSITY SWABI

Electrical Engineer
Allied Engineering Consultants (Pvt) Ltd.
Peshawar

WOMEN UNIVERSITY SWABI

DRAWING: ELECTRICAL LEGENDS		PROJECT NO.
		DRAWING NO. 1 - (01)
ENGNR: YASIR KHAN	CHECKED BY: MRS. SHAHINE KHAN	
DRAWN: YASIR KHAN	SCALE: AS SHOWN	DATE: MARCH 2026

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ARCHITECTS · ENGINEERS · PLANNERS.
19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752

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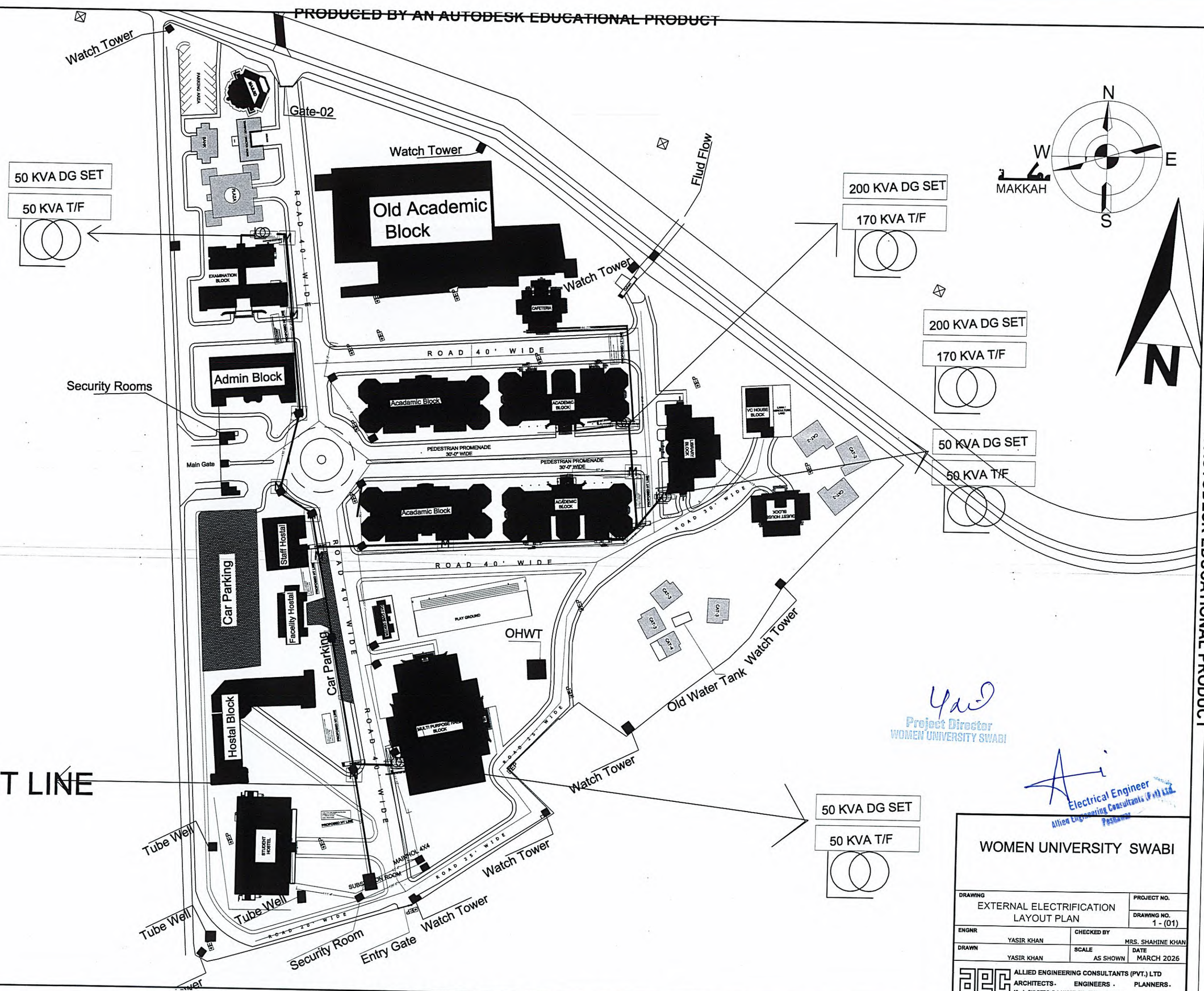

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DRAWING: EXTERNAL ELECTRIFICATION LAYOUT PLAN	PROJECT NO.
	DRAWING NO. 1 - (01)
ENGNR: YASIR KHAN	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: YASIR KHAN	SCALE: AS SHOWN / DATE: MARCH 2026

