

**SHAHEED MOHTARMA
BENAZIR BHUTTO
MEDICAL UNIVERSITY
LARKANA**

TENDER DOCUMENTS



**Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka
Medical College of SMBB 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 to participate in percentage/ item rate tender through E-Pak Acquisition & Disposal System (EPADS) for following works;

The details are as under:

S.#	Name of Work	Tender Fee (Rs.)	Earnest Money	Completion Time
1.	Renovation & Rehabilitation of Academic Block & Departments at Chandka Medical College of SMBB Medical University, Larkana.	5,000	5%	03 Months
2.	Renovation & Rehabilitation Type-I Bungalows at Chandka Medical College of SMBB Medical University, Larkana.	5,000	5%	04 Months
3.	Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana.	5,000	5%	04 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 in Repair & Rehabilitation works.
4. The firm shall have Tax Returns for last 03 years.
5. Average Annual Financial Turnover not less than equivalent to quoted cost during last 05 years.
6. At least one similar nature of work executed during last 03 years equivalent to the quoted cost.
7. 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 26-01-2026 to 10-02-2026 at 10:30 AM
 - ii. Submission date will be 10-02-2026 up to 11:00 am.
 - iii. Opening: will be opened on 10-02-2026 at 11:30 am.

Method of Procurement: (Single Stage One Envelope).

Terms & Conditions:

a. Under following conditions bid will be rejected: -

- i. Bids not accompanied by bid security and supporting documents.
- ii. Bids received after specified date and time.
- iii. If bidder not participated through online (E-PADS)
- iv. Bids of currently black listed firms.

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 through courier.

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 SMBB 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”, “Day work 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 Remedyng 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 recorded 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.

1.1.12 “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:

1.3 Estimated cost: **Rs. 79,153,029.00**

Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB 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:

Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana

20.1 (a) Deadline for submission of bids: **10-02-2026 11: 00 am.**

(b) Venue, time, and date of bid opening: **Office of the Project Director, SMBBMU, Larkana (Arija) on 10-02-2026 11:30 am**

**FORM OF BID
AND
APPENDICES TO BID**

FORM OF BID

Bid Reference No. **Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB 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/LOA/Work order.
4.	Time for Completion (works & sections)	8.2 & 10.2	04 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	360 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. 4.50 (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) 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 forfeited and absolutely at the disposal of</p>

		<p>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 notwithstanding 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	Contractor remains liable to pay compensation if action not taken under clause 3 and 4. power to take possession of or required removal of or sell contractor's plant	Clause-3	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.
17	Extension Of Time	Clause-4	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

			<p>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 contracts 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</p>

			estimated to cost more than rupees ten thousands, the Contractor shall 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 very 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 Engineers certificate of the measurements and of the total amount payable for the work shall be final and binding on all parties.
18	payment at reduced rates of account of item of work not accepted as completed to be at the discretion of the Project Director	Clause-7	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.
19	Bills to be submitted monthly	Clause-8	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 the 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 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 hold or cause to be held the site investigations and give his decision. The decision of the Project Director shall be final.
20	Bills to Be Printed On Forms	Clause-9	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.
21	Store Supplied By University	Clause-10	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 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 initiated 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 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

			<p>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 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 detonated 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,</p>

			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 & 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	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 Contractor 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.
31	Measure For Prevention Of Fire	Clause-20	The Contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a written permit from the Project Director. When such permit is given, and also all cases when destroying cut or dug up trees, brushwood, grass etc., by fire; the Contractor

			<p>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 employed in connection with the execution of the works as also for use on the works itself.</p>
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</p>

			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 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 ensue 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	<p>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 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 far 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:

			<p>Work costing up to Rs. 15.0 lacs :</p> <p>A Diploma holder.</p> <p>Work costing over Rs. 15.0 Lacs :</p> <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	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.
62	Force Majeure	Clause-50	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 party 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.
63	Mobilization Advance	Clause-51	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 following conditions:

		<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.

Appendix-B to Bid
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)

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	<p style="text-align: center;">Sub-Total</p> <p>Allow _____ percent of subtotal for Contractor's overhead, profit, etc., in accordance with Paragraph 4(b) of Day work Schedule _____</p> <p>Total for Day work: Materials _____</p> <p>(Carried forward to Day work Summary)</p>					

(Not Applicable)

Appendix-D to Bid**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)

Appendix-D to Bid
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

Appendix-F to Bid

METHOD OF PERFORMING THE WORK

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

1. Organization Chart 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)

Appendix-L to Bid
(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 times 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:

Signature _____

1. _____

Name _____

Title _____

Corporate Secretary (Seal)

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

civil 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)

2. _____

Name _____

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.

CA-2

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 _____

WITNESS

1. _____

Corporate Secretary (Seal)

2. _____
(Name Title & Address)

2. Name _____

3. Title _____

Corporate Guarantor (Seal)

INDENTURE FOR SECURED ADVANCES.

(For use in cases in which the 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 WITNESSETH 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 as 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 the 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 of 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 notwithstanding 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)

Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana.		
S.#	Description	Quoted Cost in Rs.
01.	Type-D Quarters	Rs.
02.	Type-E Quarters	Rs.
03.	Type-F Quarters	Rs.
04.	Type-H Quarters	Rs.
05.	Type-I Quarters	Rs.
	Total Amount in million	

<u>SUMMARY OF COST</u>		
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana		
S.#	DESCRIPTION	AMOUNT
01	Type-D Quarters	
A	Civil Works	
01	Part-I (Civil Works) Schedule Items	
02	Part-III (Civil Works) Non-Schedule Items	
B	Plumbing Works	
01	PART-I PLUMBING WORK SCHEDULE ITEMS.	
02	PART-II PLUMBING WORK NON SCHEDULE ITEMS	
03	Difference of Material: Interim Relief	1,349,968
	TOTAL AMOUNT CIVIL WORK (PART-A+B)	
C	Electrical Works	
01	PART-I Electrical Work Schedule Items 2012	
02	PART-I Electrical Work Non Schedule Items	
	TOTAL AMOUNT ELECTRICAL WORK (PART-C)	
	TOTAL AMOUNT CIVIL & ELECTRICAL WORK (PART-A+B+C)	
	Add: SRB 5.0%	
	GRAND TOTAL AMOUNT (PART-A+B+C)	

BILL OF QUANTITES

**Repair and Renovation Roof Replacement of D-Type Quarters Old Staff Colony at CMC,
Larkana.**

Detail of Each Type Of Quarters

i- Wing-A Quatrer No.01,02,05,06

ii- Wing-B Quarters No. 06,07,08

iii- Wing-D Quarters No. 05,06,07,08,09,10,11,12

S. #	Description	Qty	P.Unit	Rate (Rs.)	Amount (Rs.)
01	Type-D Quarters				
	Part-I: Civil Work Schedule Items CSR-2012				
1	Rehandling of earth work (9b-P02)	4482	%Cft	1,058.57	4,745
2	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and strengthening of the same (20-P-10)	4482	%Cft	5,445.00	244,070
3	Dismantling brick work in lime or cement mortar(13-P-10)	544	%Cft	1,285.63	6,998
4	Dismantling C.C plain 1:3:6 (19b-P10)	2664	%Cft	1,307	34,818
5	Removing Doors with Chowkets (33a-P12)	86	P.No	142	12,227
6	Removing cement plaster lime plaster (53-P15)	2634	%Sft	121	3,187
7	RCC work in roof slab beams columns, rafts, lintels and other structure members laid in site or presast laid in position complete in all respects(1) Ratio (1:2:4) 90 lbs cement 2 Cft sand 4 Cft shingle 1/8" to 1/4" gauge.(6b (II)-P16)	259	P.Cft	337	87,148
8	Fabrication of mild steel reinforcement for concrete including cutting bending laying in position ,making joints and fastenings including cost of binding wire (also including removal of rust from bars.)(8,p16)	14	P.Cwt	5,001.70	69,291
9	P/L Doubule layer of polythene sheet 0.13 mm thick for water proffing as per specification and instruction of engineer(38-p37)	7695	P.Sft	21.40	164,665
10	Single layer of tiles 9" x4 1/2" x 2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R.C.C slab provide with 34 Lbs. Bitumen coating sand blinded.(05-P/34)	7695	%Sft	5,310.35	408,611
11	Fixing water spout or parnal (37,p37)	60	Each	211.75	12,705
12	Exrea Labour rate for making cement plster pattas /band around strignt or carved opnings and around the edges of roof salb the width not less than 6" with fine finshing as derected by engineer Incharge (35-P-54)	2250	P.Rft	19.36	43,560
13	Pacca brick work in ground floor in (5e-p20)	3792	%Cft	12,674.36	480,675
14	Cement concret brick or stone ballast 1 1/2" to 2" guage 1:4:8 (4b-P-14)	2664	%Cft	9,416.28	250,887
15	Providing and Laying 2" thick c.c topping (1:2:4) i/c surface finshing & dividing into pannels 2" thick (16d-P41)	10658	%Sft	3,275.50	349,090
16	Applying floating coat of cement 1/32" thick (14-p52)	13039	%Sft	660.00	86,057
17	Cement plaster 1/2" 1:6 upto 12' height (11a-p51)	13039	%Sft	2,206.60	287,718

