

**SHAHEED MOHTARMA
BENAZIR BHUTTO
MEDICAL UNIVERSITY
LARKANA**

TENDER DOCUMENTS



**Construction of External Development work of Central/Digital Library
& Central Masjid of "Establishment of Centre for Advanced Research in
Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir
Bhutto Medical University, Larkana".**

Issued to

M/s. _____

Pay Order No. & Dated: _____

Call Deposit No. & Dated: _____

OFFICE OF THE PROJECT DIRECTOR, SMBBMU LARKANA

Phone # 074-9410911, Fax: 074-475234

NOTICE INVITING TENDERS

Shaheed Mohtarma Benazir Bhutto Medical University, Larkana invites sealed tender/bids from all interested contractors/firms in percentage/ item rate tender to participate through (E-PADS) for following works.

The details are as under:

S.#	Name of Work	Tender Fee (Rs.)	Earnest Money	Completion Time
1	Construction of External Development work of Central/Digital Library & Central Masjid of “Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana”.	5,000	5%	06 Months

Mandatory Eligibility:

1. Valid Pakistan Engineering Council (PEC) relevant category or above.
2. Valid Registration with Income Tax, FBR and Sindh Revenue Board (SRB).
3. The firm shall have (05) years’ experience.
4. Annual Average Turnover Amount of 100.00 million for last 05 years.
5. Certificate/affidavit for not blacklisted currently (If firm was blacklisted in past & currently status is de-listed then such firm may be allowed for participation).
 - i. Issuance: Documents will be issued from date of publication / hoisting i.e from **15-10-2024 to 30-10-2024 till 4:00 pm.**
 - ii. Submission date will be **31-10-2024 up to 1:00 pm.**
 - iii. Opening: will be opened on **31-10-2024 at 1:30 pm.**

Method of Procurement: (Single Stage One Envelope).

Terms & Conditions:

a. Under following conditions bid will be rejected: -

- i. Conditional and telegraphic bids/tenders.
- ii. Bids not accompanied by bid security and form.
- iii. Bids received after specified date and time.
- iv. Bids of black listed firms.
- v. If bidder not participate through online (E-PADS)
- b. Bid Validity Period: 90 Days.

c. Application should be accompanied with 5% earnest money of tender amount in favour of Project Director SMBB Medical University, Larkana and tender fee Rs: 5,000/- (Five Thousand) in shape of pay order in favour of Vice Chancellor SMBB medical University, Larkana.

d. In case of firm, list of partners/partnership deed, giving full particulars of Director / Proprietor or other connected along with power of attorney or being sole proprietor such undertaking on affidavit is to be furnished.

The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (amended up to date) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under Rule-25” of said Rules.

(PROJECT DIRECTOR)
Administration Block
at Shaheed Mohtarma Benazir Bhutto
Medical University Larkana (Arija)
Phone No. 074-9410911 Fax: 074-475234
Email: pd@smbbmu.edu.pk

General Conditions

General Provisions

1.1 Definitions

In the Conditions of Contract (“these Conditions”), which include Particular Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

- A. **“Employer”** means the Shaheed Mohtarma Benazir Bhutto Medical University (SMBBMU), Larkana solely represented by the vice Chancellor of Shaheed Mohtarma Benazir Bhutto Medical University (SMBBMU), Larkana.
- B. **“Contractor”** means the persons or, firm or company, whose tender has been accepted by the Employer and includes Contractors representative, successors and permitted assignees.
- C. **“Consultant”** means who prepared the Drawings, design and these documents, will provide consulting services to the Employer during construction.
- D. **“Project Director”** means the authorized Officer of the University, who possess the role of Controlling and Co-ordination between University, Consultants and Contractor.
- E. **“Works”** means all the works and things to be executed, supplied or done in accordance with the contract.
- F. **“University”**: means Shaheed Mohtarma Benazir Bhutto Medical University (SMBBMU), Larkana.

1.1.1 The Contract

1.1.1.1 “Contract” means the Contract Agreement, the Letter of Acceptance, the Letter of Tender, these Conditions, the Specification, the Drawings, the Schedules, and the further documents (if any) which are listed in the Contract Agreement or in the Letter of Acceptance.

1.1.1.2 “Contract Agreement” means the contract agreement referred to in Sub- Clause 1.6 [Contract Agreement].

1.1.1.3 “Letter of Acceptance” means the letter of formal acceptance, signed by the Procuring Agency, of the Letter of Tender, including any annexed memoranda comprising agreements between and signed by both Parties. If there is no such letter of acceptance, the expression “Letter of Acceptance” means the Contract Agreement and the date of issuing or receiving the Letter of Acceptance means the date of signing the Contract Agreement.

1.1.1.4 “Letter of Tender” means the document entitled letter of tender or letter of bid, which was completed by the Contractor and includes the signed offer to the Procuring Agency for the Works.

1.1.1.5 “Specification” means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.

1.1.1.6 “Drawings” means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Procuring Agency in accordance with the Contract.

1.1.1.7 “Schedules” means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Tender, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

1.1.1.8 “Tender” means the Letter of Tender and all other documents which the Contractor submitted with the Letter of Tender, as included in the Contract.

1.1.1.9 “Bill of Quantities”, “Daywork Schedule” and “Schedule of Payment Currencies” mean the documents so named (if any) which are comprised in the Schedules.

1.1.1.10 “Contract Data” means the pages completed by the Procuring Agency entitled contract data which constitute Part A of the Particular Conditions.

1.1.2 Parties and Persons

1.1.2.1 “Party” means the Procuring Agency or the Contractor, as the context requires.

1.1.2.2 “Procuring Agency” means the person named as employer in the Contract Data and the legal successors in title to this person.

1.1.2.3 “Contractor” means the person(s) named as contractor in the Letter of Tender accepted by the Employer and the legal successors in title to this person(s).

1.1.2.4 “Engineer” means the person appointed by the Procuring Agency to act as the Engineer for the purposes of the Contract and named in the Contract Data, or other person appointed from time to time by the Employer and notified to the Contractor under Sub-Clause 3.4 [Replacement of the Engineer].

1.1.2.5 “Contractor’s Representative” means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under Sub-Clause 4.3 [Contractor’s Representative], who acts on behalf of the Contractor.

1.1.2.6 “Procuring Agency’s Personnel” means the Engineer, the assistants referred to in Sub-Clause 3.2 [Delegation by the Engineer] and all other staff, labour and other employees of the Engineer and of the Procuring Agency; and any other personnel notified to the Contractor, by the Procuring Agency or the Engineer, as Procuring Agency’s Personnel.

1.1.2.7 “Contractor’s Personnel” means the Contractor’s Representative and all personnel whom the Contractor utilizes on Site, who may include the staff, labour

and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

1.1.2.8 “Subcontractor” means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.

1.1.2.9 “DB” means the person or three persons appointed under Sub-Clause 20.2 [Appointment of the Dispute Board] or Sub-Clause 20.3 [Failure to Agree on the Composition of the Dispute Board].

1.1.2.10 “FIDIC” means the Federation International des Ingenious-Conseils, the international federation of consulting engineers.

1.1.2.11 “Bank” means the financing institution (if any) named in the Contract Data.

1.1.2.12 “Borrower” means the person (if any) named as the borrower in the Contract Data.

1.1.3 Dates, Tests, Periods and Completion

1.1.3.1 “Base Date” means the date 15 days prior to the latest date for submission and completion of the Tender.

1.1.3.2 “Commencement Date” means the date notified under Sub-Clause 8.1 [Commencement of Works].

1.1.3.3 “Time for Completion” means the time for completing the Works or a Section (as the case may be) under Sub-Clause 8.2 [Time for Completion], as stated in the Contract Data (with any extension under Sub-Clause 8.4 [Extension of Time for Completion]), calculated from the Commencement Date.

1.1.3.4 “Tests on Completion” means the tests which are specified in the Contract or agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Procuring Agency.

1.1.3.5 “Taking-Over Certificate” means a certificate issued under Clause 10 [Procuring Agency’s Taking Over].

1.1.3.6 “Tests after Completion” means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Procuring Agency.

1.1.3.7 “Defects Notification Period” means the period for notifying defects in the Works or a Section (as the case may be) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], which extends over twelve months except if otherwise stated in the Contract Data (with any extension under Sub-Clause 11.3 [Extension of Defects Notification Period]), calculated from the

date on which the Works or Section is completed as certified under Sub-Clause 10.1 [Taking Over of the Works and Sections].

1.1.3.8 “Performance Certificate” means the certificate issued under Sub-Clause 11.9 [Performance Certificate].

1.1.3.9 “day” means a calendar day and “year” means 365 days.

1.1.4 Money and Payments

1.1.4.1 “Accepted Contract Amount” means the amount accepted in the Letter of Acceptance for the execution and completion of the works and the remedying of any defects.

1.1.4.2 “Contract Price” means the price defined in Sub-Clause 14.1 [The Contract Price] , and includes adjustments in accordance with the Contract.

1.1.4.3 “Cost” means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.

1.1.4.4 “Final Payment Certificate” means the payment certificate issued under Sub-Clause 14.13 [Issue of Final Payment Certificate].

1.1.4.5 “Final Statement” means the statement defined in Sub-Clause 14.11 [Application for Final Payment Certificate].

1.1.4.6 “Foreign Currency” means a currency in which part (or all) of the Contract Price is payable, but not the Local Currency.

1.1.4.7 “Interim Payment Certificate” means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate.

1.1.4.8 “Local Currency” means the currency of the Country.

1.1.4.9 “Payment Certificate” means a payment certificate issued under Clause 14 [Contract Price and Payment].

1.1.4.10 “Provisional Sum” means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [Provisional Sums].

1.1.4.11 “Retention Money” means the accumulated retention moneys which the Procuring Agency retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.9 [Payment of Retention Money].

1.1.4.12 “Statement” means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.

1.1.5 Works and Goods

1.1.5.1 “Contractor’s Equipment” means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the

remedying of any defects. However, Contractor's Equipment excludes Temporary Works, Procuring Agency's Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.

1.1.5.2 "Goods" means Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.

1.1.5.3 "Materials" means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.

1.1.5.4 "Permanent Works" means the permanent works to be executed by the Contractor under the Contract.

1.1.5.5 "Plant" means the apparatus, machinery and vehicles intended to form or forming part of the Permanent Works, including vehicles purchased for the Procuring Agency and relating to the construction or operation of the Works.

1.1.5.6 "Section" means a part of the Works specified in the Contract Data as a Section (if any).

1.1.5.7 "Temporary Works" means all temporary works of every kind (other than Contractor's Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.

1.1.5.8 "Works" mean the Permanent Works and the Temporary Works, or either of them as appropriate.

1.1.6 Other Definitions

1.1.6.1 "Contractor's Documents" means the calculations, computer programs and other software, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.

1.1.6.2 "Country" means the country in which the Site (or most of it) is located, where the Permanent Works are to be executed.

1.1.6.3 "Procuring Agency's Equipment" means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Employer.

1.1.6.4 "Force Majeure" is defined in Clause 19 [Force Majeure].

1.1.6.5 "Laws" means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.

1.1.6.6 "Performance Security" means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].

1.1.6.7 "Site" means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site.

1.1.6.8 “Unforeseeable” means not reasonably foreseeable by an experienced contractor by the Base Date.

1.1.6.9 “Variation” means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].

1.2 Interpretation

In the Contract, except where the context requires otherwise:

- (a) Words indicating one gender include all genders;
- (b) Words indicating the singular also include the plural and words indicating the plural also include the singular;
- (c) provisions including the word “agree”, “agreed” or “agreement” require the agreement to be record in writing;
- (d) “Written” or “in writing” means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and
- (e) The word “tender” is synonymous with “bid”, and “tenderer” with “bidder” and the words “tender documents” with “bidding documents”.

The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

In these Conditions, provisions including the expression “Cost plus profit” require this profit to be one-twentieth (5%) of this Cost unless otherwise indicated in the Contract Data.

1.3 Communications

Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:

- (a) in writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Contract Data; and
- (b) Delivered, sent or transmitted to the address for the recipient’s communications as stated in the Contract Data. However:
 - (i) If the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and
 - (ii) If the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued. Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Engineer or the other Party, as the case may be.

1.4 Law and Language

The Contract shall be governed by the law of the country or other jurisdiction stated in the Contract Data.

The ruling language of the Contract shall be that stated in the Contract Data.

The language for communications shall be that stated in the Contract Data. If no language is stated there, the language for communications shall be the ruling language of the Contract.