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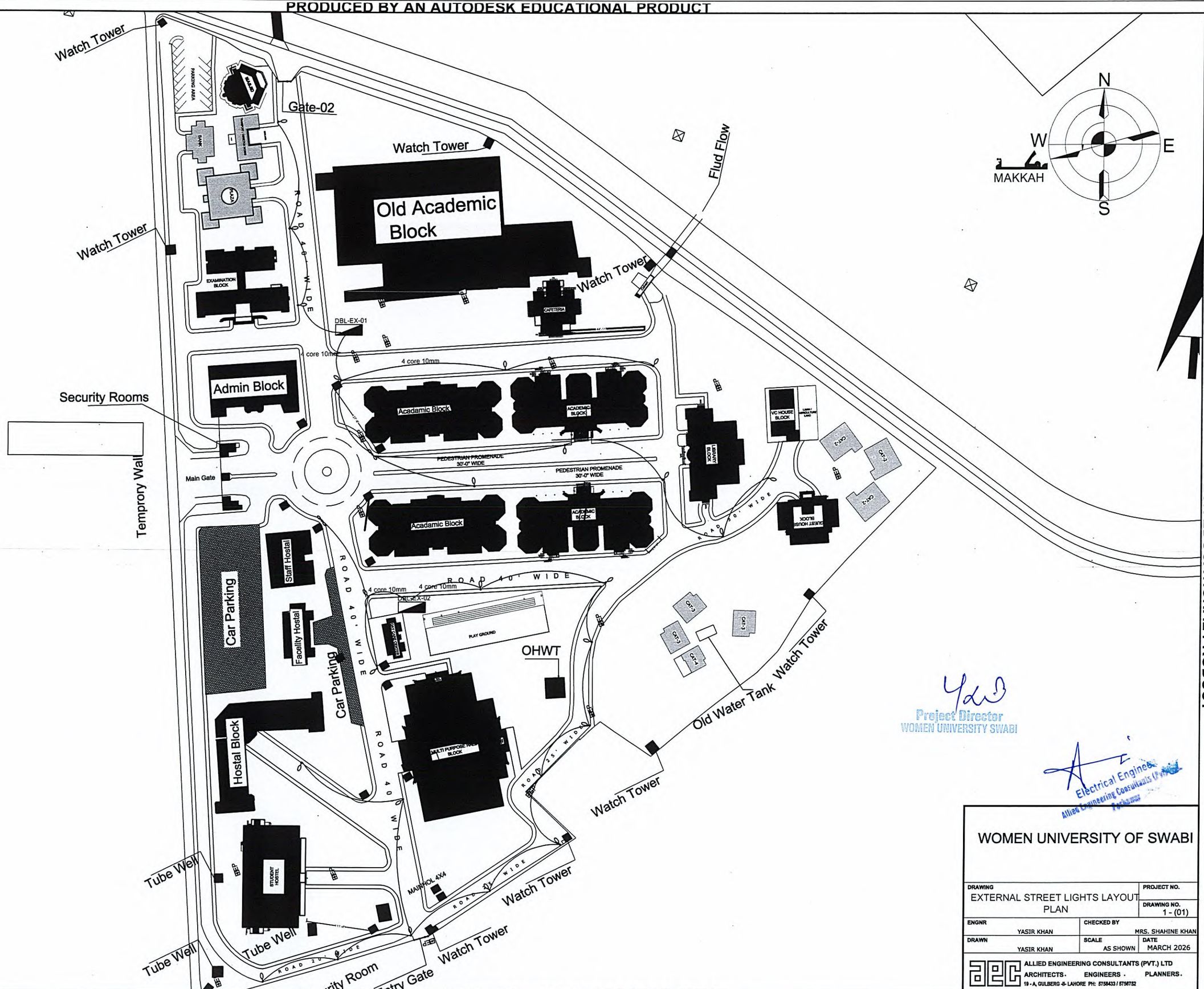

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Project Director
WOMEN UNIVERSITY SWABI

Electrical Engineer
Allied Engineering Consultants (Pvt.) Ltd.

WOMEN UNIVERSITY OF SWABI

DRAWING: EXTERNAL STREET LIGHTS LAYOUT PLAN	PROJECT NO.
	DRAWING NO. 1 - (01)
ENGNR: YASIR KHAN	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: YASIR KHAN	SCALE: AS SHOWN / DATE: MARCH 2026