18	Cement plaster 3/8" 1:4 upto12' height(13b,p51)	13039	%Sft	2,197.52	286,534
19	Supplying and Fixing G.I Frames/Choukhats of size 7"x2" or 4-1/2"x3" (29,Page92)	884	P.Rft	228.90	202,348
20	Laying Floor of approved coloured glazed tile 1/4" thick laid in white cement & pigment on bed of 3/4" thick cement mortar 1:2 (25-p-42)	1050	%Sft	27,747.06	291,372
21	Glazed tile 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick i/c finshing (38-P45)	4589	%Sft	28,299.30	1,298,715
22	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and square bars 4" center to center with looking arrangment (24-P-92)	420	P.Sft	726.72	305,222
23	Scraping,ordinary distemper, iol bound distemper or paint on walls.(54b-P,13)	35440	%Sft	605.00	214,412
24	Priming coat of chalk distemper (23-P54)	35440	%Sft	442.75	156,911
25	Preparing the surface and painting with matt finish i/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the voids with zink /chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc: complete (36(a,b)-P54)				-
	1st Coat	35440	%Sft	1,989.62	705,121
	2nd and Subssequent Coat	35440	%Sft	727.38	257,783
26	Painting New Surface Doors and Windows 03 coats (5-c-P69)	7689	%Sft	1,489.68	114,542
27	Cleaning inside sewerage lines completely restoring original silt free space diameter of pipe lines by labour and equipment (Mechanically / electrically driven) . Including accessories like pulleys steel rope, bucket and draggers sizing from 6" to 18" dia. Their "to and fro " pulling action (No. of passes shall be as many as required) would be taken in two phases (First phase entire length from down stream to up stream) bring down peak hours sewerage to flow inside pipe line (as free flow) and in second phase from up stream to down stream of entire length ensuring no silt is observed in buckets (6" dia to 18"dia.) except only sewage water and finally pass a steel ball of dia, 12" lesser than the diameter of pipe but not exceeding 48" dia ball even for large dia pipe to ensure perfect cleaning .The job includes all the hire / cost of equipment and accessories of above winching mahine devices/ devices along with / engines with winching drum set having , steel rope pully mounted over it, steel bucket fro 6" to 8" dia hooks and other protection likes safety barries, traffic signs, traffic cones ensuring no damages to pipe along with ensuring safety to labour and other public property / lives and removal of silts/ solid during desilting and clearance of site etc complete as per fully satisfaction of site engineer.(S.No 5 / P-31)	2000	P.Rft	80.50	161,000

28	Cleaning / desilting of manhall / inspection chambers including cleaning and rodding of connected sewers (Average 50'-0 per M.hole removing sewage and solids waste and throwing outside KMC limits (S.No 96 / P- 110)	100	Per M.H	474.83	47,483
	Sub Total Amount Part-I				6,587,895
	Quoted Rate Premium Above/Below -----%				
	Sub Total Amount Part-I				

BILL OF QUANTITES					
Part-II Civil Work Non-Schedule					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
Item	Description	Qty	Unit	Rate (Rs.)	Total (Rs.)
01	Type-D Quarters				
	Part-II: (Civil Work) Non Schedule Items				
1	Supplying Erection and Fixing rolled steel girders good quality therate include the rate of materialand its labour, without painting (N.S.I)	53.195	P.Cwt		
2	Supplying Erection and Fixing rolled steel T-Iron Bars good quality therate include the rate of materialand its labour, without painting (N.S.I)	110.647	P.Cwt		
3	1st class kail wood wrought, joinery in doors and windows etc, fixed in position hold fastes hinges, iron tower bolts, chocks, handles and cords with hooks, etc panelled or panelled and glazed, or fully glazed 1 3/4" thick (only shutter) N.S.I	1600.64	P.Sft		
4	Providing and laying 12"x 6"x1/2" thick Marble Tiles Floor for Roof Treatment of approved size,design and quality set in cement sand mortar 1:2 in grey cement 3/4" thick including washing and filling the joints with white cement slurry using colour pigment for matching, including levelling and curing etc, complete as per specification and as directed by the Engineer Incharge. (NSI)	7694.62	P.Sft		
	Total Amount N.S.I Part-II (Civil Work)				

BILL OF QUANTITES					
<u>PLUMBING WORK (Part-B)</u>					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.#	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
01	Type-D Quarters				
	Part-I Plumbing Works (Schedule Items-2012)				
1	Providing and fixing squatting type white glazed earthenware W.C. Pan with front inlet & complete with including the cost of flushing cistern with internal fittings and flush pipe with holes in wall plinth and floor with the Pipe connection & Making good in cement concrete 1:2:4 (Foreign Equivalent) A. W.C Pan 23" and low level earthen ware flush tank 3 gallon with 4" dia white glazed earthen ware tap and plastic thimble (S.I No.1a,Page-1)	15.0	Each	5,772.80	86,592
2	24" x 18" Lavatory Basin in white glazed earthen ware complete with and including the cost of W.I or C.I cantilever 6 inches built into walls, painted white in two coats after primary coat of red lead paint a pair of 1/2" die rubber plig an chrome placed brass chain 1-1/4" dia, melloable iron or brass unions and making requisite number of holes in wall plinth and floor for Pipe connections and making good in cement concrete 1:2:4 (foreign or Equivalent) Counter type Basin.(Item 13 Page-4)	15.0	Each	6,237.00	93,555
3	Supplying & fixing wash Basin mixture of superior quality with c.p head 1/2" dia (Item No. 14 (a) Page 19)	30.0	Each	,882.00	86,460
4	Supplying & fixing concealed tee stop cock of superior quality with cc, p head 1/2" dia (Item No. 12 (a) Page 18)	60.0	Each	43.92	50,635
5	Providing & fixing steel sink stainless local make complete with cast iron or wraught iron brackets 6 inchs built in wall 1-1/2" c.p rubber plug chrome plated brass chain 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4 (19c-P,6)	15.0	Each	5,712.30	85,685
6	Providing & fixing in position nylon connection complete with 1/2" dia, brass stop cock with pair of brass nuts and lining joints to nyloon connection (S.I.No.23b-P6)	30.0	Each	447.15	13,415
7	Supply and fixing long neck bib cock of superior quality with c.p. head 1/2" dia (Item No. 13 Page 19)	30.0	Each	1,109.46	33,284
8	Providing & fixing ball valve (with unsoldered) made to B.B S 1212 Dia 1" (6iii-P,18)	15.0	Each	318.34	4,775
9	Providing & fixing ball valve (with unsoldered) made to B.B S 1212 Dia 3/4" (6iii-P,18)	15.0	Each	290.84	4,363
10	Supplying & fixing in position brass bib cocks 1/2" dia (S.I.No.1ib-P16)	60.0	Each	337.92	20,275

11	Providing, Laying uPVC Pressure Pipes of class D fixing in trench, walls, i/c cutting fitting and jointing with solvent cement i/c testing with water to a head of 122 meter over 400 ft, i/c cost of socket, elbow, tee etc bend, complete in all respect 4"dia (100 mm)(Item No. 6- Page -24)	600	Rft	226.00	135,600
12	Supplying and Fixing fibre glass tank of approved quality and design and wall thickness as specified i/c cost of nuts,bolts and fixing in plateform of cement concrete 1:3:6 and making connections for inlet and outlet and overflow pipes etc Complete (3b-P,21)	15	Each	0,773.42	461,601
13	Providing Chambers (15"x19"inside dimension) 24" deep for house meters with 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:3 to all inside wall surface and top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement concrete 1:2:4. I/c curing exevationback filling & disposal of surplus earth etc. (S.I.No/02-P/20)	15	Each	5,913.22	88,698
	Sub Total Part-I (Plumbing Work)				1,164,937.50
	Quoted Rate Premium Above/Below -----%				
	Sub Total Part-I (Plumbing Work)				
	Part-II Plumbing Work N.S.I				
1	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 3/4" Dia	600	P.Rft		
2	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 1" Dia	300	P.Rft		

3	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 6" Dia	300	P.Rft		
4	P/F UPVC P- Trap W/Elbow (45 degree) of SCH-40 PVC of NAMAT OR EQUIVALENT make o and design of verious fixed to UPVC pipe / fittings paid separately, using approved adhesiv (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge. Specifications of the metrial should meet to requirements of class 12454-B in accor the ASTM-D- 1784 type 1 grade 1. rate includes all costs of labour, material cartage scaffolding / ladders etc (N.S.I) 4" Dia	90	Each		
Sub-Total Part-II Non-Schedule Items (Plumbing Work) NSI					

Electrical Works

BILL OF QUANTITIES (BOQ)					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.#	Description	Qty	Unit	Rate	Amount
01	Type-D Quarters				
Part A -Schedule Items					
1	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.129,P.NO.15) SR-2012	300	P.Point	910	273,000.00
2	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.130,P.NO.15) SR-2012	90	P.Point	742	66,780.00
3	Providing & fixing two pin 5amp plug & socket flush type (S.No.225, P.No.33) SR-2012	90	Per No.	83	7,470.00
4	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.029 Copper conductor in 3/4" dia PVC conduit on surface (S.NO.3, P.NO.1) SR-2012	2700	P.Meter	171	461,700.00
5	Providing and laying MAIN or SUB MAIN) PVC insulated with size 2-7/.052 (10mm ²) Copper conductor in 1" dia PVC conduit on surface (S.NO.6, P.NO.1) SR-2012	105	P.Meter	428	44,940.00
6	Providing & fixing Brass Battern holder (S.NO.232,P.NO.33) SR-2012	150	Per No.	70	10,500.00
7	Providing & fixing one way SP 5amp switch flush type (S.NO.219,P.NO.33) SR-2012	300	Per No.	54	16,200.00
8	Providing & fixing Bakelite ceiling rose with two terminals (S.NO.228,P.NO.33) SR-2012	75	Per No.	72	5,400.00
9	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps SP (TB/5S) on prepared board as required (S.NO.203,P.NO.31) SR-2012	80	Per No.	916	73,280.00
10	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps DP (TB/5S) on prepared board as required (S.NO.204,P.NO.31) SR-2012	15	Per No.	2456	36,840.00
11	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.044 (6mm) Copper conductor in 1" dia PVC conduit on surface (S.NO.5, P.NO.1) SR-2012	120	P.Meter	305	36,600.00
12	Providing & fixing three pin 10/15amp plug & socket (S.NO.224,P.NO.33) SR-2012	66	Per No.	151	9,966.00
	Sub-Total				1,042,676.00
	Add Govt. Premium @ 10% on SR-2012				104,267.60
	Add Premium Quoted by the Qontractor.....%Above.....Below				
	Total (A)				