1.5 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

- (a) The Contract Agreement (if any),
- (b) The Letter of Acceptance,
- (c) The Tender,
- (d) The Particular Conditions - Part A,
- (e) The Particular Conditions - Part B,
- (f) These General Conditions,
- (g) The Specification,
- (h) The Drawings, and
- (i) The Schedules and any other documents forming part of the Contract.

If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.

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PART II - SPECIAL /PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

1.1.1.4 “Form of Bid” is synonymous with “Letter of Tender”.

1.1.1.5 “Bid” is synonymous with “Tender”.

1.1.1.10 “Bidding” is synonymous with “contract”. *The following paragraph is added:*

1.1.1.11 “Programme” means the program to be submitted by the contractor in accordance with Sub-Clause 8.3 and any approved revisions thereto.

1.1.2.2 “Procuring Agency” is synonymous with “Procuring Agency” 1.1.2.9 “DB” is synonymous with “Committee”. 1.1.3.1 Replace 28 days by 7 days in LCB and 15 days in ICB.

1.1.3.7 “Defects notification Period” is synonymous with “Defects liability Period”.

1.15 **Inspections and Audit by the Bank** Deleted *Procuring Agency can retain this clause with or without changes, in case of contracts under Project, Bank and donor’s program.*

Not Applicable.

3.1 Engineer’s Duties and Authority.

The following paragraph is added after duties:

Procuring agency shall ensure that the Engineer’s Representative/Staff is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

4.3 Contractor’s Representative

The following text is to be added after last line:

The contractor’s authorized representative and his other professional engineers working at site shall register themselves with the Pakistan Engineering Council.

6.10 Records of Contractor’s Personnel and 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-clause 7.9 is added in (GCC):

7.9 Use of Pakistani Materials and Services

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

8.1 Commencement of Works

The last para is deleted and substituted with the following: The contractor shall commence the works on site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the contractor shall proceed with the works with due expedition and without delay.

8.2 Prolonged Suspension

Replace 84 days by **120 days**.

8.3 Programme

The following text is to be added after [Commencement of Works] The programme shall be submitted in the either form of Bar Chart identifying the critical activities.

13.1 Right to vary

In the last line of Para, after the word "Variation", the word "in writing" is added.

13.3 Variation procedure

In the tenth line, after the words "as soon as practicable" following is added: "and within a period not exceeding one-eighth of the completion time"

13.8 Adjustment for changes in cost

Not applicable

Similarly reduction in the cost of these materials will also be recovered from the contractor accordingly

14.1 The Contract Price

Sub-para (d) is deleted.

14.2 Advance Payment

See Special Conditions.

Mobilization Advance/Advance Payment

See Special Conditions.

14.5 Plants and Materials intended for Works

Add the following paragraph as sub-clause 14.5 (d) for Secured Advance on non – perishable materials and sub-clauses (a), (b) and (c) will be applicable for plants only :-

- (I) The Contractor shall be entitled to receive from the procuring agency Secured Advance against an **INDENTURE BOND** in Public Works Account Form No.31 (Fin. R. Form No. 2) acceptable to the procuring agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the site but not yet incorporated in the Permanent Works provided that:
 - (i) The materials are in accordance with the specifications for the permanent works;
 - (ii) Such materials have been delivered to the site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer/Assistant Engineer but at the risk and cost of the Contractor;
 - (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
 - (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;

BIDDING DATA

Contract/Bidding Data

The following specific data for the works to be tendered 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.

Instructions to Bidders

Clause Reference

1.1 Name and address of the procuring agency: **Shaheed Benazir Bhutto Medical University,
Larkana.**

1.2 Name of the Project and Summary of the works:

Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana".

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

SMBB Medical University Larkana"

8.1 Time limit for clarification: **05 days.**

10.1 Bid language: **English**

11.1 (a) Prequalification Information to be updated (where applicable):

Open Tenders

11.1 (b) Furnish and Technical Proposal (*in case of two envelope method*) or Company Profile in single stage single envelope: N/A.

The bidder has to submit a technical proposal in sufficient detail to demonstrate the adequacy of the bid in meeting requirements for timely completion of the works.

13.1 Bidders to quote entirely in Pak. rupees but specify the percentages of foreign currency they require, if applicable. N/A.

14.1 Period of Bid Validity: **90 days.**

17.1 Venue, time, and date of the pre-Bid meeting: **N/A.**

18.4 Number of copies of the bid to be completed and returned: **N/A.**

19.2 (a) Procuring Agency's address for the purpose of bid submission:
Office of the Project Director, SMBBMU, Larkana.

(b) Name and Identification Number of the Contract:

**Construction of External Development work of Central/Digital Library & Central Masjid of
"Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at
Shaheed Mohtarma Benazir Bhutto Medical University, Larkana**

20.1 (a) Deadline for submission of bids: **31-10-2024 1: 00 pm.**

(b) Venue, time, and date of bid opening: **Office of the Project Director, SMBBMU,
Larkana (Arija) on 31-10-2024 at 1:30
PM**

**FORM OF BID
AND
APPENDICES TO BID**

FORM OF BID

Bid Reference No. **Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana". TO:**

1. Having examined the bidding documents including Instructions to Bidders, Bidding Data, and Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. _____ for the execution of the above-named work, we/I, the undersigned, offer to execute and complete the work 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/I 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/I submit herewith a bid security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to procuring agency and valid for a period of _____ days beginning from the date, bid is opened.
4. We/I 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/I agree to abide by this bid for the period of _____ days from the date fixed for opening 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.

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

9. We undertake, if our/my bid is accepted, to execute the Performance Security referred to in Clause 10 of Conditions of Contract for the due performance of the Contract.
10. We confirm, if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the procuring agency. *(Please delete this in case of Bid form a single bidder)*
 in the capacity of _____ duly authorized to sign Bids for and on behalf of

Dated this _____ day of _____ 20_____
 Signature: _____

(Name of Bidder in Block Capitals)
(Seal)

Address: _____

Witness:

Signature: _____

Name: _____

Address: _____

Occupation: _____

.

SPECIAL STIPULATIONS
Clause
Conditions of Contract

1.	Minimum amount of Third Party Insurance	18.3	N/A.
3.	Time for Commencement	8.1	Within 07 days from the date of receipt of Engineer's Notice to Commence, this shall be issued within fourteen (14) days after signing of Contract Agreement.
4.	Time for Completion (works & sections)	8.2 & 10.2	06 Months from the date of receipt of Engineer's Notice to Commence/Work order.
5.	Amount of Liquidity Damages/Delay Damages/Penalties	8.7	0.05% Damages per day but total amount will not be more than 10% of contract Price.
6.	Defects Liability Period	11.1	90 days from the effective date of Taking Over Certificate.
7.	Percentage of Retention Money on running bill.	14.2	5% of the amount of Interim/Running Payment Certificate.
8.	Percentage of total Retention Money	14.2	10% of Contract Price stated in the Letter of Acceptance.
9.	Minimum amount of Interim/Running Payment Certificates	14.2	Rs. 5.00 (M), subject to availability of funds.
10.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	30 days. (subject to availability of funds).
11.	Mobilization Advance.	14.2	10% of Contract Price stated in the Letter of Acceptance on Bank Guarantee.
12.	Escalation		Escalation shall be paid separately as per Notifications issued by Govt. of Sindh/Price Adjustment as per rules.
13	Action when whole of the security deposit is forfeited:	Clause- 1.	<p>In any case in which under any clause or clauses of this contract the Contractor shall have rendered himself liable to pay compensation amounting to the whole of his security deposit (whether paid in one sum or deducting by installment) I or in the case of abandonment of the work owing to the serious illness or death of the Contractor or any other case, the Project Director , on behalf of the SMBBMU, Larkana shall have power to adopt any of the following courses, as he may deem best suited to the interests of University.</p> <p>(a) To rescind the contract (of which rescission notice in writing to the contractor under the hand of the Project Director shall be conclusive evidence) and in that case the security deposit of the Contractor shall stand</p>

			<p>forfeited and absolutely at the disposal of University.</p> <p>(b) To employ labour paid by the University to carry out the work, or any part of the work, debiting the Contractor with the cost of the labour (as to the correctness of which cost and price the certificate of Project Director shall be final and conclusive against the Contractor) and crediting him with the value of the work done, in all respects in the same manner and at the same rates as if it had been carried out by the Contractor under the terms of his contract; and in that case the certificate of the Project Director as to the value of the work done shall be final and conclusive against the Contractor.</p> <p>(c) To measure up the work of the Contractor and to take such part thereof as shall be unexpected out of his hands, and to give it to another Contractor to complete it, in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Contractor if the whole work had been executed by him (as to the amount of which excess expenses the certificates in writing of the Project Director shall be final and conclusive) shall be borne and paid by the original Contractor and shall be deducted from any money due to him by University under the contractor or otherwise or from his security deposit or the proceeds of sale thereof, or a sufficient part thereof.</p> <p>In the event of any of the above courses being adopted by the Project Director Contractor shall have no claim to compensation for any loss sustained by him-by reason of his having purchased or procured any materials, or entered into any engagements, or made any advance on account of or with a view to the execution of the work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, the Contractor shall not be entitled to recover or be paid any sum for any work therefore actually performed by him under this contract unless and until the Project Director shall have certified in writing the performance of such work and the amount payable in respect thereof, and he shall only be entitled to be paid the amount so certified.</p>
14	Action when the progress of any particular position of the work is unsatisfactory:	Clause-2	If the progress of any particular portion of the work is unsatisfactory. Project Director on recommendation of Engineer, shall not withstanding that the general progress of the work is in accordance with the conditions, be entitled to take action under clause 1 (b) after giving the Contractor 10 days notice in writing. The Contractor will have no claim for

			compensation; for any loss sustained by him owing to such no claim for compensation, for any loss sustained by him owing to such action.
15	<p>Contractor remains liable to pay compensation if action not taken under clause 3 and 4.</p> <p>power to take possession of or required removal of or sell contractor's plant</p>	Clause-3	<p>In any case in which any of the power conferred upon the Project Director by clause 1 and 2 hereof shall have become exercisable and the same shall not have been exercised the non-exercised thereof shall not constitute a waiver of any of the conditions hereof and -such powers shall notwithstanding be exercisable in the event of any future case of default by the Contractor for which under any clause or clauses hereof he is declared liable to any compensation amounting if the whole of his security deposit and the liability of the Contractor for past and future compensation shall remain unaffected. In the event of the Project Director taking action under sub-clause (a) or (c) of clause 1, he may, if he so desires, take possession of all or any tools, plant, materials and stores in or upon the works, of the site thereof or belonging to the Contractor or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account at the contract rate, or in the case of contract not being applicable, at current market rates, to be certified by the Project Director whose certificate thereof shall be final. In the alternative, the Project Director may, after giving notice in writing to the Contractor or his clerk of the work foreman or other authorized agent, required him to remove such tools, plant materials, or stores from the premises within a time to be specified in such notice, and in the event of the Contractor is failing to comply with any such requisition, the Project Director may remove them at the Contractor's expense or sell them by auction or private sale on account of the Contractor and at his risk in all respects, and the certificate of the Project Director as to the expense of any such removal and the amount of the proceeds and expense of any such sale shall be final and conclusive against the Contractor.</p>
17	Extension Of Time	Clause-4	<p>If the Contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidable hindered in its execution or on any other ground, he shall apply in writing to the Project Director within 30 days from the date of which the execution of the work, was hindered as aforesaid or on which the ground for asking for extension arose and in any case before the date of completion of the work and the Project Director may, if in his opinion, there are reasonable grounds for granting an extension, grant such extension as he thinks necessary or proper. The decision of the Project Director in this matter shall be final.</p>