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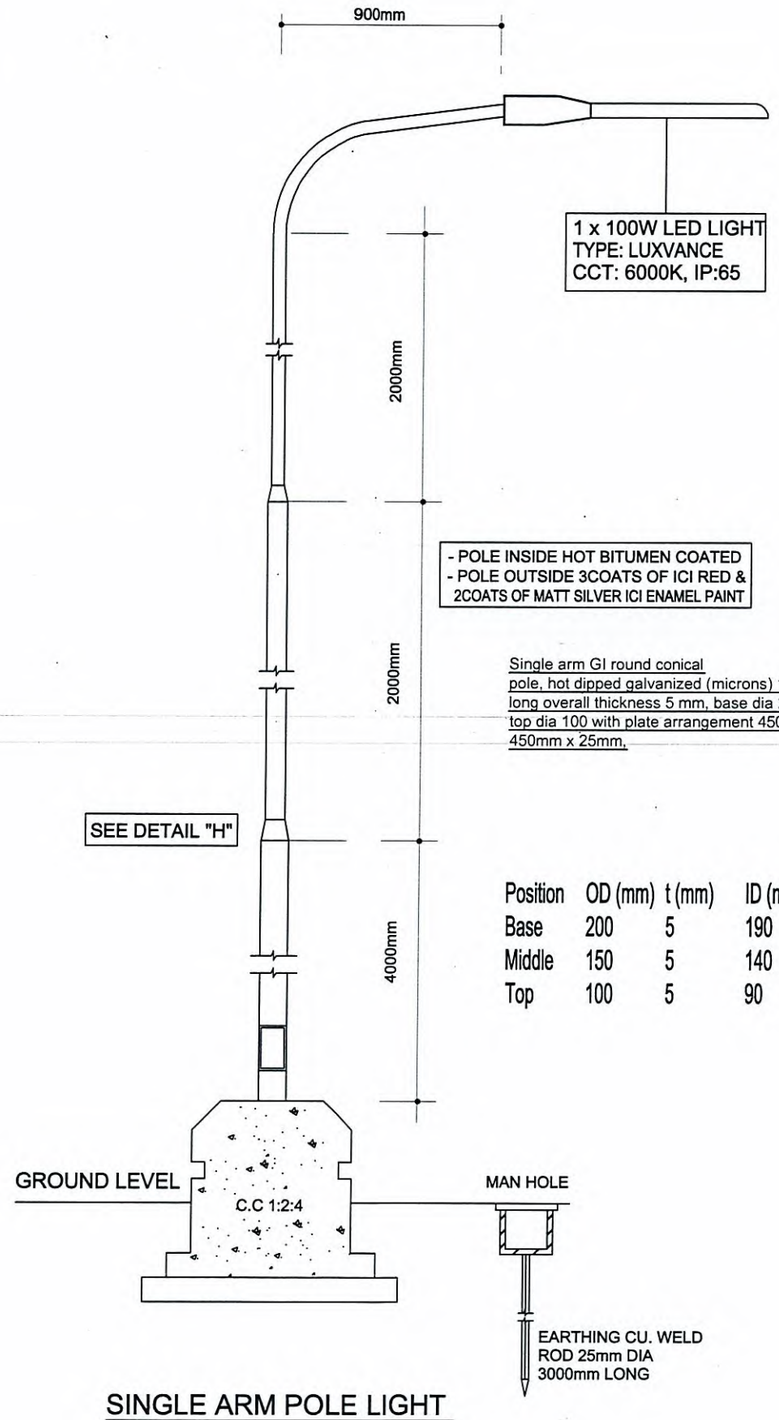
SYMBOL:-

A -DETAIL OF EXTERNAL POLE WITH SINGLE ARM

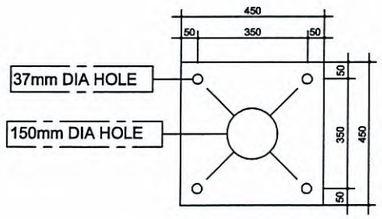
SCALE: N-T-S



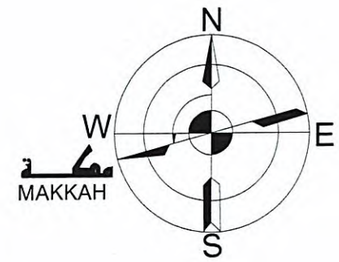
Single arm GI round conical pole, hot dipped galvanized (microns) 10 meters long overall thickness 5 mm, base dia 200 mm and top dia 100 with plate arrangement 450mm x 450mm x 25mm.