Part B -Non Schedule Items					
1	Providing & Fixing Teddy Switch Porcelain Type (20A) Suitable for Electric Motor/Water Pump fixed on prepared board as required, complete in all respects.	15	Each		
2	Providing & Fixing Capsule Lights of good quality with energy saver (23W) by making all the necessary connections laid already at the location. Recommended Energy Saver: Philips/ SOGO or equivalent.	60	Each		
3	Providing & Fixing mini street light of good quality with energy saver (23W) local made. Recommended Energy Saver: Philips or equivalent with all necessary connections as required.	15	Each		
4	Providing & Fixing A.C ceiling fan regulator (Heavy) on S.W board by making all necessary connections, complete in all respects.	60	Each		
5	Providing & fixing flush type electric bell push button with box & necessary connections, complete in all respects.	15	Each		
6	Providing & Fixing LED Flood Light 100 Watts on movable Stand as required (Recommended: Orient, OSAKA, Smart, Watson or equivalent).	30	Each		
7	Providing & Fixing AC or DC Electric Bell 200/250 volts by making all the necessary connections, complete in all respects	15	Each		
8	Providing & Fixing main panel board (16 SWG) double shutter to accommodate heavy duty circuit breaker, bus bars including painting	21.45	Sq. Ft.		
	Total (B)				
	Grand Total (A+B)				

<u>SUMMARY OF COST</u>		
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana		
S.#	DESCRIPTION	AMOUNT
2.0	Type-E Quarters	
A	Civil Works	
1	PART-I (CIVIL WORK) CSR-2012	
2	PART-II (CIVIL WORK) NON-SCHEDULE	
B	Plumbing Work	
1	PART-I Plumbing Work BOQ Items CSR-2012	
2	PART-II Plumbing Work BOQ Non-Schedule Items	
3	Difference of Material: Interim Relief	2,310,132
	SUB TOTAL AMOUNT CIVIL WORK (A+B)	
C	Electrical Work	
01	PART-I Electrical Work CSR-2012	
02	PART-I Electrical Work Non-Schedule Items	
	SUB TOTAL AMOUNT ELECTRICAL WORK (C)	
	TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	
	Add: SRB 5.0%	
	GRAND TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S. #	Description	Qty	Unit	Rate	Total (Rs.)
2	Type-E Quarters				
	Part-I: (Civil Work) Schedule Items 2012				
1	Rehandling of earth work up to lead of 50'ft (9b-P-02)	5251.75	0%Cft	1,058.75	5,560
2	Dismantling concrete reinforced separating reinforcement from concrete cleaning and strengthening of the same (20-P-10)	890.13	%Cft	,445.00	48,467
3	Removing cement plaster (53-p13)	698.50	%Sft	121.00	845
4	Dismantling brick work in lime or cement mortar (13-P-10)	720.00	%Cft	1,285.63	9,257
5	Removing Doors with Chowkets (33a-P12)	48.00	P.No	142.18	6,825
6	RCCwork in roof salb beams columns rafts,lintels and other structure members laid in site or presast ;laid in position complete in all respects .(1) Ratio (1:2:4) 90 lbs cement 2 cft sand 4cft shingle 1/8" to 1/4" gauge(6a-P16)	335.04	P.Cft	337.00	112,908
7	Fabrication of mild steel reinforcement for concrete including cutting bending laying in position ,making joints and fastenings including cost of binding wire (also including removal of rust from bars.) (8,p16)	20.940	P.Cwt	5001.70	104,736
8	P/L Dobule layer of polythene sheet 0.13 mm thick for water proffing as per specification and instruction of engineer.(38-p37)	10503.50	P.Sft	21.40	224,775
9	Single layer of tile 9" x 4 1/2" x 2" laid over 4" earth 1" mud palster without bhoosa grouted with cement sand 1:3 on top of R.C.C slab proved with 1:3 34 Lbs bitumen coating sand blinded (5-p33)	10503.50	%Sft	5,310.38	557,776
10	Fixing water spout or parnal (37,p37)	72.00	Each	211.75	15,246
11	Extra Labour rate for making cement plaster patts/band around straight or carved opening and around the edges of roof slab the width not less than 6" with fine finishing as drected by Engineer Incharge.(35-P-54)	2250.00	P.Rft	19.36	43,560
12	Pacca brick work in ground floor in (5e-p20)	7299.66	%Cft	12,674.36	925,186
13	Applying floating coat of cement 1/32" thick (14-p52)	16501.99	%Sft	660.00	108,913
14	Cement plaster 1/2" 1:6 upto 12' height (13b-p51)	16501.99	%Sft	2,206.60	364,133
15	Cement plaster 3/8" 1:4 upto12' height (11a,p51)	16501.99	%Sft	2,197.52	362,635
16	Cement concrete brick or stone ballast1 1/2" to 2" Ratio 1:4:8 (4b-P15)	3553.40	%Cft	9,416.28	334,598
17	Providing and laying 2" thick topping cement concret (1:2:4) including surface finshing and dividing in to panles 2" thick (16d-P41)	21271.38	%Sft	4,411.82	938,455

18	Laying Floor of approved coloured glazed tile 1/4" thick laid in white cement & pigment on bed of 3/4" thick cement mortar 1:2 (25-p-42)	1547.60	%Sft	27,747.06	429,414
19	Glazed tile 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick i/c finshing (38-P45)	2790.00	%Sft	28,299.30	789,550
20	Supplying and Fixing G.I Frames/Choukhats of size 7"x2" or 4-1/2"x3" (29,Page92)	864.00	P.Rft	228.90	197,770
21	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and square bars 4" center to center with looking arrangment (24-P-92)	168.00	P.Sft	726.72	122,089
22	Scraping,ordinary distemper, iol bound distemper or paint on walls.(54b-P,13)	55809	%Sft	605.00	337,647
23	Priming coat of chalk distemper (23-P54)	55809	%Sft	442.75	247,096
24	Distempering two Coats (24c-P53)		%Sft		-
	One coat (1st coat over priming coat)	10768	%Sft	602.25	64,849
	Two coats	10768	%Sft	1043.90	112,406
25	Preparing the surface and painting with matt finish I/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the voids with zink /chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc: complete (36(a,b)-P54)				-
	1st Coat	45042	%Sft	1,989.62	896,155
	2nd and Subssequent Coat	45042	%Sft	727.38	327,623
	Painting New Surface Doors and Windows 03 coats (5-c-P69)	5814.00	Sft	1,489.68	86,610
	Painting guard bars, gate iron bars gratings , railings including standard braces (etc) and similar open work (4dii-P,)	816.00	Sft	674.60	5,505
	Sub Total Amount Part-I				7,780,587
	Quoted Rate Premium Above/Below -----%				
	Sub Total Amount Part-I				

BILL OF QUANTITES					
Part-II Civil Work Non-Schedule					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.#	Description	Qty	Unit	Rate (Rs.)	Total (Rs.)
2	Type-E Quarters				
	Part-II: (Civil Work) Non Schedule Items				
1	Supplying Erection and Fixing rolled steel girders good quality therate include the rate of material and its labour, without painting (N.S.I)	147.147	P.Cwt		
2	Supplying Erection and Fixing rolled steel T-Iron Bars good quality therate include the rate of material and its labour, without painting (N.S.I)	176.418	P.Cwt		
3	1st class kail wood wrought, joinery in doors and windows etc, fixed in position hold fastes hinges, iron tower bolts, chocks, handles and cords with hooks, etc panelled or panelled and glazed, or fully glazed 1 3/4" thick (only shutter) N.S.I	2166.00	P.Sft		
4	Providing and laying 12"x 6"x1/2" thick Marble Tiles Floor for Roof Treatment of approved size,design and quality set in cement sand mortar 1:2 in grey cement 3/4" thick including washing and filling the joints with white cement slurry using colour pigment for matching, including levelling and curing etc, complete as per specification and as directed by the Engineer Incharge. (NSI)	15755.55	P.Sft		
	Total Amount N.S.I Part-II (Civil Work)				

<u>BILL OF QUANTITES</u>					
<u>PLUMBING WORK (Part-B)</u>					
<u>Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana</u>					
S.#	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
2	Type-E Quarters				
	Part-I Plumbing Work CSR-2012				
1	Providing and fixing squatting type white glazed earthenware W.C. Pan with front inlet & complete with including the cost of flushing cistern with internal fittings and flush pipe with holes in wall plinth and floor with the Pipe connection & Making good in cement concrete 1:2:4 (Foreign Equivalent) A). W.C Pan 23" and low level earthen ware flush tank 3 gallon with 4" dia white glazed earthen ware tap and plastic thimble (1a-P,1)	18.0	Each	5772.80	103,910
2	24" x 18" Lavatory Basin in white glazed earthen ware complete with and including the cost of W.I or C.I cantilever 6 inches built into walls, painted white in two coats after primary coat of red lead paint a pair of 1/2" die rubber plig an chrome placed brass chain 1-1/4" dia, melloable iron or brass unions and making requisite number of holes in wall plinth and floor for Pipe connections and making good in cement concrete 1:2:4 (foreign or Equivalent) Counter type Basin.(13-P,4)	18.0	Each	6,237.00	112,266
3	Supplying /Fixing swan type pillar cock of superior quality with crystal head 1/2" dia (16a-P,19)	18.0	Each	877.80	15,800
4	Supplying /Fixing jet shower with rod of superior quality single c.p head. 1/2" dia (15-P,19)	18.0	Each	1142.24	20,560
5	Supplying and fixing sink mixture cock superior quality with c.p head etc complete (17-P,19)	6.0	Each	2745.6	16,474
6	Providing & fixing steel sink stainless local make complete with cast iron or wraught iron brackets 6 inches built in wall 1-1/2" c.p rubber plug chrome plated brass chain 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4 (19c-P,6)	6.0	Each	5,712.30	34,274
7	Providing & fixing in position nylon connection complete with 1/2" dia, brass stop cock with pair of brass nuts and lining joints to nyloon connection (S.I.No.23b-P6)	36.0	Each	447.15	16,097
8	Providing & fixing ball valve (with unsoldered) made to B.B S 1212 Dia 3/4" (6iii-P,18)	12.0	Each	290.84	3,490
9	Supplying & fixing wash Basin mixture of superior quality with c.p head 1/2" dia (Item No.14 (a)Page 19)	18.0	Each	2,882.00	51,876
10	Supplying & fixing concealed tee stop cock of superior quality with cc, p head 1/2" dia (S-12 (a) Page 18)	24.0	Each	843.92	20,254
11	Supply and fixing long neck bib cock of superior quality with c.p. head 1/2" dia (Item No. 13 Page 19)	24.0	Each	1109.46	26,627
12	Supplying and Fixing fibre glass tank of approved quality and design and wall thickness as specified i/c cost of nuts,bolts and fixing in plateform of cement concrete 1:3:6 and making connections for inlet and outlet and overflow pipes etc Complete (3b-P,21)	6.0	Each	30,773.42	184,641