			<p>Provided that where the Contractor is hindered in the execution of the work on account of any act or omission on the part of the University or its authorized officers, the Project Director may at any time before the date of completion and on his own initiative extend the time for completion of the work for such period as he may think necessary or proper.</p> <p>Where time has been extended under this or any other clause of this agreement the date for completion of the work shall be the date fixed by the order giving the extension or by the aggregate of all such orders, made under this agreement.</p> <p>When time has been extended as aforesaid, it shall continue to be the essence of the contract and all clauses of the contract shall continue to be operative during the extended period.</p>
16	Final Certificate	Clause-5	<p>On completion of the work the Contractor shall be furnished with a certificate by the Engineer/End user of such completion, but no such certificate shall be given nor shall the work be considered to be complete until the Contractor shall have removed from premises on which the work shall have been executed all scaffolding surplus materials and rubbish and shall have cleaned the site of work in and around the structures / works completed and shall have cleaned off the dirt from all woodwork, doors, windows, walls, floors, or other parts of any building in or upon which the work has been executed, or of which he may have had possession for the purpose of executing the work, nor until the work shall have been measured by the Engineer or where the measurements have been taken by his subordinate until they have received the approval of the Project Director, the said measurements being binding and conclusive against the Contractor. If the Contractor shall fail to comply with the requirements of this clause is to the removal of scaffolding, surplus materials and rubbish and shall have cleared the site of work in and around the structures/works completed and dispose of the same as he thinks fit and clean of such dirt as aforesaid; and the Contractor shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any such actually realized by the sale thereof.</p>
17	Payment Of Intermediate Certificate To Be Regarded As Advance	Clause-6	<p>No payment shall be made for any work, estimated to cost less than rupees ten thousand till after the whole of the work shall have been completed and a certificate of completion given. But in the case of work estimated to cost more than rupees ten thousands, the Contractor shall</p>

			<p>on submitting bill therefore, as provided in Clause-10 be entitled to receive payment proportionate to the part of the work then approved and passed by the Engineer and Project Director, whose certificate such approval and passing of the sum so payable shall be final and conclusive against the Contractor. All such intermediate payments shall be regarded as payments by way of advance against the final payments only and not as payment for work actually done and completed, and shall not preclude the Engineer and Project Director from requiring any bad, unsound, imperfect or unskillful work to be removed or taken away and reconstructed, or re-erected, nor shall any such payment be considered as an admission of the due performance of the contract or any part thereof in any respect or the occurring of any claims; nor shall it conclude, determine, or affect in any other way the powers of the Project Director as to the final settlement and adjustment of the accounts or otherwise, or in any way vary or effect the contract. The final bill shall be submitted by the Contractor within one month of the date fixed for the completion of the work otherwise Engineer's certificate of the measurements and of the total amount payable for the work shall be final and binding on all parties.</p>
18	<p>payment at reduced rates of account of item of work not accepted as completed to be at the discretion of the Project Director</p>	Clause-7	<p>The rates for several items of works estimated to cost more than 1,000.00, agreed to within shall be valid only when the item concerned is accepted as having been completed fully in accordance with the sanctioned specifications. In cases where the items of work are not accepted as so completed the Engineer may certify payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on account bills.</p>
19	<p>Bills to be submitted monthly</p>	Clause-8	<p>A bill shall be submitted by the Contractor as frequently the progress of the work may justify for all the work executed and not included in any previous bill and the Engineer shall take or cause to be taken the; requisite measurements for the purpose of having the same verified and the claims, as far as admissible, adjusted, if possible before the expiry of 21 days from the presentation of the bill at any time depute a subordinate to measure up the said work in the presence of the Contractor or his authorized agent, whose counter signature to the measurement list will be sufficient warrant and the Project Director may prepare a bill from such list which shall be binding on tilted Contractor in all respects. In case the Contractor or his authorized agent is not present at the site of work at the time fixed for recording measurements, or being present, does not</p>

			<p>counter sign the measurement list, the measurements recorded by the Engineer or his authorized subordinate shall be treated by the Engineer or his authorized subordinate shall be treated as correct and binding on the Contractor unless the Contractor within seven days of date of recording such measurements submit to the Project Director a detailed letter pointing out the errors or omissions in the record measurements. In case of such disagreement, the Project Director shall held or cause to be hold the site investigations and give his decision. The decision of the Project Director shall be final.</p>
20	Bills to Be Printed On Forms	Clause-9	<p>The Contractor shall submit all bills on his own primed forms. The bills shall be submitted to the Engineer in triplicate who will then scrutinize these bills and forward two copies to the Project Director and retain one copy in their office. The charges to be made in the bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions, and not mentioned or provided for in the tender at the rates hereinafter provided for such work.</p>
21	Store Supplied By University	Clause-10	<p>If the specification or estimate of the work provides for the use of an' special description of materials to be supplied from the store of the University or if it is required that the Contractor shall use certain stores to be provided by the Project Director such material and stores, and the prices to be charged therefore as hereinafter mentioned being so far as practicable for the convenience of the Contractor but not so as any way to control the meaning of effect of this contract specified in the schedule or memorandum hereto annexed, required from time to time to be used by him for the purpose of the contract only and the value of the full quantity of the materials and stores so supplied shall be sent off or deducted from any sums then due, or thereafter to become due to the Contractor under the contract, otherwise, or from the security deposits, or the proceed of sale thereof, if the security deposit as held in Government securities the same or a sufficient portion hereof shall in that case be sold for the absolute property of University and shall on no account remove from the site of the work, and shall at all times be open to inspection by the Project Director. Any such materials unused and perfectly good condition at the time of completion or determination of the contracts shall be returned to the University Stores, if the Project Director so requires by a notice in writing under his hand, but the Contractor shall not be entitled to return any such materials except with the consent of the Project Director and he shall have no claim for compensation on</p>

			account of any such material supplied to him as aforesaid but remaining unused by him or for, any, wastage in or damage to any such materials.
22	Works to be executed in accordance with specifications. Drawings. Orders etc.	Clause-11	The Contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner and both as regards materials and all other matters in strict accordance with the specifications lodged in the office of the Project Director and initialed by the parties, the said specification being a part of the contract. The contractor shall also conform exactly, fully and faithfully to the designs, drawings and instruction in writing relating to the work signed by the Project Director and lodged in his office and to which the Contractor shall be entitled to have access at such office or on the site of work for the purpose of inspection during office hours and the Contractor shall if he so requires, be entitled at his own expenses to make or cause to be made copies of the specifications, and of all such designs drawings and instructions as aforesaid
23	Alterations in specifications and design. Not to invalidate contracts	Clause-12	The Project Director on the recommendation of Engineer shall have power to make any alterations in, or additions to the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out of the work, in accordance with any instructions in this connection which may be given to him in writing by the Project Director and such alterations shall, not invalidate the contract; and any altered or additional work which the Contractor may be directed to do in the mentioned above specified subject to the limit laid down in clause 37 below as part of the work shall be carried out by the Contractor on the same conditions in all respects on which he agreed to do the main work and at the same rate as re specified in the tender for the main work. The time for completion of the work shall be extended in the proportion that the additional work bears to the original contract work, and the certificate of the Project Director as to such proportion shall be conclusive. And if the altered or additional work includes any class of work for which no rate is specified in its contract, then such class of work shall be paid for at () percent below/above the rates shown for such work in the Government of Sind Schedule of rates 2004, as amended from time to time and if such last mentioned class of work is not entered in the Government of Sind Schedule of Rates 2004 as of the date of receipt by him of the order to carry out the work, inform the Project Director through the Consultants of the rate which it is his intention to charge for such class of work, and if

			<p>the Project Director and the Consultants are satisfied with the rate analysis, then he shall allow him that rate, but if the Owner does not agree to this rate, he shall be notified in writing be at liberty to cancel his order to carry out such class of work, and arrange to carry it out in such manner as he may consider advisable, provided always that if the Contractor shall commence work or incur any expenditure in regard thereto before the rates shall have been determined as lastly hereinbefore mentioned then in such case he shall only be entitled to be paid in respect of the work carried out for expenditure incurred by him prior the work carried out for expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Owner. In the event of a dispute, the decision of the Project Director will be final, conclusive and binding.</p>
24	No Claim To Any Payment Or Compensation For Alteration In Or Restriction Of Work	Clause-13	<p>If at any time after the execution of the contract documents the Project Director shall for any reason whatsoever in the tender to be carried out at all or carried out in part by the Contractor, he shall give notice in writing of the fact to the Contractor, who shall thereupon have no claim to any payment of compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not so derive in consequence of the full amount of the work not having been carried out, neither shall he have any claim for compensation by reason of any alterations, having been made in the original specifications, drawings, designs, and instruction, which may involve any curtailment of the work as original contemplated. Where materials have already been collected at site of the work before the receipt of the said notice to stop or curtail the work, the Contractor shall be paid for such materials at the rates determined by the Project Director provided they are not in excess of requirements and are of approved quality.</p>
25	Time Limit for Unforeseen Claims	Clause-14	<p>Under no circumstances whatsoever shall the contractor be entitled to any compensation from Authority on any account unless the Contractor shall have submitted a claim in writing to the Project Director within one month of the cause of such claim occurring. The Contractor shall give full details of such claim, indicating the part of the work is the subject matter of such claim, the reasons giving rise to the said claim and submit as far as possible, documentary evidence in support of the reasons and the calculations for such claim. The claim shall not be considered as valid or payable unless it has been scrutinized & accepted by the Engineer and Project Director &</p>

			will become payable only to the extent up to which it has been accepted by the Project Director.
26	Action and Compensation In Case Of Bad Work	Clause-15	If at any time before the security deposit is refunded to the Contractor, it shall appear to the Project Director or his subordinate-Incharge of the work, that any work lies been executed with unsound, imperfect or unskilled workmanship or with materials of inferior quality, or that any materials or articles provided by him for the execution office work are unsound, or of quality inferior to that contracted for, or are otherwise not in accordance with the contract, shall be lawful for the Project Director to intimate this fact in writing to the Contractor and then notwithstanding the fact that the work, materials or articles complained of any have been inadvertently passed, certified and paid for the Contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require, or if so required shall remove the materials or articles, and provide other proper and suitable materials or articles at his own proper charge and cost; and in the event of his failing to do so within a period to be specified by the Project Director in the writing intimation aforesaid, the Contractor shall be liable to pay compensation at the rate of one percent, on the amount of the estimate for every day not exceeding ten days, during which the failure so continues, and in the case of any such failure the Project Director may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be as the risk and expense in all respects of the Contractor. Should the Project Director consider that any such inferior work or materials as described above may be accepted or made use of it shall be within the discretion to accept the same at such reduced rates as he may fix thereof.
27	Work To Be Open To Inspection Contractor Or Responsible Agent To Be Present	Clause-16	All works under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Engineer and Project Director or his subordinates, and the Contractor shall all times during the usual working hours, and at all other times at which reasonable notice of the intention of the Engineer and Project Director or his subordinate to visit the work shall have been given to the Contractor, either himself be present to receive orders and instructions, or have responsible agent duly accredited in writing present for that purpose. Orders given to the Contractor's duly authorized agent shall be

			considered to have the same force and effect as if they had been given to the Contractor himself.
28	Notice To Be Given Before Work Is Covered Up	Clause-17	The Contractor shall give not less than five days' notice in writing to the Engineer and Project Director or his subordinate-in-charge of the work before covering up or otherwise placing beyond the reach of check, inspection & measurement any work in order that the same may be verified, checked, inspected and measured, and correct dimensions thereof taken before the same is so covered up or planned beyond the reach of verification check, inspection & measurement, and shall not cover up or place beyond the reach of verification, check, inspection and measurement any work without the consent in writing of the Engineer and Project Director or his subordinate-Incharge of the work, and if any work shall be covered up or placed beyond the reach of verification, check, inspection & measurement any work without the consent in writing of the Project Director or his subordinates Incharge of the work, and if any work shall be covered up or placed beyond the reach of verification, check inspection & measurement without such notice having been given to consent obtained, the same shall be uncovered at the Contractor's expense, and in default thereof no payment or allowance shall be made for such work, or for the materials with which the same was executed.
29	Contractor Liable For Damage Done And For Imperfections For Three Months After Certificate	Clause-18	If the Contractor or his workmen, or servants shall break, deface, destroy any part of a building in which they may be working, or any building, road, fence, enclosure or overhead or underground service lines of water supply, sewerage, electricity, telephone, gas etc. or grass land or cultivated ground continuous to the premises on which the work or any part thereof is being executed, or if any damage shall be done to the work, while it is in progress from any cause whatever or if any part thereof in being executed, or if any damage shall be done to the work, while it is in progress from any cause whatever or if any imperfections become apparent in it within three months of the grant of a certificate of completion, final or otherwise, by the Project Director, the Contractor shall make good the same his own expense, or in default the Project Director may cause the same to be made good by other workmen, and deduct the expenses of (which the certificate of the Project Director shall be final) from any sums that may then be due or may thereafter become due to the Contractor, or from his security deposits or the proceeds of sale thereof, or of a sufficient portion thereof or any of his dues available against other works with the University or as arrears of land revenue in case