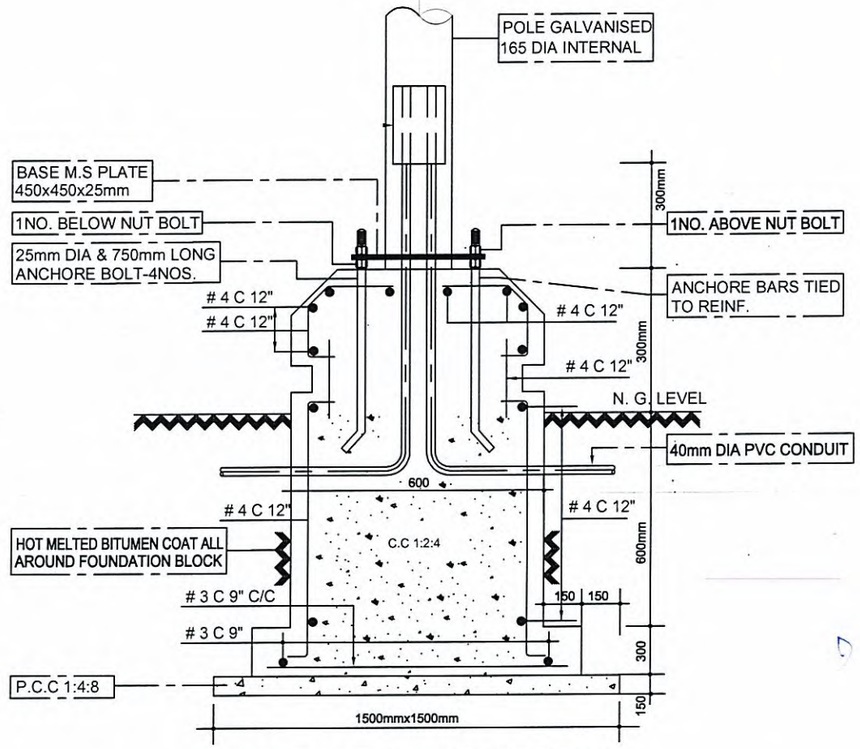
Position	OD (mm)	t (mm)	ID (mm)
Base	200	5	190
Middle	150	5	140
Top	100	5	90

SINGLE ARM POLE LIGHT



DETAIL OF M.S PLATE
450x450x25mm THICK.
SCALE: N-T-S





FOUNDATION DETAIL FOR POLE OF 10 METERS HEIGHT, CONTRACTOR TO PREPARE SHOP DRAWINGS & SUBMIT IT TO CONTRACTOR FOR APPROVAL

SCALE: N-T-S

Electrical Engineer
Allied Engineering Consultants (Pvt.) Ltd.
Peshawar

Project Director
WOMEN UNIVERSITY SWABI

WOMEN UNIVERSITY OF SWABI

DRAWING: EXTERNAL STREET LIGHT POLE & FOUNDATION	PROJECT NO.
	DRAWING NO. 1 - (01)
ENGNR: YASIR KHAN	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: YASIR KHAN	SCALE: AS SHOWN / DATE: MARCH 2026

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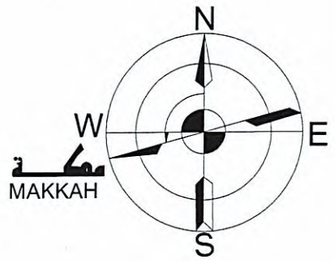

STREET LIGHT DOUBLE POLES
STREET LIGHT SINGLE POLES
GARDEN LIGHT
STREET LIGHT DOUBLE POLES
STREET LIGHT SINGLE POLES
GARDEN LIGHT
STREET LIGHT DOUBLE POLES
STREET LIGHT SINGLE POLES
MAIN GATE LIGHT

4 CORE 10mm sq PVC/PVC CU. COND. CABLE
600/1000V GRADE
IN 1.5" DIA uPVC CONDUIT BURIED UNDER GROUND

4CORE 10 mm sq PVC/PVC CU. COND. CABLE
600/1000V GRADE
IN 1.5" DIA uPVC CONDUIT BURIED UNDER GROUND

16A SP MCB RC:10KA
16A SP MCB RC:10KA
16A SP MCB RC:10KA
16A SP MCB RC:10KA
16A SP MCB RC:10KA
16A SP MCB RC:10KA
16A SP MCB RC:10KA
16A SP MCB RC:10KA

NOTE:
SPACE ONLY FOR
06 S/P MCBS

R

100 A TP
MAGNETIC CONTACTOR WITH
HAND,OFF,AUTO TIME SWITCH
PHOTO CELL

100A TP MCCB
RC:10KA

V

DISTRIBUTION BOARD-EXTERNAL

BRASS CABLE GLAND

4CORE 10 mm sq PVC/PVC CU. COND. CABLE
600/1000V GRADE
IN 1.5" DIA uPVC CONDUIT BURIED UNDER GROUND

I/C FROM TRANSFORMER

Electrical Engineer
Allied Engineering Consultants (Pvt) Ltd
Peshawar

Project Director
WOMEN UNIVERSITY SWABI

WOMEN UNIVERSITY SWABI

DRAWING: EXTERNAL DISTRIBUTION BOARD		PROJECT NO.
		DRAWING NO. 1 - (01)
ENGNR: YASIR KHAN	CHECKED BY: MRS. SHAHINE KHAN	
DRAWN: YASIR KHAN	SCALE: AS SHOWN	DATE: MARCH 2026

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