13	Providing Chambers (15"x19"inside dimension) 24" deep for house meters with 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:3 to all inside wall surface and top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concrete 1:2:4. I/c curing exevationback filling & disposal of surplus earth etc. (S.I.No/02-P/20)	60.0	Each	5,913.22	354,793
	Sub Total Amount Part-I				
	Quoted Rate Premium Above/Below -----%				
	Sub Total Amount Part-I				
	Part-II Plumbing Work N.S.I				
1	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 3/4" Dia	600.0	P.Rft		
2	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 1" Dia	360.0	P.Rft		
3	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 1-1/4" Dia	120.0	P.Rft		
4	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 4" Dia	600.0	P.Rft		

5	P/F UPVC Pipe (AGM) Sch:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 6" Dia	1200.0	P.Rft		
6	P/F UPVC P- Trap W/Elbow (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make o and design of verious fixed to UPVC pipe / fittings paid separately, using approved adhesiv (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge. Specifications of the metrial should meet to requirements of class 12454-B in accor the ASTM-D- 1784 type 1 grade 1. rate includes all costs of labour, material cartage scaffolding / ladders etc (N.S.I) 4" Dia	54.0	Each		
	Sub-Total Part-II Non-Schedule Items (Plumbing Work) NSI				

ELECTRICAL WORK

BILL OF QUANTITES (BOQ's)

Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana

S. #	Description	Qty	Unit	Rate	Amount
02	Type-E Quarters				
Part I -Schedule Items 2012					
1	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.129,P.NO.15) SR-2012	180	P.Point	910	163,800
2	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.130,P.NO.15) SR-2012	54	P.Point	742	40,068
3	Providing & fixing two pin 5amp plug & socket flush type (S.No.225, P.No.33) SR-2012	54	Per No.	83	4,482
4	Wiring for call bell point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit on surface as required (S.NO.127,P.NO.15) SR-2012	9	P.Point	1380	12,420
5	Providing and laying (MAIN or SUB MAIN)PVC insulated with size 2-7/.029 Copper conductor in 3/4" dia PVC conduit on surface (S.NO.3, P.NO.1) SR-2012	1080	P.Meter	171	184,680
6	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.052 (10mm ²) Copper conductor in 1" dia PVC conduit on surface (S.NO.6, P.NO.1) SR-2012	450	P.Meter	428	192,600
7	Providing & fixing Brass Battern holder (S.NO.232,P.NO.33) SR-2012	88	Per No.	70	6,160
8	Providing & fixing one way SP 5amp switch flush type (S.NO.219,P.NO.33) SR-2012	180	Per No.	54	9,720
9	Providing & fixing Bakelite ceiling rose with two terminals (S.NO.228,P.NO.33) SR-2012	45	Per No.	72	3,240
10	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps SP (TB/5S) on prepared board as required (S.NO.203,P.NO.31) SR-2012	45	Per No.	916	41,220
11	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps DP (TB/5S) on prepared board as required (S.NO.204,P.NO.31) SR-2012	9	Per No.	2456	22,104
12	Providing and laying (MAIN or SUB MAIN)PVC insulated with size 2-7/.044 (6mm) Copper conductor in 1" dia PVC conduit on surface (S.NO.5, P.NO.1) SR-2012	63	P.Meter	305	19,215
13	Providing & fixing three pin 10/15amp plug & socket (S.NO.224,P.NO.33) SR-2012	45	Per No.	151	6,795
	Sub-Total				706,504
	Add Govt. Premium @ 10% on SR-2012				70,650
	Add Premium Quoted by the Contractor.....%Above.....Below				
	Total(A)				

Part II -Non Schedule Items					
1	Providing & Fixing A.C ceiling fan regulator (Heavy) on S.W board by making all necessary connections, complete in all respects.	40	Each		
2	Providing & fixing flush type electric bell push button with box & necessary connections, complete in all respects.	9	Each		
3	Providing & Fixing LED Flood Light 100 Watts on movable Stand as required (Recommended: Orient, OSAKA, Smart, Watson or equivalent).	9	Each		
4	Providing & Fixing Teddy Switch Porcelain Type (20A) Suitable for Electric Motor/Water Pump fixed on prepared board as required, complete in all respects.	9	Each		
5	Providing & Fixing Capsule Lights of good quality with energy saver (23W) by making all the necessary connections laid already at the location. Recommended Energy Saver: Philips/ SOGO or equivalent.	36	Each		
6	Providing & Fixing AC or DC Electric Bell 200/250 volts by making all the necessary connections, complete in all respects	9	Each		
7	Providing & Fixing main panel board (16 SWG) double shutter to accommodate heavy duty circuit breaker, bus bars including painting	12.87	Sq. Ft.		
	Total (B)				
	Grand Total (A+B)				

<u>SUMMARY OF COST</u>		
<u>Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana</u>		
S.#	DESCRIPTION	AMOUNT
03	Type-F Quarters	
A	Civil Works	
1	PART-I (CIVIL WORK) SCHEDULE ITEMS-2012	
2	PART-II (CIVIL WORK) NON-SCHEDULE	
B	Plumbing Works	
1	PART-I PLUMBING WORK SCHEDULE ITEMS-2012	
2	PART-II PLUMBING WORK NON SCHEDULE	
3	Difference of Material: Interim Relief	2,462,165
	SUB TOTAL AMOUNT CIVIL WORK (A+B)	
C	Electrical Work	
01	PART-I Electrical Work CSR-2012	
02	PART-I Electrical Work Non-Schedule Items	
	SUB TOTAL AMOUNT ELECTRICAL WORK (C)	
	TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	
	Add: SRB 5.0%	
	GRAND TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.#	Description	Qty	Unit	Rate (Rs.)	Total (Rs.)
3	Type-F Quarters				
	Part-I: Civil Work) Schedule Item 2012				
1	Rehandling of earth work up to lead of 50'ft (9b-P-02)	5017.81	0%Cft	1,058.75	5,313
2	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and strengthening of the same (20-P-10)	7602.76	%Cft	5,445.00	413,970
3	Removing cement plaster (53-p13)	9081.00	%Sft	121.00	10,988
4	Dismantling C.C plain 1:3:6 (19b-P10)	6872.80	%Cft	1,306.80	89,814
5	Removing Doors with Chowkets (33a-P12)	44.00	P.No	142.18	6,256
6	Removing Windows & sky Light with Chowkets.(33B-P12)	18.00	P.No	102.85	1,851
7	RCCwork in roof slab beams columns rafts,lintels and other structure members laid in site or presast ;laid in position complete in all respects .(1) Ratio (1:2:4) 90 lbs cement 2 cft sand 4cft shingle 1/8" to 1/4" gauge(6a-P16)	89.10	P.Cft	309.78	27,601
8	Fabrication of mild steel reinforcement for concrete including cutting bending laying in position ,making joints and fastenings including cost of binding wire (also including removal of rust from bars.) (8,p16)	5.571	P.Cwt	5001.70	27,864
9	P/L Dobule layer of polythene sheet 0.13 mm thick for water proffing as per specification and instruction of engineer(38-p37)	13572.00	P.Sft	21.40	290,441
10	Single layer of tiles 9" x4 1/2" x 2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R.C.C slab provide with 34 Lbs. Bitumen coating sand blinded.(05-P/34)	13572.00	%Sft	5,310.35	720,721
11	Fixing water spout or parnal (37,p37)	54.00	Each	211.75	11,435
12	Extra Labour rate for making cement plaster patts/band around straight or carved opening and around the edges of roof slab the width not less than 6" with fine finishing as directed by Engineer Incharge.(35-P-54)	1980.00	P.Rft	19.36	38,333
13	Pacca brick work in ground floor in (5e-p20)	3211.92	%Cft	12,674.36	407,090
14	Applying floating coat of cement 1/32" thick (14-p52)	9081.00	%Sft	660.00	59,935
15	Cement plaster 1/2" 1:6 upto 12' height (13b-p51)	9081.00	%Sft	2,206.60	200,381
16	Cement plaster 3/8" 1:4 upto12' height (11a,p51)	9081.00	%Sft	2,197.52	199,557
17	Dry rammed brick or stone ballast 1 1/2" to 2" gauge.(02-P,15)	8860.88	%Cft	3,327.50	294,846
18	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. 1:4:8 (04b-P15)	6712.82	%Cft	9,416.28	632,098

19	Providing and laying 3" thick topping cement concret (1:2:4) including surface finshing and dividing in to panles 2" thick (16c-P41)	34775.21	%Sft	4,411.82	1,534,220
20	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and square bars 4" center to center with looking arrangment (24-P-92)	252.00	P.Sft	726.72	183,133
21	Laying Floor of approved coloured glazed tile 1/4" thick laid in white cement & pigment on bed of 3/4" thick cement mortar 1:2 (25-p-42)	1884.00	%Sft	27,747.06	522,755
22	Glazed tile 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick i/c finshing (38-P45)	3907.00	%Sft	28,299.30	1,105,654
23	Supplying and filling sand under floor and plugging in walls.(29-P,26)	14477.31	%Cft	1,141.25	165,222
24	Providing and fixing G.I frames /Choukhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet I/c welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also i/c all carriage , tools and plants used in making and fixing.(29-P,93)	927.00	P.Rft	228.90	212,190
25	Painting New Surface Doors and Windows 03 coats (5-c-P69)	6087.00	%Sft	1,489.68	90,677
26	Painting guard bars, gate iron bars gratings , railings including standard braces (etc) and similar open work (4dii-P,)	23879.50	%Sft	674.60	161,091
Sub Total Amount Part-I					7,413,435
Quoted Rate Premium Above/Below -----%					
Sub Total Amount Part-I					