			no dues are available or the amount available falls short of the total recoveries.
30	Contractor to supply plant ladders. Scaffolding etc. And is liable for damages arising on provision of lights. Fencing etc.	Clause-19	<p>The Contractor shall supply at his own cost all materials, plant, tools, appliances, implement, ladders, cordage, tackle, scaffolding and temporary work requisite or proper for the execution of the work, whether in the original, altered or substituted form, and whether included in the specification, or other documents, forming part of the contract or referred to in these conditions or not, and which may be necessary for the purpose of satisfying or complying with the requirements of the Project Director as to any matters as to which under these conditions he is entitled to be satisfied or which he is entitled to require together with carriage therefore to and from the work. The Contractor shall also supply without charge the requisite number of persons with the means and materials necessary for the purpose of setting out works, and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work or the materials. Failing this the same may be provided by the Project Director at the expense of the Contractor and the expenses may be deducted from any money due to the Contractor under the contract, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The Contract or shall provide all necessary fencing and lights required to protect the public from accident, and shall also be bound to bear the expenses of defense of every suit, action or other legal proceedings, that may be brought by any person for injury sustained owing to neglect of the above; precautions, and to pay any damages and costs which may be awarded in any such, suit action or proceeding to any such person, or which may with the consent of the Contractor be paid for comprising any claim by any such person.</p>
31	Measure For Prevention Of Fire	Clause-20	<p>The Contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a written permit from the Project Director.</p> <p>When such permit is given, and also all cases when destroying cut or dug up trees, brushwood, grass etc., by fire; the Contractor shall take necessary measures to prevent such fire spreading to otherwise damaging surrounding property.</p> <p>The Contractor shall make his own arrangements at his cost and expense for providing drinking water and water for domestic use of his labour employed in connection with the execution of the works as also for the use of his labour</p>

			employed in connection with the execution of the works as also for use on the works itself.
32	Liability Of Contractor For Any Damage Done In Or Outside Work Area	Clause-21	<p>Compensation for all damage done intentionally or unintentionally by Contractor's labour whether in or beyond the limits of University property including any damage, caused by the spreading of fire mentioned in clause 22 shall be estimated by the Project Director or such other officer as he may appoint and the estimates of the Project Director shall be final and the Contractor shall be bound to pay the amount of the assessed compensation on demand failing which the same will be recovered from the Contractor as damages in the manner prescribed in clause 1 or deducted by the Project Director from any sums that may be due or become due from University of the Contractor under this contract or otherwise.</p> <p>The Contractor shall bear the expenses of defending any action or other legal proceedings that maybe brought by any person, party or authority for injury sustained "by him owing to neglect of precaution to prevent the spread of fire and he shall pay any damages and cost that may be awarded by the court in consequence.</p>
33	Employment Of Female Labour	Clause-22	The employment of female labour on works in the neighborhood of soldiers' barracks should be avoided as far as possible.
34	Work On Sunday	Clause-23	No work shall be done on a Sunday or a public holiday without the prior sanction in writing of the Project Director.
35	Work not be sublet. Contractor may be rescinded & security deposit forfeited for subletting it without approval"	Clause-24	<p>The Contractor shall not be assigned or sub-let without the written approval of the Project Director. And if the Contractor shall assign or sublet his contract, or attempt to do, or become insolvent or make any composition with his creditors or attempt to do, the Project Director may, by notice in writing rescind the contract.</p> <p>The Contractor shall keep full and true accounts in respect of the contract works in the regular course of business and shall whenever called upon by the Project Director by notice in writing, produce them for inspection by him or by any officer appointed by him in that behalf. Also if any bribe, gratuity, gifts, loan, reward or advantage pecuniary or otherwise, shall either directly or indirectly be given, promised or offered by the Contractor or any of his servants or agents to any public officer or person in the employment of University in any way relating to his office or employment or if any such officer or person shall become in any way directly or indirectly interested in the contract or if the Contractor does not keep account or fails to produce them as aforesaid, the Project Director</p>

			may give notice in writing rescind the contract. In the event of a Contract being rescinded the security deposit of the Contractor shall thereupon stand forfeited and be absolutely at the disposal of University and the same consequences shall ensure as if the contract had been rescind under clause 3 hereof and in addition the Contractor shall not be entitled to recover or be paid for any work therefore actually performed under the contract.
36	Sum Payable By Way Of Compensation To Be Considered As Reasonable Compensation Without Reference To Actual Loss	Clause-25	All sums payable by a Contractor by way of compensation under any of these conditions shall be considered as a reasonable compensation to be applied to the use of University without reference to the actual loss or damage sustained and whether any damage has or has not been sustained.
37	Changes In The Constitution Of Firm To Be Notified	Clause-26	In the cases of a tender by partners any change in the constitution of a firm shall be forthwith notified by the Contractor to the Project Director for his information.
38	Work To Be Under Direction Of Engineer, Consultant And Project Director (Works)	Clause-27	All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Engineer and Project Director for the time being, who shall be entitled to direct at what point or points and in what-manner they are to be commenced, and from time to time carried on.
39	Decision Of Project Director To Be Final	Clause-28	Except where otherwise specified in the contract and subject to The powers delegated to him by authority under the Code rules then in force, the decision of the Project Director shall be final, conclusive, and binding on all parties to the contract upon all questions relating to the meaning of the specifications, design, drawings, and instructions hereinbefore mentioned and as to the quality of workmanship, or materials used on the work, or as to any other question claim, right, matter or the thing whatsoever in any way arising out of, or relating to the contract, design, drawings, specifications, estimates, instructions, orders of these conditions, or otherwise considering the works, or the execution, or failure to execute the same, whether arising, during the progress or the work, or after the completion on abandonment thereof.
40	Lump Sum In Estimates	Clause-29	When the estimate on which a tender is based includes one or more items with lump sum rates or lump sum amount the Contractor shall be entitled to payment in respect of such items on the rates entered in this contract with the detailed specifications and the analysis of the rates on which the contract price is calculated. Where part of the work is done or the specifications are altered the Contractor will submit his own rate and payment shall be

			<p>controlled in the same way as if the item of work was done outside the current Government Schedule of Rates applicable in the case in accordance with the procedure laid down in Clause 14.</p> <p>Provided always that in case of the percent Rate tenders, no premium as quoted for the main tender as also that quoted in clause 14 (which will be the same premium as for the main tender) shall be payable for any items of work including the lump sum items or market rates which are outside the Current Government Schedule of Rates.</p>
41	Action Where No Specification	Clause-30	In the case of any class of work for which there is no such specification as is mentioned in Rule I such work shall be carried out in accordance with the Sind P.W.D. specifications and in the event of there being no Sind P.W.D. specification, then in such case the work shall be carried out in all respects in accordance with the instructions and requirements of the Project Director. The payment for such items of work shall be made in accordance with the procedure laid down in Clause 14 for items of work outside the Current Government Schedule of Rates.
42	Contractors Percentage Whether Applied To Net Or Gross Amount Of Bill	Clause-31	The percentage referred to in the tender shall be deducted from/added to the gross amount of the bill before deduction the value of any stock issued.
43	Refund Of Quarry Fees And Royalties	Clause-32	All quarry fees; royalist, octroi, dues, ground rents, local and Government taxes and Rates etc. relating directly or indirectly to the execution of the works under this contract shall be paid by the contractor as a final charge and no refund on this account shall be allowed by the University.
44	Compensation under the workmen's compensation act.	Clause-33	The Contractor shall be responsible for and shall pay any compensation Act, 1923 (VIII of 1923), (hereinafter called the said Act) as amended up to date for injuries caused to the workmen. If such compensation is paid by University as principal under sub-section (1) of section 12 of the said Act on behalf of the Contractor; it shall be recoverable by University from the Contractor under sub-section (2) of the said section such, compensation shall be recovered in the manner laid down in Clause above. The contractor shall also discharge all other liabilities in relation to the current Government or local legislation with respect. to the Labour Laws and other Fringe benefits like Health and Insurance cover. Old Age Benefits etc. for all his labour

			including the administrative and supervisory staff.
45	Claim For Quantities As Per Scope Of Work Shown On Drawings	Clause-34A	The quantities of different items of work shown in the schedule B attached to this tender, are only approximate The actual quantities of different items as done at Site will be controlled by the detailed drawings and the actual requirements at site of work. No claim whatsoever will be entertained on account of excess or reduction in the scope of work as shown on the drawings.
46	----- do-----	Clause-34B	Where due to the change of specification or scope or work or due to additions in size and quantum of the work the total cost of the work increases up to 30% at the cost as shown in the MEMORANDUM (Excluding those case there the total cost the increased due to any claim of the contractor or the escalation in the rates/cost subject to its sanction) the Contractor shall be bound to carry out the same at the same rates and under the same conditions as for the same at the same rates and under the same conditions as for the main tender. In case where the total cost is likely to increase beyond 30% of the amount shown in the MEMORANDUM it will be optional for the Contractor to decline to take up the additional work provided always that no work shall be left in incomplete or in unfinished shape irrespective of the total Cost of the work. Where, however, the Contractor agrees to take up the additional work, there shall be no financial limit to it and that the entire work shall be done at the same rates and under the same terms and conditions as the main tender.
47	Employment Of Feminine Labour	Clause-35	The Contractor shall employ any feminine; convict or other labour of a particular kind of class if ordered in writing to do so by the Project Director.
48	Claim For Compensation For Delay In The Execution Of Work	Clause-36	No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land or, in the case of clearance works on account of any delay in accordance with the sanction to estimates.
49		Clause-37	No compensation shall be allowed for any delay in the execution of the work on account of water standing in borrow pits or compartments or on the land or the approach road etc. The rates are inclusive of hard or cracked soil, excavation mud, subsoil water or water standing in borrow pits and no claim for an extra rate shall be entertained, unless otherwise expressly specified.

50	Entering Upon Or Commencing Any Portion Of Work	Clasue-38	The Contractor shall not enter upon or commence any portion of work except with the written authority and instructions of the Project Director or of his subordinate- Incharge of the work. Failing such authority the contractor shall have not claim to ask for measurements of or payment for work.
51	Minimum age of persons employed. The employment of donkeys or other animals	Clasue-39	<p>(i) No contractor shall employ any person who is under the .age of 12 years.</p> <p>(ii) No contractor shall employ donkeys or other animals with breeching of string or thin rope. The breeching must be at least thread should be of tape (Nawar).</p> <p>(iii) No animal suffering from sores, lameness or emaciation or which is immature shall be employed or the work.</p> <p>(iv) The Contractor shall not employ any labour who has any contagious disease or is a habitual narcotic user or is as sick and unfit for manual labour as to create a hazard for his health or life.</p> <p>(v) The Project Director or his subordinate is authorized to remove from the work any person or animal found working which does not satisfy these conditions and no responsibility shall be accepted by the University for any delay caused in the completion of the work by such removal.</p> <p>Any Contractor who does not accept these conditions shall not be allowed to tender for works and his name shall be removed from the list of Contractors.</p>
52	Pakistan Timber to Be Used	Clause-40	As for as possible Pakistan Timbers shall be used and where for any reason this is not practicable preference shall be given to imported timber of approved origin and quality.
53	Certificate For Concessionary Freight Of Charges From The Railway	Clause-41	If any materials are required to be conveyed by rail, the Contractors will be granted certificates by the Project Director to the effect that the materials are required for University works thereby enabling them to have the benefit as allowed under the rules from the railway. In case, however, such a concession is withdrawn by the railway at any time', no claim shall be made against University on this account.
54	Recovery Of Dues From Contractor As Arrears Of As Land Revenue	Clause-42	Any sum due to the University by the Contractor shall be liable for recovery as arrears of Land Revenue.