BILL OF QUANTITES					
Part-II Civil Work Non-Schedule					
<u>Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana</u>					
S.#	Description	Qty	Unit	Rate	Total (Rs.)
3	Type-F Quarters				
	Part-II: (Civil Work) Non Schedule Items				
1	Supplying Erection and Fixing rolled steel girders good quality therate include the rate of material and its labour, without painting (N.S.I)	283.988	P.Cwt		
2	Supplying Erection and Fixing rolled steel T-Iron Bars good quality therate include the rate of material and its labour, without painting (N.S.I)	425.415	P.Cwt		
3	1st class kail wood wrought, joinery in doors and windows etc, fixed in position hold fastes hinges, iron tower bolts, chocks, handles and cords with hooks, etc panelled or panelled and glazed, or fully glazed 1 3/4" thick (only shutter) N.S.I	1263.00	P.Sft		
4	Providing and laying 12"x 6"x1/2" thick Marble Tiles Floor for Roof Treatment of approved size,design and quality set in cement sand mortar 1:2 in grey cement 3/4" thick including washing and filling the joints with white cement slurry using colour pigment for matching, including levelling and curing etc, complete as per specification and as directed by the Engineer Incharge. (NSI)	13572.00	P.Sft		
	Total Amount N.S.I Part-II (Civil Work)				

BILL OF QUANTITES					
PLUMBING WORK (Part-B)					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.#	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
3	Type-F Quarters				
	Part-I Plumbing Works CSR-2012				
1	Providing and fixing squatting type white glazed earthenware W.C. Pan with front inlet & complete with including the cost of flushing cistern with internal fittings and flush pipe with holes in wall plinth and floor with the Pipe connection & Making good in cement concrete 1:2:4 (Foreign Equivalent) A). W.C Pan 23" and low level earthen ware flush tank 3 gallon with 4" dia white glazed earthen ware tap and plastic thimble (S.I No.1a,Page-1)	8	Each	5772.80	46,182
2	24" x 18" Lavatory Basin in white glazed earthen ware complete with and including the cost of W.I or C.I cantilever 6 inches built into walls, painted white in two coats after primary coat of red lead paint a pair of 1/2" die rubber plig an chrome placed brass chain 1-1/4" dia, melloable iron or brass unions and making requisite number of holes in wall plinth and floor for Pipe connections and making good in cement concrete 1:2:4 (foreign or Equivalent) Counter type Basin.(13-P,4)	14.0	Each	6,237.00	87,318
3	Supplying & fixing wash Basin mixture of superior quality with c.p head 1/2" dia (Item No. 14 (a) Page 19)	14.0	Each	2,882.00	40,348
3	Providing & fixing steel sink stainless local make complete with cast iron or wraught iron brackets 6 inchs built in wall 1-1/2" c.p bubbler plug chrome plated brass chain 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4 (19c-P,6)	9.0	Each	5,712.30	51,411
4	Supplying & fixing wash sink mixture cock of superior quality with c.p head etc complete (Item No.74-P,19)	9.0	Each	2,745.60	24,710
5	Providing & fixing ball valve (with unsoldered) made to B.B S 1212 Dia 1" (6iii-P,18)	18.0	Each	315.84	5,685
6	Providing & fixing ball valve (with unsoldered) made to B.B S 1212 Dia 1 1/4"" (6iv-P,18)	9.0	Each	510.84	4,598
7	Supplying & fixing concealed tee stop cock of superior quality with cc, p head 1/2" dia (Item No. 12 (a) Page 18)	53.0	Each	843.92	44,728
8	Supply and fixing long neck bib cock of superior quality with c.p. head 1/2" dia (Item No. 13 Page 19)	53.0	Each	1109.46	58,801

9	Providing & fixing in position nylon connection complete with 1/2" dia, brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I.No.23b-P6)	28.0	Each	447.15	12,520
10	Supplying & fixing fibre glass tank of approved quality and design and wall thickness as specified I/c Cost of nuts ,bolts and fixing in plateform of cement concrete 1:3:6 and makin connections for in let,& out let over flow pipes etc .complete 350 gallons wall thickness 4.0 mm (3b,p21)(S.I.No.3b-P21)	9.0	Each	30,773.42	276,961
11	Providing Chambers (15"x19"inside dimension) 24" deep for house meters with 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:3 to all inside wall surface and top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concrete 1:2:4. I/c curing exevationback filling & disposal of surplus earth etc. (S.I.No/02-P/20)	34.0	Each	5,913.22	201,049
Sub Total Amount Part-I				854,312	
Quoted Rate Premium Above/Below -----%					
Sub Total Amount Part-I					
Part-II N.S.I Plumbing work					
1	P/F Upvc Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 3/4" Dia	620	Rft		
2	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Meterial etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 1" Dia	260	Rft		

3	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 1-1/4" Dia	180.0	Rft		
4	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 4" Dia	440.0	Rft		
5	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 6" Dia	720.0	Rft		
6	P/F Band /Elbow (90degree) of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately,using approved adhesive compound (or WELDON ,made in USA ,in ORANGE colour) upto 60' ft height as per instruction of the Engineer Incharge Specifications of the material should meet the requirements of class 12454 -B in accordance Incharge , Specification of the material should meet the requirements of material , cartage , scaffolding / ladders etc. complete (N.S.I) 4" Dia	18	Each		

7	P/F TEE of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately, using approved adhesive compound (or WELDON, made in USA, in ORANGE colour) upto 60' ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454 -B in accordance With the ASTM-D _ 1784 type 1 grade TEE 1. Rate Includes all Costs of Labour , material cartage (N.S.I) 4" Dia	18	Each		
8	P/F COUPLING/SOCKET of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately, using approved adhesive compound (or WELDON, made in USA, in ORANGE colour) upto 60' ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454 -B accor with the ASTM-D_1784 Type 1 grade TEE 1. Rate Includes all Costs of labour ,material cartage,scaffo ladders etc complete 4" Dia	18	Each		
9	P/F UPVC P- Trap W/Elbow (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make o and design of various fixed to UPVC pipe / fittings paid separately, using approved adhesiv (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge. Specifications of the metrial should meet to requirements of class 12454-B in accor the ASTM-D- 1784 type 1 grade 1. rate includes all costs of labour, material cartage scaffolding / ladders etc (N.S.I) 4" Dia	81	Each		
10	P/F UPVC WYE (Y) (45 degree) of SCH-40 PVC of NAMAT OR EQUIVALENT make of appro and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge, Specifications of the material should meet the requirements of class 12454-B in accor the ASTM -D- 1 grade 1. Rate include all costs of labour, material cartage, scaffolding / adders etc complete (N.S.I). 4" Dia	18	Each		
11	P/F UPVC PLUG ELBOW (45 degree) of SCH-40 PVC of NAMAT OR EQUIVLAENT make of and design of verious sizes fixed to UPVC pipe / fittings paid separately using approved adhesiv (AGM or WELDON, made USA in ORANGE colour) upto 60 ft height as per instruction of the Incharge, Specifications of the material should meet the requirements of class 12454-B in accor scaffolding / ladders etc complete (N.S.I) 4"DIA	18	Each		

12	P/F UPVC PLUG TEE of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive compound (specifications of the material should meet the requirements of class 12454-B in accordance with ASTM-D- 1784 type 1 grade 1. Rate include all costs of labour, material cartage, scaffolding ladders etc complete (N.S.I) 4" Dia	18	Each		
13	P/F COMPACTE BALL VALVE of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved and design of various sizes fixed to UPVC pipe / fitting paid separately , using approved adhesive (AGM or WELDON, make in USA, in ORANGE colour) upto 60ft height as per instruction of the Incharge, Specifications of the material should meet the requirements of class 12454-B in accor, the ASTM-D- 1784 type 1 grade 1 . Rate including all costs labour, material cartage, scaffolding / ladders etc complete (N.S.I) 1-1/4" Dia	18	Each		
	Sub-Total Part-II Non-Schedule Items (Plumbing Work) NSI				

ELECTRICAL WORK

<u>BILL OF QUANTITES (BOQ's)</u>					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.#	Description	Qty	Unit	Rate	Amount
3	Type-F Quarters				
Part A -Schedule Items					
1	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.129,P.NO.15) SR-2012	180	P.Point	910	163,800
2	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.130,P.NO.15) SR-2012	45	P.Point	742	33,390
3	Providing & fixing two pin 5amp plug & socket flush type (S.No.225, P.No.33) SR-2012	54	Per No.	83	4,482
4	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.029 Copper conductor in 3/4" dia PVC conduit on surface (S.NO.3, P.NO.1) SR-2012	1080	P.Meter	171	184,680
5	Providing and laying MAIN or SUB MAIN) PVC insulated with size 2-7/.052 (10mm ²) Copper conductor in 1" dia PVC conduit on surface (S.NO.6, P.NO.1) SR-2012	450	P.Meter	428	192,600
6	Providing & fixing Brass Battern holder (S.NO.232,P.NO.33) SR-2012	88	Per No.	70	6,160
7	Providing & fixing one way SP 5amp switch flush type (S.NO.219,P.NO.33) SR-2012	180	Per No.	54	9,720
8	Providing & fixing Bakelite ceiling rose with two terminals (S.NO.228,P.NO.33) SR-2012	36	Per No.	72	2,592
9	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps SP (TB/5S) on prepared board as required (S.NO.203,P.NO.31) SR-2012	45	Per No.	916	41,220
10	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps DP (TB/5S) on prepared board as required (S.NO.204,P.NO.31) SR-2012	9	Per No.	2456	22,104
11	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.044 (6mm) Copper conductor in 1" dia PVC conduit on surface (S.NO.5, P.NO.1) SR-2012	54	P.Meter	305	16,470
12	Providing & fixing three pin 10/15amp plug & socket (S.NO.224,P.NO.33) SR-2012	45	Per No.	151	6,795
	Sub-Total				684,013
	Add Govt. Premium @ 10% on SR-2012				68,401.30
	Add Premium Quoted by the Contractor.....%Above.....Below				
	Total (A)				

Part B -Non Schedule Items					
1	Providing & Fixing A.C ceiling fan regulator (Heavy) on S.W board by making all necessary connections, complete in all respects.	36	Each		
2	Providing & fixing flush type electric bell push button with box & necessary connections, complete in all respects.	9	Each		
3	Providing & Fixing LED Flood Light 100 Watss on movable Stand as required (Recommended: Orient, OSAKA, Smart, Watson or equivalent).	9	Each		
4	Providing & Fixing Teddy Switch Porcelain Type (20A) Suitable for Electric Motor/Water Pump fixed on prepared board as required, complete in all respects.	9	Each		
5	Providing & Fixing Capsule Lights of good quality with energy saver (23W) by making all the necessary connections laid already at the location. Recommended Energy Saver: Philips/ SOGO or equivalent.	36	Each		
6	Providing & Fixing AC or DC Electric Bell 200/250 volts by making all the necessary connections, complete in all respects	9	Each		
7	Providing & Fixing main panel board (16 SWG) double shutter to accommodate heavy duty circuit breaker, bus bars including painting	12.87	Sq. Ft.		
	Total (B)				
	Grand Total (A+B)				

<u>SUMMARY OF COST</u>		
<u>Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana</u>		
S.#	DESCRIPTION	AMOUNT
04	Type-H Quarters	
A	Civil Works	
1	PART-I (CIVIL WORK) SCHEDULE ITEMS-2012	
2	PART-II (CIVIL WORK) NON-SCHEDULE	
B	Plumbing Works	
1	PART-I PLUMBING WORK SCHEDULE ITEMS-2012	
2	PART-II PLUMBING WORK NON SCHEDULE	
3	Difference of Material: Interim Relief	466,020
	SUB TOTAL AMOUNT CIVIL WORK (A+B)	
C	Electrical Work	
01	PART-I Electrical Work CSR-2012	
02	PART-I Electrical Work Non-Schedule Items	
	SUB TOTAL AMOUNT ELECTRICAL WORK (C)	
	TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	
	Add: SRB 5.0%	
	GRAND TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.N	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
04	Type- H Quarters				
	Part-I: (Civil Work) Schedule Items 2012				
1	Rehandling of earth work (9b-P02)	998.10	%Cft	1058.57	1,057
2	Dismantling concrete reinforced separating reinforcement from concrete cleaning and strengthening of the same (20-P-10)	499.05	%Cft	5,445.00	27,173
3	Dismantling brick work in lime or Mortar (12-P-10)	696.00	%Cft	1285.63	8,948
4	Pacca brick work in ground floor in (5e-p20)	2142.46	%Cft	12,674.36	271,543
5	Second class tile roofing consisting of 4" earth and 1" mud plaster with Gobi leaping over 1/2" thick cement plaster 1:6 with 34 Lbs. Of hot bitumen coating sand blinded, provided over one layer of 12" x 6" x 2" tiles laid in 1:6 cement mortar including 1:2 cement pointing underneath of tiles complete including curing etc.(02-P/33)	1126.53	%Sft	7,607.25	85,698
6	P/L Double layer of polythene sheet 0.13 mm thick for water proofing as per specification and instruction of engineer(38-p37)	1126.53	P.Sft	21.40	24,108
7	RCC work in roof slab beams columns, rafts, lintels and other structure members laid in site or presast laid in position complete in all respects(1) Ratio (1:2:4) 90 lbs cement 2 Cft sand 4 Cft shingle 1/8" to 1/4" gauge.(6b (II)-P16)	15.00	P.Cft	309.78	4,647
8	Fabrication of mild steel reinforcement for concrete including cutting bending laying in position ,making joints and fastenings including cost of binding wire (also including removal of rust from bars.)(8,p16)	1.19	P.Cwt	5001.7	5,957
9	Extra Labour rate for making cement plaster pattas /band around straight or curved openings and around the edges of roof slab the width not less than 6" with fine finishing as directed by engineer Incharge (35-P-54)	430.72	P.Rft	19.36	8,339
10	Cement pointing 1:2 flush on floor (18-P,53)	1126.53	%Sft	39.57	10,585
11	Fixing water spout or parnal (37,p37)	8.00	Each	211.75	1,694
12	Removing cement plaster lime plaster (53-P15)	8497.37	%Sft	121.0	10,282
13	Removing Doors with Chowkets (33a-P12)	10.00	P.No	142.18	1,422
14	Removing Windows & sky Light with Chowkets (33B-P12)	6.00	P.No	102.85	617
15	Applying floating coat of cement 1/32" thick (14-p52)	12659.37	%Sft	660.00	83,552
16	Cement plaster 1/2" 1:6 upto 12' height (11a-p51)	12659.37	%Sft	2,206.60	279,342
17	Cement plaster 3/8" 1:4 upto 12' height (13b,p51)	12659.37	%Sft	2,197.52	278,192
18	Dry rammed brick or stone ballast 1 1/2" to 2" gauge.(02-P,15)	400.15	%Cft	3,327.50	13,315
19	Cement concrete brick or stone ballast 1 1/2" to 2" gauge 1:4:8 (4b-P-14)	400.15	%Cft	9416.28	37,680
20	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels 2" thick (16c-P41)	1212.59	%Sft	3,275.50	39,718
21	Supplying and Fixing G.I Frames/Choukhats of size 7"x2" or 4-1/2"x3" (29,Page92)	278.00	P.Rft	228.90	63,634

22	Laying Floor of approved coloured glazed tile 1/4" thick laid in white cement & pigment on bed of 3/4" thick cement mortar 1:2 (25-p-42)	214.48	%SFt	27,747.06	59,512
23	White glazed tile 1/4" thick dado joints in white cement and laid over 1:2 cement sand mortar 3/4" thick i/c finshing (37-P44)	391.87	%SFt	28,253.61	110,717
	Sub Total Amount Part-I				
	Quoted Rate Premium Above/Below -----%				
	Sub Total Amount Part-I				

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
Part-II Civil Work Non-Schedule					
S.#	Description	Qty	Unit	Rate (Rs.)	Total (Rs.)
4	Type- H Quarters				
	Part-II: (Civil Work) Non- Schedule Items				
1	Supplying Erection and Fixing rolled steel girders good quality therate include the rate of material and its labour, without painting (N.S.I)	12.988	P.Cwt		
2	Supplying Erection and Fixing rolled steel T-Iron Bars good quality therate include the rate of material and its labour, without painting (N.S.I)	17.220	P.Cwt		
3	1st class kail wood wrought, joinery in doors and windows etc, fixed in position hold fastes hinges, iron tower bolts, chocks, handles and cords with hooks, etc panelled or panelled and glazed, or fully glazed 1 3/4" thick (only shutter) N.S.I	168.00	P.Sft		
	Total Amount N.S.I Part-II NSI (Civil Work)				

BILL OF QUANTITES

**Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of
SMBB Medical University, Larkana**

PLUMBING WORK (Part-B)

Item	Description	Qty	Unit	Rate(Rs.)	Amount (Rs.)
4	Type- H Quarters				
	Part-II Plumbing Work CSR-2012				
1	Providing and fixing squatting type white glazed earthenware W.C. Pan with front inlet & complete with including the cost of flushing cistern with internal fittings and flush pipe with holes in wall plinth and floor with the Pipe connection & Making good in cement concrete 1:2:4 (Foreign Equivalent) A). W.C Pan 23" and low level earthen ware flush tank 3 gallon with 4" dia white glazed earthen ware tap and plastic thimble (1a-P,1)	2.0	Each	5772.80	11,546
2	Supplying /Fixing swan type pillar cock of superior quality with crystal head 1/2" dia (16a-P,19)	2.0	Each	877.80	1,756
3	Supplying /Fixing jet shower with rod of superior quality single c.p head. 1/2" dia (15-P,19)	2.0	Each	1142.24	2,284
4	Supplying and fixing sink mixture cock superior quality with c.p head etc complete (17-P,19)	2.0	Each	2745.6	5,491
5	Providing & fixing steel sink stainless local make complete with cast iron or wraught iron brackets 6 inches built in wall 1-1/2" c.p rubber plug chrome plated brass chain 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4 (19c-P,6)	2.0	Each	5,712.30	11,425
6	Providing & fixing in position nylon connection complete with 1/2" dia, brass stop cock with pair of brass nuts and lining joints to nylon connection (S.I.No.23b-P6)	4.0	Each	447.15	1,789
7	Providing & fixing ball valve (with unsoldered) made to B.B S 1212 Dia 3/4" (6iii-P,18)	4.0	Each	290.84	1,163
8	Supplying & fixing wash Basin mixture of superior quality with c.p head 1/2" dia (Item No.14 (a) Page 19)	2.0	Each	2,882.00	5,764
9	Supplying & fixing concealed tee stop cock of superior quality with cc, p head 1/2" dia (S-12 (a) P,18)	6.0	Each	843.92	5,064
10	Supply and fixing long neck bib cock of superior quality with c.p. head 1/2" dia (S-13 P,19)	6.0	Each	1109.46	6,657
11	Supplying and Fixing fibre glass tank of approved quality and design and wall thickness as specified i/c cost of nuts,bolts and fixing in plateform of cement concrete 1:3:6 and making connections for inlet and outlet and overflow pipes etc Complete (3b-P,21)	2.0	Each	30,773.42	61,547
12	Providing Chambers (15"x19"inside dimension) 24" deep for house meters with 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:3 to all inside wall surface and top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixed in cement concrete 1:2:4. I/c curing exevationback filling & disposal of surplus earth etc. (S.I.No/02-P/20)	2.0	Each	5,913.22	11,826
	Sub Total Part-I (Plumbing Work)				126,311
	Quoted Rate Premium Above/Below -----%				
	Sub Total Part-I (Plumbing Work)				

Part-II Plumbing Work Non Schedule					
1	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 3/4" Dia	80.0	P.Rft		
2	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 1" Dia	40.0	P.Rft		
3	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 4" Dia	80.0	P.Rft		
4	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 6" Dia	40.0	P.Rft		
5	P/F Band /Elbow (90degree) of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately,using approved adhesive compound (or WELDON ,made in USA ,in ORANGE colour) upto 60' ft height as per instruction of the Engineer Incharge Specifications of the material should meet the requirements of class 12454 -B in accordance Incharge , Specification of the material should meet the requirements of material , cartage , scaffolding / ladders etc. complete (N.S.I) 4" Dia	8.0	Each		