55	Partnership Of M.L.As Is Forbidden	Clause-43	The Contractor shall certify that no member of Legislative Assembly is in partnership with him and that University will have the right to terminate the contract at any stage if it is discovered that a member of Legislative Assembly or Parliament is a partner in the Contract.
56	Payment Of Taxes	Clasue-44	The contractor firmly holds himself responsible to get himself registered under Income Tax and Sales Tax Rules and to pay these and all other Government and local taxes due to him from time to time in accordance with the Government instructions.
57	Interest Or Share Of University Servant In The Work	Clause-45	The Contractor shall certify that no University Servant, Government servants or a servant of a Corporate Body directly controlled by the Government has directly or indirectly any share or interest in this work.
58		Clause-46	The Contractor will not be allowed to withdraw his tender and ask For the return of earnest money before expiry of the period of three months, commencing from the date of opening of the tender and that if it is withdrawn in violation of this condition earnest money shall be forfeited.
59		Clause-47	Notwithstanding anything contained in any clause of this contract and further notwithstanding the fact that the final completion Certificate has been awarded to the Contractor and his 50% Security deposit refunded, the liability of the Contractor for the purpose of" Defect Liability" shall extend for the period of 12 months from the date of issue of the completion Certificate for removal including replacement of any defect found in the works due to construction or any other cause directly attributed to and a result of defective work or negligence in carrying out the work. The remaining 50% security deposit will be refunded after 12 months after removal of defects, if any.
60		Clause-48	The Contractor shall employ at his cost at the site of work for effective planning, supervision and control of the work, adequate, full time Project Director Engineering staff and trained and experience licensed electricians and mechanics of respective trade in addition to the usual team of following scales: Work costing up to Rs. 15.0 lacs : A Diploma holder. Work costing over Rs. 15.0 Lacs :

			<p>A Professional Engineer Registered with Pakistan Engineering Council.</p> <p>Such persons work on the job shall be deemed to the authorized agents at site of the Contractor and shall receive all orders & instructions of the Project Director, Engineer and Consultants or their authorized representatives and shall also be responsible to maintain a work-order book and other registers at Site and shall forth with take actions to carry out the orders and instructions.</p>
61		Clause-49	<p>If any question, difference or objection whatsoever shall arise in any way contracted with or arising out of this instrument or the meaning or objections of any part thereof, the rights, duties or liabilities of either party, then save in so far as the decision of any such matter is hereinbefore provide for as has been so decided, every such matter including whether its decisions has been otherwise provided for and or regards the right of and obligations of the parties as the result of such termination shall be referred for arbitration to such person or a board with the mutual consent of the Project Director and the Contractor and his decision shall be final and binding and where the matter involves a claim for or the payment recovery or deduction of money, only the amount, if any awarded in such arbitration shall be payable or recoverable in respect of the matter so referred.</p>
62	Force Majeure	Clause-50	<p>The parties shall not be considered to be at default in the execution of their contractual obligations or any of them to the extent that the execution of such obligations or any of them is delayed or omitted by cause of force Majeure. Each part will advise the other party by written notice within 30 days of the occurrence of any such case force Majeure employed therein shall mean acts of the Public enemy wars (whether declared or not) hostilities, revolutions, civil disturbances, epidemics, fires, floods, earth quakes, weather causes of similarly nature which render the performance of this agreement unfeasible and in spite of the exercise is unable to overcome.</p>
63	Mobilization Advance	Clause-51	<p>Mobilization Advance up to 10 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor on the on following conditions:</p> <p>(i) on 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 to the Procuring Agency;</p>

			<p>(ii) Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance; and</p> <p>(iii) This Advance including the interest shall be recovered in 5 equal installments from the five (05) R.A bills and in case the number of bills is less than five (05) then 1/5th of the advance inclusive of the interest thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.</p>
64	Electricity & Water charges		Firm will arrange water & electricity on its own expenses.

CLAUSE - 52

Environmental Health & Safety/ Construction Safety

Construction and renovation activities that could be classified as construction include building renovations, excavation and trenching operations, painting, masonry, and certain activities associated with building systems such as HVAC, plumbing, and electrical supply.

Construction work can be particularly hazardous. The use of personal protective equipment, fall protection, fire safety, electrical safety, and other precautions are essential for safe construction work.

The following rules apply to construction sites:

- Heed all warning signs that have been posted.
- Do not walk, stand, or work under suspended loads. If you raise the load, be sure to crib, block, or otherwise secure the load as soon as possible.
- Avoid placing unusual strain on equipment or materials.
- Be prepared for unexpected hazards. **BE ALERT!**
- Fatigue is a serious risk on the job. If you are tired, slow down, get help, or switch to a task that doesn't require as much precision. Never let too little sleep jeopardize your safety.
- If you are not sure what to do or how to do it, ask. Never go ahead on a job unless you know what you are doing, what the risks are, and how to protect yourself.
- Think of safety as one of your most important job responsibilities. Before starting each job, plan it out. Think about tools, materials, and protective equipment you will need and the procedures you will follow.
- Keep your work area clear of potential hazards such as items that you could trip over or bump into, materials that could catch fire, or chemicals that could spill.
- Never ignore a safety hazard. Either fix it or report it.
- Report all incidents and near misses to your supervisor and the Office of Safety.
- Know what to do in an emergency. There isn't time to review procedures when an emergency situation occurs. If you are unsure, ask your supervisor before you begin the job.

CLAUSE - 53

The cost difference in the prices specified in the schedule of rates for following items shall be paid separately and as per actual consumption / quantities executed and in accordance with Notifications issued by Standing Rates Committee, Government of Sindh from time to time.

Item	Rate provided in Schedule of Rates	Unit	Rate Allowed w.e.f 01-07-2011	Cost Difference payable/ recoverable w.e.f.	Remarks
M.S. Bars (Tor)					
Cement (OPC)					
Bricks 9"x4 ½"x3" (First Class)					
Deodar Wood (First Quality)					
Partial Wood					

Bitumen					
Any other item if notified by Standing Rates Committee, Government of Sindh					

Any change in the above price by Standing Rates Committee Government of Sindh during the currency of contract, the difference will be payable to or, as the case may be recoverable from the contractor. The effect of the revision of the prices will be confined to the quantity of the items which is actually consumed after the date of such revision.

Not Applicable (N/A)

CLAUSE - 54

The electric and water connection will be provided at one point respectively near the site of work. The Contractor will be responsible for further distribution where ever required including making complete arrangements for shortage of water. The cost of electric energy consumed as per prevailing tariff including service charges of WAPDA will be paid by the contractor. The cost of water consumed in the work will be recovered from the bills of the contractor at 2% (two percent) of the cost of these items of works on which water is used.

CONTRACTOR.

ENGINEER.

Witness.

Witness

1. _____

1. _____

2. _____

2. _____

Project Director

Certified that the Tender/Agreement has been prepared/executed under our supervision and we are satisfied that it has been correctly prepared/executed.

FOREIGN CURRENCY REQUIREMENTS

1. The bidder may indicate herein below his requirements of foreign currency (if any), with reference to various inputs to the works.
2. Foreign Currency Requirement as percentage of the bid price excluding Provisional Sums _____%.
3. Table of Exchange Rates

Unit of Currency	Equivalent in Pak. Rupees
Australian Dollar	-----
Euro	-----
Japanese Yen	-----
U.K. Pound	-----
U.S. Dollars	-----
-----	-----
-----	-----

Not Applicable

**PRICE ADJUSTMENT UNDER CLAUSE 70/13.8
OF CONDITIONS OF CONTRACT**

A. Weight ages or coefficients are used for price adjustment.

The source of indices and the weight ages or coefficients for use in the adjustment formula under Clause 13.8 shall be as follows:

(To be filled by the procuring agency)

Cost Element	Description	Weight ages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.350	
(ii)	Local Labor		Government of Pakistan (GoP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags		“ “ “
(iv)	Reinforcing Steel		“ “ “
(v)	High Speed Diesel (HSD)		“ “ “
(vi)	Bricks		“ “ “
(vii)	Bitumen		
(viii)			
	Total	1.000	

Not Applicable.

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 15 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.
- 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 project, procuring agency to determine the weight age of Fixed Portion considering only those cost elements having cost impact of seven (7) percent or more on his specific project.

B When Escalation is allowed on the materials only.
 Price adjustment on following items shall be allowed:

Cost Element	Description	Weight ages	Applicable index
1	2	3	4
(i)	Cement – in bags		Government of Pakistan (GoP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin. “ “
(ii)	Reinforcing Steel		“ “ “
(iii)	Bricks		“ “ “
(iv)	Bitumen		“ “ “
(v)	Wood (Composite item)		“ “ “
	Total five items		

Not Applicable

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 (in case of item not mentioned in Bill of Quantities).
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, labour, 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 14 days prior to deadline for submission of Bids in case of ICB/NCB respectively, shall be included in the rates and prices and the total bid price submitted by the bidder.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities and shall not be paid separately.
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. General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the bidding documents shall be made before entering prices against each item in the priced Bill of Quantities.
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 13.5 of Part I, General Conditions of Contract.

Not Applicable

BILL OF QUANTITIES**C. Day work Schedule****General**

1. Reference is made to Sub-Clause 13.6 of the General Conditions of Contract. Work shall not be executed on a day work basis except by written order of the Engineer. Bidders shall enter basic rates for day work items in the Schedules, which rates shall apply to any quantity of day work ordered by the Engineer. Nominal quantities have been indicated against each item of day work, and the extended total for day work shall be carried forward to the bid price.

Day work Labour

2. In calculating payments due to the contractor for the execution of day work, the actual time of classes of labour directly doing the day work 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 day work, calculated at the basic rates entered by him in the Schedule of day work 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 staging"s, 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.

Not Applicable

SCHEDULE OF DAYWORK RATES

I. Labour

Item No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words	Extended Amount (Rs.)
1	2	3	4	5	6	7
D101	Ganger	Hr	500			
D102	Laborer	Hr	5,000			
D103	Brick layer	Hr	500			
D104	Mason	Hr	500			
D105	Carpenter	Hr	500			
D106	Steel work Erector	Hr	500			
	-----etc-----	Hr	500			
D113	Driver for vehicle up to 10 tons	Hr	1,000			
D114	Operator for excavator, dragline, shovel or crane	Hr	500			
D115	Operator for tractor, (tracked) with dozer blade or ripper	Hr	500			
D122	Sub-Total					
	Allow _____ percent of subtotal for Contractor's overhead, profit, etc, in accordance with Paragraph 3(b) of Day work Schedule _____					
	Total for Day work: Labour : _____					
	(Carried forward to Day work Summary)					

(Not Applicable)

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Appendix-D to Bid

Day work Material

4. The contractor shall be entitled to payment in respect of materials used for day work (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 Day work 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 Day work 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.

(Not Applicable)

SCHEDULE OF DAYWORK RATES

II. Materials

Item No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words	Extended Amount (Rs.)
1	2	3	4	5	6	7
D201	Cement, ordinary Portland or equivalent in bags	M: Ton	200			
D202	Mild Steel reinforcing bar up to 16mm diameter to BS 4449 or equivalent	M: Ton	100			
D203	Fine aggregate for concrete as specified in Clause _____	Cu: M	1,000			
D204	-----etc-----					
D222	Gelignite (Noble Special Gelatine 60 % or equivalent) including caps, fuse, wire and requisite accessories	M: Ton	10			
D223	Sub-Total					
	Allow _____ percent of subtotal for Contractor's overhead, profit, etc., in accordance with Paragraph 4(b) of Day work Schedule _____					
	Total for Day work: Materials _____					
	(Carried forward to Day work Summary)					

(Not Applicable)

Day Work Constructional Plant

5. The contractor shall be entitled to payments in respect of constructional plant already on site and employed on Day work at the basic rental rates entered by him in the Schedule of Day work 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 Day work Labour.
6. In calculating the payment due to the Contractor for constructional plant employed on Day work, 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 Day work and the time for return journey thereto shall be included for payment.
7. The basic rental rates for constructional plant employed on Day work shall be stated in Pakistani Rupees.

(Not Applicable)

SCHEDULE OF DAYWORK RATES**III. Constructional Plant**

Item No.	Description	Unit	Nominal Quantity	Rate (Rs.) in Figure	Rate Rs.) in Words	Extended Amount (Rs.)
1	2	3	4	5	6	7
D301	Excavator ,face shovel or dragline: 1. Up-to and including 1 Cu.M. 2. Over 1 Cu.M to 2 Cu. M. 3. Over 2 Cu. M	Hr Hr Hr	500 400 100			
D302	Tractor (tracked) including bull or angle dozer: 1. Up-to and including 150 HP 2. Over 150 to 200 HP 3. Over 200 to 250 HP	Hr Hr Hr	500 400 200			
D303	Tractor with ripper: 1. Up-to and including 200 HP 2. Over 200 to 250 HP		400 200			
D304	-----etc-----					
	Total for day work: Constructional Plant _____ (Carried forward to day work summary)					

(Not Applicable)

DAYWORK**Summary (Day work)**

		Amount (Rs.)
(I)	Total for day work: Labour	_____
(II)	Total for day work: Materials	_____
(III)	Total for day work: Constructional Plant	_____
Total for day work		_____
(Carried forward to summary page of Bill of Quantities)		

(Not Applicable)

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 programme for completion of the whole of the works and parts of the works may meet procuring agency’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):

<u>Description</u>	<u>Time for Completion</u>
1) Whole works	_____ days
2) Part-A	_____ days
3) Part-B	_____ days
4) _____	_____ days
5) _____	_____ days

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.