6	P/F TEE of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately, using approved adhesive compound (or WELDON, made in USA, in ORANGE colour) upto 60' ft height as per instruction of the Engineer Incharge. Specifications of the material should meet the requirements of class 12454-B in accordance With the ASTM-D _ 1784 type 1 grade TEE 1. Rate Includes all Costs of Labour , material cartage (N.S.I) 4" Dia	4.0	Each		
7	P/F UPVC P- Trap W/Elbow (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make o and design of various fixed to UPVC pipe / fittings paid separately, using approved adhesive (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge. Specifications of the metrial should meet to requirements of class 12454-B in accor the ASTM-D- 1784 type 1 grade 1. rate includes all costs of labour, material cartage scaffolding / ladders etc (N.S.I) 4" Dia	12.0	Each		
8	P/F UPVC WYE (Y) (45 degree) of SCH-40 PVC of NAMAT OR EQUIVALENT make of appro and design of various sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge, Specifications of the material should meet the requirements of class 12454-B in accor the ASTM -D- 1.grade1.Rate include all costs of labour, material cartage, scaffolding / adders etc complete (N.S.I). 4" Dia	4.0	Each		
Sub-Total Part-II Non-Schedule Items (Plumbing Work) NSI					

ELECTRICAL WORK

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S. #	Description	Qty	Unit	Rate	Amount
04	Type-H Quarters				
Part I -Schedule Items 2012					
1	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.129,P.NO.15) SR-2012	50	P.Point	910	45,500
2	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.130,P.NO.15) SR-2012	16	P.Point	742	11,872
3	Providing & fixing two pin 5amp plug & socket flush type (S.No.225, P.No.33) SR-2012	16	Per No.	83	1,328
4	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.029 Copper conductor in 3/4" dia PVC conduit on surface (S.NO.3, P.NO.1) SR-2012	180	P.Meter	171	30,780
5	Providing and laying MAIN or SUB MAIN) PVC insulated with size 2-7/.052 (10mm ²) Copper conductor in 1" dia PVC conduit on surface (S.NO.6, P.NO.1) SR-2012	140	P.Meter	428	59,920
6	Providing & fixing Brass Battern holder (S.NO.232,P.NO.33) SR-2012	20	Per No.	70	1,400
7	Providing & fixing one way SP 5amp switch flush type (S.NO.219,P.NO.33) SR-2012	50	Per No.	54	2,700
8	Providing & fixing Bakelite ceiling rose with two terminals (S.NO.228,P.NO.33) SR-2012	12	Per No.	72	864
9	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps SP (TB/5S) on prepared board as required (S.NO.203,P.NO.31) SR-2012	10	Per No.	916	9,160
10	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps DP (TB/5S) on prepared board as required S-204,P-31) SR-2012	2	Per No.	2456	4,912
11	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.044 (6mm) Copper conductor in 1" dia PVC conduit on surface (S.NO.5, P.NO.1) SR-2012	20	P.Meter	305	6,100
12	Providing & fixing three pin 10/15amp plug & socket (S.NO.224,P.NO.33) SR-2012	14	Per No.	151	2,114
Sub-Total					176,650
Add Govt. Premium @ 10% on SR-2012					17,665
Add Premium Quoted by the Contractor.....%Above.....Below					
Total (A)					

Part II -Non Schedule Items					
1	Providing & Fixing A.C. or D.C. Electric Bell 200/250 volts by making all the necessary connections, complete in all respects.	2	Each		
2	Providing & Fixing A.C ceiling fan regulator (Heavy) on S.W board by making all necessary connections, complete in all respects.	8	Each		
3	Providing & fixing flush type electric bell push button with box & necessary connections, complete in all respects.	2	Each		
4	Providing & Fixing Teddy Switch Porcelain Type (20A) Suitable for Electric Motor/Water Pump fixed on prepared board as required, complete in all respects.	2	Each		
5	Providing & Fixing Capsule Lights of good quality with energy saver (23W) by making all the necessary connections laid already at the location. Recommended Energy Saver: Philips/ SOGO or equivalent.	8	Each		
6	Providing & Fixing mini street light of good quality with energy saver (23W) local made. Recommended Energy Saver: Philips or equivalent with all necessary connections as required.	2	Each		
7	Providing & Fixing main panel board (16 SWG) double shutter to accommodate heavy duty circuit breaker, bus bars including painting	4	Sq. Ft.		
Total (B)					
Grand Total (A+B)					

<u>SUMMARY OF COST</u>		
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana		
S.#	DESCRIPTION	AMOUNT
5.0	Type-I Quarters	
A	Civil Works	
1	PART-I (CIVIL WORK) CSR-2012	
2	PART-II (CIVIL WORK) NON-SCHEDULE	
B	Plumbing Work	
1	PART-I Plumbing Work BOQ Items CSR-2012	
2	PART-II Plumbing Work BOQ Non-Schedule Items	
3	Difference of Material: Interim Relief	895,565
	SUB TOTAL AMOUNT CIVIL WORK (A+B)	
C	Electrical Work	
01	PART-I Electrical Work CSR-2012	
02	PART-I Electrical Work Non-Schedule Items	
	SUB TOTAL AMOUNT ELECTRICAL WORK (C)	
	TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	
	Add: SRB 5.0%	
	GRAND TOTAL AMOUNT CIVIL & ELECTRICAL WORK (A+B+C)	

BILL OF QUANTITES

**Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of
SMBB Medical University, Larkana**

S. N	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
5	Type-I Quarters				
	Part-I (Civil Work) Schedule Items 2012				
1	Rehandling of earth work (9b-P02)	2451.00	%0Cft	1058.57	2,595
2	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and strengthening of the same (20-P-10)	1021.25	%Cft	5,445.00	55,607
3	Dismantling brick work in lime or Mortar (12-P-10)	1350.00	%Cft	1285.63	17,356
4	Pacca brick work in ground floor in (5e-p20)	3205.28	%Cft	12,674.36	406,248
5	Single layer of tiles 9" x4 1/2" x 2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R.C.C slab provide with 34 Lbs. Bitumen coating sand blinded.(05-P/34)	2395.00	%Sft	5,310.35	127,183
6	P/L Double layer of polythene sheet 0.13 mm thick for water proofing as per specification and instruction of engineer(38-p37)	2395.00	P.Sft	21.40	51,253
7	RCC work in roof slab beams columns, rafts, lintels and other structure members laid in site or presast laid in position complete in all respects(1) Ratio (1:2:4) 90 lbs cement 2 Cft sand 4 Cft shingle 1/8" to 1/4" gauge.(6b (II)-P16)	277.50	P.Cft	309.78	85,964
8	Fabrication of mild steel reinforcement for concrete including cutting bending laying in position ,making joints and fastenings including cost of binding wire (also including removal of rust from bars.)(8,p16)	15.63	P.Cwt	5001.7	78,174
9	External Labour rate for making cement plaster pattas /band around straight or curved openings and around the edges of roof slab the width not less than 6" with fine finishing as directed by engineer Incharge (35-P-54)	1076.80	P.Rft	19.36	20,847
10	Cement pointing 1:2 flush on floor (18-P,53)	2395.00	%Sft	939.57	22,503
11	Fixing water spout or parnal (37,p37)	30.00	Each	211.75	6,353
12	Removing cement plaster lime plaster (53-P15)	6412.50	%Sft	121.0	7,759
13	Removing Doors with Chowkets (33a-P12)	20.00	P.No	142.18	2,844
14	Removing Windows & sky Light with Chowkets (33B-P12)	10.00	P.No	102.85	1,029
15	Applying floating coat of cement 1/32" thick (14-p52)	11332.50	%Sft	660.00	74,795
16	Cement plaster 1/2" 1:6 upto 12' height (13b-p51)	11332.50	%SFt	2,206.60	250,063
17	Cement plaster 3/8" 1:4 upto 12' height (11a,p51)	11332.50	%Sft	2,197.52	249,034
	Dry rammed brick or stone ballast 1 1/2" to 2" gauge.(02-P,15)	1017.78	%Cft	3,327.50	33,867
20	Cement concrete brick or stone ballast 1 1/2" to 2" gauge 1:4:8 (4b-P-14)	1343.47	%Cft	9416.28	126,505

21	Providing and laying 2" thick topping cement concret (1:2:4) including surface finshing and dividing in to panles 2" thick (16c-P41)	4071.14	%Sft	3,275.50	133,350
22	Supplying and Fixing G.I Frames/Choukhats of size 7"x2" or 4-1/2"x3" (29,Page92)	612.50	P.Rft	228.90	140,201
23	Laying Floor of approved coloured glazed tile 1/4" thick laid in white cement & pigment on bed of 3/4" thick cement mortar 1:2 (25-p-42)	591.00	%SFT	27,747.06	163,985
24	White glazed tile 1/4" thick dado joints in white cement and laid over 1:2 cement sand mortar 3/4" thick i/c finishing (37-P44)	2184.00	%SFT	28,253.61	617,059
25	Aluminium wire guaze fixed to chowkets with 3/4" dedoar strips and screws. (14-d-P57)	192.00	P.Sft	104.15	19,997
26	Providing and fixing with sunk iron screws wooden Architrave approved design/shape having width not less than 2-1/2" inches as directed by Engineer Incharge (60,Page-66)	510.00	P.Rft	49.97	25,485
27	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and square bars 4" center to center with looking arrangment (24-P-92)	140.00	P.Sft	726.72	101,741
28	Supplying and filling sand under floor and plugging in walls.(29-P,26)	12213.41	%Cft	1,141.25	139,385
	Sub Total Amount Part-I				2,961,179
	Quoted Rate Premium Above/Below -----%				
	Sub Total Amount Part-I				

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
Part-II Civil Work Non-Schedule					
S.#	Description	Qty	Unit	Rate (Rs.)	Total (Rs.)
5	Type-I Quarters				
	Part-II: (Civil Work) Schedule Items				
1	Supplying Erection and Fixing rolled steel girders good quality therate include the rate of materialand its labour, without painting (N.S.I)	38.1764	P.Cwt		
2	Supplying Erection and Fixing rolled steel T-Iron Bars good quality therate include the rate of materialand its labour, without painting (N.S.I)	47.1302	P.Cwt		
3	1st class kail wood wrought, joinery in doors and windows etc, fixed in position hold fastes hinges, iron tower bolts, chocks, handles and cords with hooks, etc panelled or panelled and glazed, or fully glazed 1 3/4" thick (only shutter) N.S.I	385.00	P.Sft		
4	Providing and laying 12"x 6"x1/2" thick Marble Tiles Floor for Roof Treatment of approved size,design and quality set in cement sand mortar 1:2 in grey cement 3/4" thick including washing and filling the joints with white cement slurry using colour pigment for matching, including levelling and curing etc, complete as per specification and as directed by the Engineer Incharge. NSI	2395.00	P.Sft		
	Total Amount N.S.I Part-II (Civil Work)				

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
PLUMBING WORK (Part-B)					
S.#	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
5	Type-I Quarters				
	Part-I Plumbing Wor CSR-2012				
1	Providing and fixing squatting type white glazed earthenware W.C. Pan with front inlet & complete with including the cost of flushing cistern with internal fittings and flush pipe with holes in wall plinth and floor with the Pipe connection & Making good in cement concrete 1:2:4 (Foreign Equivalent) A). W.C Pan 23" and low level earthen ware flush tank 3 gallon with 4" dia white glazed earthen ware tap and plastic thimble (1a-P,1)	5.0	Each	5772.80	28,864
2	Supplying /Fixing swan type pillar cock of superior quality with crystal head 1/2" dia (16a-P,19)	10.0	Each	877.80	8,778
3	Supplying /Fixing jet shower with rod of superior quality single c.p head. 1/2" dia (15-P,19)	10.0	Each	1142.24	11,422
4	Suppling and fixing sink mixure cock superior quality with c.p head etc complete (17-P,19)	10.0	Each	2745.6	27,456
5	Providing & fixing steel sink stainless local make complete with cast iron or wraught iron brackets 6 inchs built in wall 1-1/2" c.p rubber plug chrome plated brass chain 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4 (19c-P,6)	5.0	Each	5,712.30	28,562
6	Providing & fixing in position nylon connection complete with 1/2" dia, brass stop cock with pair of brass nuts and lining joints to nyloon connection (S.I.No.23b-P6)	10.0	Each	447.15	4,472
7	Providing & fixing ball valve (with unsoldered) made to B.B S 1212 Dia 3/4" (6iii-P,18)	10.0	Each	290.84	2,908
3	Supplying & fixing wash Basin mixture of superior quality with c.p head 1/2" dia (Item No. 14 (a) Page 19)	5.0	Each	2,882.00	14,410
4	Supplying & fixing concealed tee stop cock of superior quality with cc, p head 1/2" dia (S-12 (a) Page 18)	20.0	Each	843.92	16,878
5	Supply and fixing long neck bib cock of superior quality with c.p. head 1/2" dia (Item No. 13 Page 19)	20.0	Each	1109.46	22,189
6	Supplying and Fixing fibre glass tank of approved quality and design and wall thickness as specified i/c cost of nuts,bolts and fixing in plateform of cement concrete 1:3:6 and making connections for inlet and outlet and overflow pipes etc Complete (3b-P,21)	5.0	Each	30,773.42	153,867
7	Providing Chambers (15"x19"inside dimension) 24" deep for house meters with 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:3 to all inside wall surface and top 1" thick C.C 1:2:4 flooring complete with hinged clear opening (Wt: Qr) etc fixied in cement concrete 1:2:4. I/c curing exevationback filling & disposal of surplus earth etc. (S.I.No/02-P/20)	5.0	Each	5,913.22	29,566
	Sub Total Part-I (Plumbing Work)				349,373
	Quoted Rate Premium Above/Below -----%				
	Sub Total Part-I (Plumbing Work)				

Part-II Plumbing Work N.S.I					
1	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 3/4" Dia	200.0	P.Rft		
2	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 4" Dia	100.0	P.Rft		
3	P/F UPVC Pipe (AGM) SCh:40 (E) on Surface using Clips /Saddle of approved Quality and Material etc paid separately recessed in masonry ,C.C or R-C-C upto 60' height and making good with C.C I/c cutting ,finishing etc complete as per instruction of the engineer Incharge . Specification of material should meet the requirement of class 12 & 5 B in accordance with AS + MD 1784 type grade 1 rate I/C att cost of labour , material charges Scaffolding ladders etc complete (N.S.I) 6" Dia	100.0	P.Rft		
4	P/F Band /Elbow (90degree) of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately,using approved adhesive compound (or WELDON ,made in USA ,in ORANGE colour) upto 60' ft height as per instruction of the Engineer Incharge Specifications of the material should meet the requirements of class 12454 -B in accordance Incharge , Specification of the material should meet the requirements of material , cartage , scaffolding / ladders etc. complete (N.S.I) 4" Dia	10.0	Each		
5	P/F TEE of SCH-40 PVC of NAMAT OR EQUIVALENT make of approved quality and design of various sizes fixed to UPVC pipe / fitting paid separately,using approved adhesive compound (or WELDON ,made in USA ,in ORANGE colour) upto 60' ft height as per instruction of the Engineer Incharge Specifications of the material should meet the requirements of class 12454 -B in accordance With the ASTM-D _ 1784 type 1 grade TEE 1. Rate Includes all Costs of Labour , material cartage (N.S.I) 4" Dia	10.0	Each		

6	P/F UPVC P- Trap W/Elbow (45 degree) of SCH- 40 PVC of NAMAT OR EQUIVALENT make o and design of verious fixed to UPVC pipe / fittings paid separately, using approved adhesiv (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge. Specifications of the metrial should meet to requirements of class 12454-B in accor the ASTM-D- 1784 type 1 grade 1. rate includes all costs of labour, material cartage scaffolding / ladders etc (N.S.I) 4" Dia	10.0	Each		
7	P/F UPVC WYE (Y) (45 degree) of SCH-40 PVC of NAMAT OR EQUIVALENT make of appro and design of verious sizes fixed to UPVC pipe / fittings paid separately, using approved adhesive (AGM or WELDON, made in USA, in ORANGE colour) upto 60 ft height as per instruction of the Incharge, Specifications of the material should meet the requirements of class 12454-B in accor the ASTM -D- 1 grade 1. Rate include all costs of labour, material cartage, scaffolding / adders etc complete (N.S.I). 4" Dia	5.0	Each		
	Sub-Total Part-II Non-Schedule Items (Plumbing Work) NSI				

ELECTRICAL WORK

BILL OF QUANTITES					
Renovation & Rehabilitation of Quarters (Old Staff Colony) at Chandka Medical College of SMBB Medical University, Larkana					
S.#	Description	Qty	Unit	Rate	Amount
	05 -Type- I Quarters				
	Part A -Schedule Items 2012				
1	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.129,P.NO.15) SR-2012	180	P.Point	910	163,800
2	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") channel patti on surface as required (S.NO.130,P.NO.15) SR-2012	54	P.Point	742	40,068
3	Providing & fixing two pin 5amp plug & socket flush type (S.No.225, P.No.33) SR-2012	54	Per No.	83	4,482
4	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.029 Copper conductor in 3/4" dia PVC conduit on surface (S.NO.3, P.NO.1) SR-2012	1080	P.Meter	171	184,680
5	Providing and laying MAIN or SUB MAIN) PVC insulated with size 2-7/.052 (10mm2) Copper conductor in 1" dia PVC conduit on surface (S.NO.6, P.NO.1) SR-2012	300	P.Meter	428	128,400
6	Providing & fixing Brass Battern holder (S.NO.232,P.NO.33) SR-2012	72	Per No.	70	5,040
7	Providing & fixing one way SP 5amp switch flush type (S.NO.219,P.NO.33) SR-2012	180	Per No.	54	9,720
8	Providing & fixing Bakelite ceiling rose with two terminals (S.NO.228,P.NO.33) SR-2012	24	Per No.	72	1,728
9	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps SP (TB/5S) on prepared board as required (S.NO.203,P.NO.31) SR-2012	30	Per No.	916	27,480
10	Providing & Fixing circuit breakers 6,10,15,20,30,40,50 & 63amps DP (TB/5S) on prepared board as required (S.NO.204,P.NO.31) SR-2012	6	Per No.	2456	14,736
11	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.044 (6mm) Copper conductor in 1" dia PVC conduit on surface (S.NO.5, P.NO.1) SR-2012	48	P.Meter	305	14,640
12	Providing & fixing three pin 10/15amp plug & socket (S.NO.224,P.NO.33) SR-2012	18	Per No.	151	2,718
	Sub-Total				597,492
	Add Govt. Premium @ 10% on SR-2012				59,749.20
	Add Premium Quoted by the Contractor.....%Above.....Below				
	Total (A)				

Part B -Non Schedule Items					
1	Providing & Fixing A.C ceiling fan regulator (Heavy) on S.W board by making all necessary connections, complete in all respects.	24	Each		
2	Providing & fixing flush type electric bell push button with box & necessary connections, complete in all respects.	6	Each		
3	Providing & Fixing LED Flood Light 100 Watts on movable Stand as required (Recommended: Orient, OSAKA, Smart, Watson or equivalent).	6	Each		
4	Providing & Fixing Teddy Switch Porcelain Type (20A) Suitable for Electric Motor/Water Pump fixed on prepared board as required, complete in all respects.	6	Each		
5	Providing & Fixing Capsule Lights of good quality with energy saver (23W) by making all the necessary connections laid already at the location. Recommended Energy Saver: Philips/ SOGO or equivalent.	24	Each		
6	Providing & Fixing AC or DC Electric Bell 200/250 volts by making all the necessary connections, complete in all respects	6	Each		
7	Providing & Fixing main panel board (16 SWG) double shutter to accommodate heavy duty circuit breaker, bus bars including painting	12.87	Sq. Ft.		
	Total (B)				
	Grand Total (A+B)				