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.]

LIST OF MAJOR EQUIPMENT (SAMPLE)

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						

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor in accordance with Clause 6 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.).

LIST OF SUBCONTRACTORS

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

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 (Give Details)	Subcontractor (With Complete Address)
1	2

(Not Applicable)

ESTIMATED PROGRESS PAYMENTS (SAMPLE)

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

Quarter/ Year/ Period	Amounts (in thousands)
1	2
Ist Quarter	
2 nd Quarter	
3 rd Quarter	
4 th Quarter	
5 th Quarter	
6 th Quarter	
7 th Quarter	
8 th Quarter	
9 th Quarter	
Bid Price	

**ORGANIZATION CHART
FOR THE
SUPERVISORY STAFF AND LABOUR**

(To be filled in by the bidder)

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: _____

..... [name of Contractor] 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 Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] 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, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability 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 PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] 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 PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder’s fee or kickback given by [name of Contractor] 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 PA.

.....
[Project Director (Works)

[Contractor]

FORMS

**BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE
INDENTURE BOND FOR SECURED ADVANCE**

BID SECURITY (Bank Guarantee)

Security Executed on _____
(Date)

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

Name of Principal (Bidder) with Address _____

Penal Sum of Security Rupees. _____ (Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto

_____ (hereinafter called the 'Procuring Agency') 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 Agency; and

WHEREAS, the Procuring Agency 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 agency, 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 agency, 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 agency 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 agency pursuant to Clause 15.6 of the Instruction to bidders for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said procuring agency 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 agency 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.

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

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

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

SURETY (Bank):

WITNESS:

1. _____

Corporate Secretary (Seal)

Signature _____

Name _____

Title _____

Corporate Guarantor (Seal)

2. _____

Name, Title & Address

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____

Executed on _____

Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

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 agency) 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 agency, 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 agency'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 agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

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

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the procuring agency without delay upon the procuring agency's first written demand without

cavil or arguments and without requiring the procuring agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the procuring agency'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 Agency's designated Bank & Account Number.

PROVIDED ALSO THAT the procuring agency 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 agency 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 _____

2. _____

Title _____

Name, Title & Address

Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

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

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

NOW this Agreement witnesseth- as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, 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 Special 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 agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the procuring agency to execute and complete the works and remedy defects therein in conformity and in all respects with the provisions of the contract.
4. Procuring agency 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.

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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
Agency

(Seal)

Signature of Procuring

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)

MOBILIZATION ADVANCE GUARANTEE

Bank Guarantee No. _____ Date _____

WHEREAS _____ (hereinafter called the 'Procuring Agency') has entered into a Contract for _____

(Particulars of Contract)

with _____ (hereinafter called the "Contractor").

AND WHEREAS, the Procuring Agency 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 Agency 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)

(Hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the **procuring agency** 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 agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the procuring agency shall be the sole and final judge, on the part of the Contractor, shall be given by the procuring agency to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

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

(Date)

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

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

GUARANTOR

1. Signature _____

2. Name _____

3. Title _____

WITNESS

1. _____

Corporate Secretary (Seal)

2. _____
(Name Title & Address)

Corporate Guarantor (Seal)

INDENTURE FOR SECURED ADVANCES.

(For use in cases in which is contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time).

This INDENTURE made the day of
..... 20..... BETWEEN (hereinafter called "the Contractor" which expression shall where the context so admits or implied be deemed to include his heirs, executors, administrators and assigns) of the one part and THE GOVERNOR OF SINDH (hereinafter called "the Government" of the other part).

WHEREAS by an agreement, dated (hereinafter called the said agreement, the contractor has agreed to perform the under-mentioned works (hereinafter referred to as the said work):-
(Here enter (the description of the works).¹

AND WHEREAS the contractor has applied to the
.....for an advance to him of Rupees
(Rs.) on the security of materials absolutely belonging to him and brought by him to the site of the said works the subject of the said agreement for use in the construction of such of the said works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charge) AND WHEREAS the Government has agreed to advance to the Contractor the sum of Rupees, (Rs.) on the security of materials the quantities and other particulars of which are detailed in Part II of Running Account Bill (B). The said works signed by the contractor

Fin R.Form.17.A

On and on such covenants and conditions as are hereinafter contained and the Government has reserved to itself the option of marking any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

NOW THIS INDENTURE WTTNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees.....(Rs.) on or before the execution of these presents paid to the Contractor by the Government (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid (all of which advances are hereinafter collectively referred to as the said amount) the Contractor doth hereby assign unto the Government the said materials by way of security for the said amount.

And doth hereby covenant and agree with the Government and declare ay follow:-

(1) That the said sum of Rupees. RS.
.....) so advanced by the Government to the Contractor as aforesaid and all or any further sum or sums which may be advanced as aforesaid shall be employed by the contractor in or towards expending the execution of the said works and for no other purpose whatsoever.

(2) That the materials detailed in the said Running Account Bill (B) which have been offered to and accepted by (he Government as security for the said amount are

absolutely by the Contractors own property free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the contractor hereby agrees, at all times, to indemnify and save harmless the Government against

all claims whatsoever to any materials in respect of which an advance has been made to him as aforesaid.

(3) That the said materials detailed in the said Running Account Bill (B) and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in *the* execution of the said works in accordance with the directions of the Divisional Officer (hereinafter called the Divisional Officer) and in the terms of the said agreement.

(4) That the Contractor shall make at his own cost all necessary and adequate arrangement for the proper watch, safe custody and protection against all risks of the said material and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and at his own risk and on his own responsibility and shall at all times be open to inspection by (he Divisional Officer or any officer authorized by him. In the event of the said materials of any part (hereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof Contractor will forthwith replace the same with other materials of like qualify or repair and make good the same as required by the Divisional Officer and the materials so brought to replace the said materials so repaired and made good shall also be considered as security for the said amount.

(5) 'Hurt the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorized by him in that behalf

(6) That the said amount shall be payable in full when or before the Contractor receives payment, from the Government of the price payable to him for the said works under the terms and provisions of the said agreement PROVIDED THAT if any intermediate payments are made to the contractor on account of work done then on the occasion of each such payment the Government will be at liberty to make a recovery from the Contractors Bill for such payment by deducting there from in the value of the said materials (hen actually used in the construction and in respect of which recovery has not been made previously the value for this purpose being determined in respect of each description of material at (he rates at which the amount of the advances made under these presents were calculated.

(7) at if the Contractor shall at any time make any default in the performance or observation in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Government shall immediately on the happening of such default be repayable by the Contractor to the Government together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees (Rs.) and any further sum or sums which may be advanced as aforesaid and all costs charges damages and expenses payable under these present PROVIDED ALWAYS and it is hereby agreed and declared that not, withstanding anything in the

said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid to accordingly.

Once there with the Government may at any time thereafter adopt all or any of following courses as it may deem best :-

- (a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.
 - (b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.
 - (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.
- (9) That except as is expressly provided by the presents interest on the said advance shall not be payable.
- (10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer/Executive District Officer/Officer one grade higher to officer signed the agreement Circle whose..... decision shall be final and the provisions of the Arbitration Act 1940 for the time being in force so far as they are applicable shall apply to any such reference.

Signed, sealed and delivered by*
In the presence of

1st witness

2nd witness

SEAL

Signed, sealed and delivered by*
In the presence of

1st witness

2nd witness

SEAL

SHAHEED MOHTARMA BENAZIR BHUTTO

MEDICAL UNIVERSITY, LARKANO

SUMMARY SHEET

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of “Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana”.		
S.#	Description	Quoted Cost in Rs.
External Development Work		
1.	Tuff Paver And Parking Area (CSR 2024)	Rs.
2.	Tuff Paver And Parking Area (Non-Schedule Items)	Rs.
3.	Landscaping/Horticulture (CSR 2024)	Rs.
4.	Landscaping/Horticulture (Non Schedule Items)	Rs.
5.	Sewerage System (CSR 2024)	Rs.
6.	External Electrification And Street Lights (CSR 2024)	Rs.
7.	External Electrification And Street Lights (Non Schedule Items)	Rs.
8.	Electric Substation (Civil Works) (Csr 2024)	Rs.
9.	1% Contingencies	Rs.
10.	Add SST/SRB	Rs.
	Total Amount in Rs:	
	Total Amount in million	

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of “Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana”.

TUFF PAVER AND PARKING AREA

Composite Schedule of Rates CSR 2024 Govt. of Sindh

S.#	Page#	Description	Unit	Qty	Rate	Amount
1	Ch-18 - 4/a	Jungle clearance and removing within 100 ft. (30 m).	%Sft.	60000.0	396.07	237,642
1	Highway work Finished items/2/1 1C	Providing and laying sub-base course of stone product ditto of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate. (ii) Crushed stone aggregate.	%Cft	68221.89	14560.62	9,933,530
2	Ch-05-29	Supplying and filling sand under floor; or plugging in wells.	Cft	12729.45	57.52	732,198
3	Ch-4/5(f)	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):(f) Ratio 1: 2: 4	Cft	8401.4	443.54	3,726,375
4	Ch-8-69	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope Complete in all respect. (50% Grey / 50% Coloured) c) 80-mm thick	P.Sft	60000.00	242.26	14,535,600
5	Highway work Misc/14	Providing & fixing precast Edge Kerb Stone (4" to 6" thick) and 14" high of Compressive Strength of 3500 PSI laid in cement sand mortar (1:3) over pre-laid brick masonry for drain cum footpath etc complete in all respect. (ii) With painting	P.Rft	3000.00	678.38	2,035,140
Sub. Total of Schedule Items						31,200,485
Premium Quoted by Contractor.....Above%.....Below%						
Total Amount Rs. Schedule Items						

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of “Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana”.

Non Schedule Items: Tuff Paver and Parking Area

S.#	NSI	Description	Unit	Qty	Rate	Amount
1	NSI	Providing and Fixing Marble Pre-Cast Fountain complete in all respect including water supply with pump, paint, fixing etc complete in all respect as approval by the Engineer Incharge.	P.Job	4.00		
2	NSI	Providing and fixing of precast concrete sitting benches for gardens including fitting, carriage and labour etc complete in all respect and as approved and directed by the Engineer Incharge.	Each	18.00		
3	NSI	Carriage of 100 Cft (2.83cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 cft. (4.25 (cu.m) of timber, by truck or by any other means onwed by the contractor (195 KM)	%Cft	68221.89		
4	NSI	Making and fixing fiber glasss sun shade standard size 3mm sheet (02layer) molded in panel in/c M.S Pipe 6" dia 10' height at 20' center fixing C.C foundation with M.S Square pipe1-1/2"x1-1/2" double kanchi around from with internal M.S Square pipe 2x2 center to center in/c welding assembling etc complete in all respect.	P.Sft	8381.00		
Total of Non Schedule ITEMS						

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana".

LANDSCAPING / HORTICULTURE

Composite Schedule of Rates CSR 2024 Govt of Sindh

S.#	Item No.	Description	Unit	QTY	RATE (RS)	AMOUNT (RS)
1	Ch-01/30	Ploughing and levelling borrowpits i) upto 3 ft. (0.9 m) depth	P.Acre	1.388	6,499.42	9,023
2	Ch-18/42	Leveling, dressing and making lawns	Per Sft	20,602.42	9.51	195,929
Sub Total Amount						204,952.19
Premium Quoted by Contractor Above%.....Below%.....						
Total Amount Schedule Items						

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana".

TREES & PLANTS

Landscaping Work Non Schedule Items

S.#	Items	Unit	Qty	Rate	Amount
1	Supply planters of Rose Flowers or equivalent Plants 12" height as per direction of engineer incharge.	P.No.	150.00		
2	Supply and planting of live trees (Amaltas or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
3	Supply and planting of live trees (jaman or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
4	Supply and planting of live trees (Bottlebrush or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
5	Supply and planting of live trees (Taboobia or equivalent) 7' height as per direction of engineer incharge.	P.No.	15.00		
6	Supply and planting of live trees (Gul-Mohar or equivalent) 5 height as per direction of engineer incharge.	P.No.	15.00		
7	Supply and planting of live trees (Iagistonia or equivalent) 4' height as per direction of engineer incharge.	P.No.	15.00		
8	Supply and planting of live trees (Chicku or equivalent) 4' height as per direction of engineer incharge.	P.No.	15.00		
9	Supply and planting of live trees (Jacaranda or equivalent) 3' height as per direction of engineer incharge.	P.No.	15.00		
10	Supply and planting of live trees (Kachnar or equivalent) 6' height as per direction of engineer incharge.	P.No.	15.00		

11	Supply and planting of live trees (Sumbal or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
12	Supply and planting of live trees (Toot or equivalent) 8' height as per direction of engineer incharge.	P.No.	15.00		
13	Supply and planting of live trees (Lesooni or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
14	Supply and planting of live trees (Arjun tree equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
15	Supply and planting of live trees (Dhreak or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
16	Supply and planting of live trees (Shisham or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
17	Supply and planting of live trees (Neem or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
18	Supply and planting of live trees (Pilkhan or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
19	Supply and planting of live trees (Ficus or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
20	Supply and planting of live trees (Peepal or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
21	Supply and planting of live trees (Cassia gulaca or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
22	Supply and planting of live trees (Date palm or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
23	Supply and planting of live trees (Chinies Badam or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
24	Supply and planting of live trees (Terminelia or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		

25	Supply and planting of live trees (Guava or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
26	Supply and planting of live trees (Mango or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
27	Supply and planting of live trees (Cycus Palm or equivalent) 4' height as per direction of engineer incharge.	P.No.	15.00		
28	Supply and planting of live trees (Phoenix Palm or equivalent) 4' height as per direction of engineer incharge.	P.No.	15.00		
29	Supply and planting of live trees (Bougainvillea or equivalent) 5' height as per direction of engineer incharge.	P.No.	15.00		
30	Supply and planting of live trees (Golden duranta (Hedge) or equivalent) 12" height as per direction of engineer incharge.	P.No.	15.00		
31	Ploughing American Grass or Equivalent with manure as per approved gradient in/c watering,manuring and maintaining for 45 days complete.(exculding the cost of sweet earth).	P.Sft	20602.42		
32	Supply and filling of sweet soil for plantation and lanscaping complete in all respect.	P.Cft	10301.21		
Total Amount Non Schedule Items					

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana".

SEWERAGE SYSTEM

S.#	Item Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
1	Dismantling and removing of road metalling.	P.Cft	3600.00	26.93	96,948
2	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).				
	i) 0 m to 2.10 m depth	1000 Cft	50,290.19	23,904.00	1,202,137
	ii) 2.15 m to 4.5 m depth	1000 Cft	6587.65	35,136.00	231,464
	iii) Above 4.5 m depth	1000 Cft	2,500.00	35,136.00	87,840
3	Dry rammed brick or stone ballast, 1½" to 2" gauge.	P.Cft	6,036.96	104.97	633,700
4	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
	(d) 225 mm (9") dia	Rft	206.64	385.87	79,736
	(e) 300mm (12") dia	Rft	1,603.92	640.83	1,027,840
	(f) 375 mm (15") dia	Rft	190.24	813.28	154,718
	(g) 450 mm (18") dia	Rft	170.56	936.78	159,777
5	Rehandling of earth work. (a) Lead upto a single throw of Kassi, Phawrah or a Shovel.	P.Cft	15,512.14	3.33	51,655
6	Earth work compaction (Soft, ordinary or hard soil).				
	(a) Laying earth in 6" layers levelling and dressing complete.	P.Cft	15512.14	1.27	19,700
7	Compaction of earthwork (soft, ordinary or hard soil) (preparation of bed) :-				

	c) Ramming earthwork (all types of soil).	P.Cft	4,981.32	1.74	8,668
8	Supplying and filling sand under floor and plugging in walls.	P.Cft	64,108.75	57.52	3,687,535
9	Extra for every 50 ft. additional lead or part thereof lead will be paid as per actual but not more than 15 Km.	P.Cft	4,500.00	78.72	354,240
	MANHOLES				
10	Dismantling and removing of road metalling.	P.Cft	156.00	26.93	4,201
11	Constructing manhole for the required dia of circular sewer and 7'- 9" depth with walls of B.B in cement mortar 1:3 cement plastered 1:3, 1/2" thick, inside of walls and 1" (25 mm) thick over benching and channel i/c fixing C.I manhole cover with frame of clear opening 2' x 2' (610x610 mm) of 4.5 cwt. embaded in plain C.C 1:2:4 and two way rainforced 6" thickness i/c fixing 1" (25 mm) dia M.S steps 6" (150 mm) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C/C duly painted etc, complete as per standard specification and drawing. 24" to 4'-6" x 4'x6"x7'-9"	Each	25.00	172,725.24	4,318,131
12	Rehandling of earth work. (a) Lead upto a single throw of Kassi, Phawrah or a Shovel.	P.Cft	18820.64	3.33	62,673
13	Earth work compaction by Sheep Foot Roller and Power Roller with optimum moisture content.				
	(a) For 95-100% modified AASHO density.	%0Cft	18812.44	10,487.51	197,296
14	Compaction of earthwork (soft, ordinary or hard soil) (preparation of bed) :-				
	c) Ramming earthwork (all types of soil).	P.Cft	2,578.70	1.74	4,487
15	R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects (I) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (Ground Floor)				
	(3) Type C (nominal mix 1: 2: 4)	Cft	225.18	717.59	161,590
16	Fabrication of deformed steel reinforcement for cement concrete including cutting,bending, laying in position, making joints and fastenings including cost of binding wire (also includes removeal of rust from bars) Deformed bars (Grade 40)	P.Cwt	12.55	18,694.79	234,658
Sub Total of Sewerage Line & Manhole					12,778,993
Premium Quoted by Contractor Above%.....Below%.....					
Total Amount					

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana".

EXTERNAL ELECTRIFICATION AND STREET LIGHTS

Composite Schedule of Rates CSR 2024 Govt of Sindh

Sr. No.	Item No.	Description	Unit	Qty	Unit Rate (Rs.)	Total Amount (Rs.)
1		Street Light				
	ELECT-M-113	Providing & fixing of MS hexagonal pole as per following specification to be fixed on per-cast foundation with the help of hydraulic crane & manual labour 40 ft long with dia of pole at the top 4" & bottom 12" wall thickness 6mm Base plate 24"x 24" x 1" Stiffener 12" x 6" x ½" 8 nos Hole 6 no's Making window in the pole required size with LN key provision Two coats red oxide (2coat) as rust preventive Two coats oil paint (2 ocat) as per site requirement & instruction of EI.	Per Pole	21.0	259693.97	5,453,573
2		Foundation				
	ELECT-M-118	Construction of RCC foundation as per following specification & instruction of EI for 40 ft/50 ft long hexagonal pole 18" x 6" Excavation of soft/hard soil 3'x3'x5.5' Stone soiling 3'x3'x6" making lean in the ratio of 1:4:8: Length of MS bolts 6½" (¾" dia) 4 nos's making thread on MS rod Template 16"x16"x¼" Rings ¼" dia round bar to be welded with MS rod RCC foundation ratio 1:2:4: with appropriate size 2.5'x2.5'x8.5'	Per No.	21.0	52274.57	1,097,766
3		Street Light				
	ELECT-M-134	Providing & fixing street lights 125 watts (HPMV) having IP54 classification with 125w lamp, choke, capacitor & internal wiring complete in all respect at the height up 31 ft as per site requirement and instruction of EI. Make of the above light is as follow	Per No.	21.0	16082.23	337,727
4		Junction Box				
	ELECT-M-132	Providing & fixing junction box as per following specification Size of box 10" x 8" x 5" MS plate size 16 SWG thick Clamp with nuts & bolts Cover plate with screw Painting two coats of rust preventive red oxide & two coats of ICI oil paint as per site requirement & instruction of EI	Per No.	21.0	4810.62	101,023
5		Wiring for Junction box and to light				
	ELECT-J-49	Providing & laying (MAIN or SUB MAIN) PVC insulated	Per.Rft	2297	326.59	750,177

		three core copper conductor 300/500 volts size 2.5mm ²				
6		<u>WIRING IN CONCEALED CONDUITS</u>				
1		<u>Distribution board to Switch</u>				
		Wiring of light circuit from Distribution Board to switch,with Three nos. single core 2.5 Sqmm PVC insulated 250/440 volts grade stranded copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc.OR approved by Incharge/Engineer. (CK = 36) Make Pakistan Cables, Newage CableOR EQUIVALENT				
I	ELECT-D-24	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾" Dia PVC conduit recessed in the wall or column as required.	Per.Rft	80	684.64	54,771
5		<u>Switch to light point & point to point wiring</u>				
		Wiring from switch to light or fan point with 3 nos. single core 1.5 Sqmm PVC insulated 250/440 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories,etc.(conduit partly shared).OR approved by Incharge/Engineer. (CK = 153) Make Pakistan Cables, Newage Cable .or equivalent .				
I	ELECT-N-102	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (¾") PVC conduit recessed in the wall or column as required	Per Point	6	6,573.50	39,441
7		SLCP				
		(General Description) Supply at site, fabrication, installation, testing and commissioning of Distribution Board (DB) , made of sheet steel 16 SWG, degreased and derusted, with 2 coats of antirust paint, 2 coats of powder coated paint of approved colour, protection classification IP-44, totally enclosed indoor floor mounting cubicle type in free standing design, with hinged door, handle including cost of all auxiliaries, internal wiring, designation lables on MCCBS, grounding bar suitable for system Voltage 440 V, 50 Hz, 3 Phase and neutral bus bars of 99.9% electrolytic copper, including cost of cable terminal blocks wiring from breakers, brass cable glands, all accessories complete in all respects metion in BOQ or not required for performing completely. All incoming and outgoing breakers shall be accessible only by opening the front door having further M.S. sheet cover gaskets shall also be provided where necessary. Panel should be compeltely made in certified factory. ie PEL, Green T & D, Mazcorp engineering or equivalent as per instructions by engineer incharge				

		(General Description) All MCCBs shall be suitable to operate without any derating at 40°C ambient temperature and shall be of one make only. The sides of MDB shall also have louvers at bottom and top on sides of panel for hot air exhaust, wire mesh etc. The back of the panel shall be lockable door instead of bolted and shall conform to single line diagram. item should be of ABB, Schneider or equivalent as per instructions by engineer incharge				
i)		Main Distribution Board				
		SLCP				
ELECT-C-224		Providing & fixing Current Transformer rating 60/5amp (round) RLC-30 as required & as per instruction of EI	Each	1	6,295.56	6,296
ELECT-A-239		Providing & fixing ammeters size 96/96mm Direct 15A, 30A, 50A, 60A & 100A as required & as per instruction of EI	Per No.	1	4,186.50	4,187
ELECT-A-240		Providing & fixing voltmeter size 96/96mm 500volt as required & as per instruction of EI	Per No.	1	4,186.50	4,187
		INCOMING				
ELECT-M-181		Providing & fixing circuit breaker 15,20,30 , 40, 50 & 60 amp TP(XE-100cs[CB]) on prepared board as required.	Per No.	1	26103.18	26,103
ELECT-M-178		Providing & fixing circuit breaker 6, 10 , 15, 20,30,40,50&63 SP (TB-5S)on prepared board as required	Per No.	3	2504.12	7,512
		OUTGOING				
ELECT-M-178		Providing & fixing circuit breaker 6, 10 , 15, 20,30,40,50&63 SP (TB-5S)on prepared board as required	Per No.	4	2504.12	10,016
Sub Total of Schedule Items						7,892,779
Premium Quoted by Contractor.....Above%.....Below%.....						
Total Amount Schedule Items						

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana".

EXTERNAL ELECTRIFICATION AND STREET LIGHTS

Non Schedule Items

S.#	Items/Decryption	Unit	Qty	Rate	Amount
1	LT Cables				
	Supply at site, installation, testing and commissioning of PVC insulated 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. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Cable should be of Paksitan Cable, Newage or fast cable and conduit should be of Solo, popular or equivalent as approved by site engineer.				
i)	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- d) PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable:- ii) 6 mm sq (7/0.044)	R.Mtr	120		
2	Grounding Cables				
	Supply at site, installation, testing and commissioning of PVC insulated non armoured copper conductor cable 450/ 750 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. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Cable should be of FAST, Newage or universal cables and conduit should be of Solo, popular, easyfit or equivalent as approved by engineer incharge.				

	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):--6 mm sq (7/0.044")	R.Mtr	120		
3	HT Cable Poles				
	Manufacture and erection of galvanized angle iron lattice steel structure pole 37 ft. (11.25 m) long 30 ft. (9 m) above ground level), 34" square (850 mm) at base, 13.75" (35 mm) square at top, for electric distribution line, using 2"x2"x5/32" (50x50x4mm) high tensile steel angle iron legs, and 1-3/8"x1-3/8"x1/8" (35x35x3 mm) M.S. angle iron bracings fixed between legs on all the four sides in diagonal position as per standard drawing including silver painting of pole, excavation and refilling of foundation, one ft. (300 mm) thick cement concrete 1:3:6 foundation of outer size 8'x3½'x3½' (2400x1050x1050 mm), etc. complete in all respects as approved or directed by engineer incharge.	Each	4		
7	HT Cable 120 mm				
	Supply laying,testing and commissioning of XLPE (Cross linked polyethelene) insulated stranded Conductor cable of 8.7/15 KV grade made of Pakistan Cable/Newage with Semiconducting tape screened, Copper tape screen, PVC filler binder, Extruded PVC sheath in trenches/prelaid pipes as per Wapda specifications i/c the cost of ties and cable identification tags (rate for cables only) make Fast, Newage, pakistan cables or equivalent as approved or directed by engineer incharge.:- b) 4 core Cable iv) 120mm sq	P/Meter	500		
4	Pin Insulator				
	Supply and erection of pin insulator, green medium size.	Each	4		
5	Transformer 1000 KVA				
	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer polemounted of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V specified impedance as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, Transfopower, Elmetec or as	No.	1		

	approved and directed by the Engineer Incharge. b) 5% impedance with buchholz relay and LT box (ii) 1000 KVA				
	SLCP				
	(General Description) Supply at site, fabrication, installation, testing and commissioning of Distribution Board (DB) , made of sheet steel 16 SWG, degreased and derusted, with 2 coats of antirust paint, 2 coats of powder coated paint of approved colour, protection classification IP-44, totally enclosed indoor floor mounting cubicle type in free standing design, with hinged door, handle including cost of all auxiliaries, internal wiring, designation lables on MCCBS, grounding bar suitable for system Voltage 440 V, 50 Hz, 3 Phase and neutral bus bars of 99.9% electrolytic copper, including cost of cable terminal blocks wiring from breakers, brass cable glands, all accessories complete in all respects metion in BOQ or not required for performing completely. All incoming and outgoing breakers shall be accessible only by opening the front door having further M.S. sheet cover gaskets shall also be provided where necessary. Panel should be compeltely made in certified factory. ie PEL, Green T & D, Mazcorp engineering or equivalent as per instructions by engineer incharge				
	(General Description) All MCCBs shall be suitable to operate without any derating at 40°C ambient temperature and shall be of one make only. The sides of MDB shall also have louvers at bottom and top on sides of panel for hot air exhaust, wire mesh etc. The back of the panel shall be lockable door instead of bolted and shall conform to single line diagram. item should be of ABB, Schneider or equivalent as per instructions by engineer incharge				
	i) Main Distribution Board				
	SLCP				
	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Volt Selector Switch,Ammeter selector switch, and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep (i) 20~60A	Each	1		
6	Earthing				

	Supply, installation, testing and commissioning of earthing system for protecting Earthing of Rod 19 mm 10 ft long with bare solid Earth conductor 1 x 35sq.mm upto earth connecting point, inspection chamber, marconite concrete, drilling etc, to achieve less than 3 ohms specified Earthing results. complete in all respect as per drawing and specification or as per directed by Engineer.	No.	3		
7	HT Poles Accessories				
	Providing and fixing of cross arm for poles, pin, braces, stay wire, nuts and bolts complete accessories in all repect as approved or directed by engineer incharge.	No.	4		
8	Termination kit 120 mm sq S/Core HT Indoor				
	Providing and fixing HT. INDOOR TERMINATION KIT FOR 3/CORE, 120 MMSQ., AL./XLPE/SWA/PVC FOR 17.5kv. ALUMINUM CONDUCTOR MAKE: RAYCHEM GERMANY or equivalent complete in all respect as approved or directed by engineer incharge.	No.	4		
9	Termination kit 120 mm sq S/Core HT outdoor				
	Providing and fixing HT. OUTDOOR TERMINATION KIT FOR 3/CORE, 120 MMSQ., AL./XLPE/SWAPVC FOR 17.5kv. ALUMINUM CONDUCTOR MAKE: RAYCHEM GERMANY or equivalent complete in all respect complete in all respect as approved or directed by engineer incharge.	No.	4		
10	Termination kit 120 mm sq 4 core Cu LT Cables				
	Providing and fixing INDOOR TERMINATION KIT FOR 4/CORE, 120 MMSQ., CU./XLPE/PVC FOR 600/1100 volts. COPPER CONDUCTOR complete in all respect as approved or directed by engineer incharge.	No.	1		
11	Termination kit 185 mm sq 4 core Cu LT Cables				
	Providing and fixing INDOOR TERMINATION KIT FOR 4/CORE, 185 MMSQ., CU./XLPE/PVC FOR 600/1100 volts. COPPER CONDUCTOR complete in all respect as approved or directed by engineer incharge.	No.	3		
12	LIGHT FIXTURES				
	(General Description) Supply, installation, testing and commissioning of following light fittings, ceiling, recessed,wall mounted as per specified fixture. Complete with internal wiring, Grounding terminal , driver complete in all respects. Lights should be of Phillips, ledvance, Sky LED or equivalent.				
i)	18 Watt (White) LED Light Fixture surface/recessed mounted, IP-22 rated	No.	6		
13	WIRING ACCESSORIES				

	(General Description) Supply at site, installation, testing and commissioning of the following wiring accessories, complete in all respects. Made of TJ, Legrand or approved equivalent.				
i)	10 Amps, 250Volts one way, One gang light control switches including appropriate size concealed Plastic back box.	No.	1		
ii)	10 Amps, 250Volts one way, Two gang light control switches including appropriate size concealed Plastic back box.	No.	1		
14	LT Distribution Board				
	Incoming				
	Supply, Installation, testing and commissioning of 01 1250A 3P ACB RC-65KA, Adj 1 Schneider/ABB/Legrand 02 Digital type Volt meter 0~600VAC 3 Entes Turkey 03 Digital type Ampere meter 3 Entes Turkey 04 Current Transformer 1250/5A 3 Metlex 05 Phase Indications R-Y-B, 220VAC 3 Schneider Electric 06 ON/OFF Indications, 220VAC 2 Schneider Electric 07 06A SP MCB RC-06KA for Control 3 Schneider/ABB/Legrand, complete in all respect as approved by engineer incharge.	Job	1		
	Outgoing				
	Supply, Installation, testing and commissioning of 01 No 1250A TPN+E Electrolyte Tin Coated, 03 No 100 Amp TP breakers Copper bus bars make KHM Pak complete in all respect as approved by engineer incharge.				
	Cubical				
	Supply, Installation, testing and commissioning of 01 Cubicle Size: H-2100 X W-700 X D-700mm 14 SWG 2 EPCS Switchgear 02 THERMOSTAT SWITCH 6A-250VAC, 0~60oC 1 Imported 03 FAN 6", 220VAC 2 Plastim Turkey 04 LOUVERS 6" PLASTIC 4 Plastim Turkey complete in all respect as approved by engineer incharge.				
15	CIVIL WORKS				
i)	Trench (for LT Cable)				

	Labour for excavation and refilling of trench 12" wide, 24" deep 9" sand compaction below and above in preinstalled PVC pipes, ramming watering all necessary material, labour etc, complete in all respect. Actual length of the trench shall be as per site condition and paid accordingly however approximate length of trench is given.	R.Mtr	550		
ii)	<u>Manhole For LT Cable Pulling (If Required)</u>				
	Construction of manholes to facilitate pulling of cables in trench or conduit as shown on drawing, manholes shall be of the size 24" x 24" x 30" deep with 9" thick wall with cement mortar, internal plaster 1:4, 100mm thick RCC cover for manhole, including cost of all accessories / materials, complete in all respects. (Tentative number of manholes have been provided, however payment shall be made as per actual and as per quantity requirement)	Nos.	4		
Total Amount Non Schedule Items					

Bill of Quantities (BOQs)

Construction of External Development work of Central/Digital Library & Central Masjid of "Establishment of Centre for Advanced Research in Molecular, Genetic and Allied Facilities, at Shaheed Mohtarma Benazir Bhutto Medical University, Larkana".

ELECTRIC SUBSTATION (CIVIL WORKS)

Composite Schedule of Rates CSR 2024 Govt of Sindh

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
1	C-3/21(2)-a-(ii)	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	%0Cft	2731	10046.40	27,438
2	C-26/45	Spraying termite proofing by using liquid FM C/ B i f l ex/ Termi nex Exin/ Ms Hext ar or equivalent @ speci f i ed suspensi on concent erat e (SC), Mixing Ability-HEXTAR with Rati o (1:250)= 540 Sf t or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years compl et e in al l respect .as approved by the Engineer Incharge	P.Sft	3398	12.40	42,133
3	C-6/5(i)	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1:4:8	%Cft	196	33654.00	65,904
4	C-10/16(e)	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:-(e) 2"(50 mm) thick	%Sft	282	11219.05	31,680
5	C-6/6 a-iii (3)	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned above not requiring form work (i.e. horizontal in shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	P.Cft	241	551.40	132,956
6	C-6/6 a-i (3)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4), Ground floor	P.Cft	481	692.95	333,266
7	C-6/6a(i)(2)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or	P.Cft	65	761.00	49,085

		prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3)				
8	C-6/6 a-i (2)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), Ground Floor	P.Cft	74.0	761.00	56,299
9	C-6/12(ii)	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-60)	%Kg	4035	35234.50	1,421,584
10	C-7/4(i)	Pacca brick work in foundation and plinth in Cement,sand mortar. Ratio 1:6	%Cft	1435	31534.45	452,588
11	C-3/15(i)	Filling, watering, ramming earth under floors (with surplus earth foundation).	%OCft	910	6943.20	6,321
12	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:5	%Cft	942	35347.80	332,943
13	C-11/11(b)	Cement plaster 1:5 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	%Sft	1428	4078.80	58,230
14	C-11/11(c)	Cement plaster 1:5 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick. (Internal Ground Floor)	%Sft	235.0	5518.80	12,969
15	C-11/9-c	Cement plaster 1:4 Ground Floor:- c) ¾" (20 mm) thick (External)	%Sft	1516.8	5708.15	86,578
16	C-11/10(b)	Cement plaster 3/8" thick under soffit or R.C.C. roof slab only upto 20' heigh ratio 1:3.	%Sft	615	4863.00	29,907
17	C-13/31 (a+b)	Preparing surface and painting with emulsion paint three coats.	%Sft	2043	4184.85	85,481
18	C-13/46	Providing and applying wall putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.	%Sft	4085.25	502.70	20,537
19	C-13/33-a-(i+ii)	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) new surface: Two coats	%Sft	1380	7084.30	97,728

20	C-25/52	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm hickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	P.Sft	71	1292.90	91,796
21	C-25/53	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze colour / powder coated of size 1-1/2" x 1/2" and 1.6mm thick with rubber gasket i/c cost of hardwares as approved and directed by the engineer incharge complete in all respect.	P.Sft	71.0	536.60	38,099
22	Ch-25/59-(ii)	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/ horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Squar Bars	P.Sft	71.00	1216.55	86,375
23	C-25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and 3/4" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement	P.Sft	54.00	2,860.45	154,464
24	C-10/3	Supplying and filling sand under floor.or plugging in wells.	%Cft	296	3692.00	10,933
25	C-6/2	Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50mm) gauge.	%Cft	296	1184.00	3,506
26	C-6/5(f)	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate): f) Ratio 1: 2: 4	%Cft	150	44866.80	67,238
27	9/15.	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	2.00	1073.35	2,147
28	C-9/5	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Cft	615	12865.70	79,124

29	C-26/39(ii)	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.ii)500 gauge (.005" thick)	P.Sft	615	10.60	6,519
30	C-9/45-b	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400kpa, R-value5 per inch thickness and water absorption (1%byvolume, closed cell) i/c cutting and placing in position complete in all respect.(b)1-1/2" thick	%Sft	615	11,078.10	68,130
SUB TOTAL OF MRS ITEM						3,951,958
Premium Quoted by Contractor.....Above%.....Below%.....						
Total Amount Schedule Items						