



STANDARD BIDDING DOCUMENTS

Procurement of Works

For

Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites

Under

Punjab Tourism for Economic Growth Project (PTEGP)

Summary Description

PART 1 – BIDDING PROCEDURES

Section I. Instructions to Bidders (ITB)

This Section provides relevant information to help Bidders prepare their bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of Contracts.

Section II. Bid Data Sheet (BDS)

This Section includes of provisions that are specific to each procurement and that supplement Section I, Instructions to Bidders.

Section III. Evaluation and Qualification Criteria

This Section includes the criteria to determine the lowest evaluated bid and the qualifications of the Bidder to perform the contract.

Section IV. Bidding Forms

This Section includes the forms which are to be completed by the Bidder and submitted as part of his Bid

Section V. Eligible Countries

This Section contains information regarding eligible countries.

Section VI. Bank Policy – Corrupt and Fraudulent Practices

This Section provides the Bidders with the reference to the Bank’s policy in regard to corrupt and fraudulent practices applicable to this process.

PART 2 – WORKS REQUIREMENTS

Section VII. Works Requirements

This Section contains the Specification, the Drawings, and supplementary information that describe the Works to be procured. The Works Requirements shall also include the environmental, social (including sexual exploitation and abuse (SEA) and gender based violence (GBV)), health and safety (ESHS) requirements to be satisfied by the Contractor in executing the Works.

PART 3 – CONDITIONS OF CONTRACT AND CONTRACT FORMS

Section VIII. General Conditions of Contract (GCC)

This Section contains the general clauses to be applied in all contracts.

Section IX. Particular Conditions of Contract (PCC)

This Section consists of Contract Data and Specific Provisions which contains clauses specific to each contract. The contents of this Section modify or supplement, but not over-write, the General Conditions and shall be prepared by the Employer.

Section X. Contract Forms

This Section contains the Letter of Acceptance, Contract Agreement and other relevant forms.

Attachment: Invitation for Bids

An “Invitation for Bids” form is provided at the end of the Bidding Documents for information.

PMU-PTEGP

PROCUREMENT DOCUMENTS

Procurement of Works

Lot-1: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 11 locations in District Rawalpindi (North Zone).

Lot-2: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 7 locations in District Attock, Chakwal, Jhelum & Mianwali (North Zone).

Lot-3: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 8 locations in District Lahore, Sheikhpura, Kasur & Sahiwal (Central Zone).

Lot-4: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district Bahawalpur (South Zone).

Lot-5: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district D.G. Khan (South Zone).

NCB No: PK-PTEG-333401-CW-RFB

**Project: Punjab Tourism for Economic Growth Project
(PTEGP)**

Country: Pakistan

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Standard Bidding Document

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PART 1 – Bidding Procedures

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Section 1 - Instructions to Bidders

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Section I - Instructions to Bidders

A. General

1. **Scope of Bid**
 - 1.1 In connection with the Invitation for Bids **specified in the Bid Data Sheet (BDS)**, the Employer, as **specified in the BDS**, issues these Bidding Documents for the procurement of the Works as specified in Section VII, Works Requirements. The name, identification, and number of lots (contracts) of this bidding are **specified in the BDS**.
 - 1.2 Throughout this Bidding Document:
 - (a) the term “in writing” means communicated in written form and delivered against receipt;
 - (b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular;
 - (c) “day” means calendar day; and
 - (d) “ESHS” means environmental, social (including sexual exploitation and abuse (SEA) and gender based violence (GBV)), health and safety.
2. **Source of Funds**
 - 2.1 The Borrower or Recipient (hereinafter called “Borrower”) **specified in the BDS** has received or has applied for financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) in an amount **specified in the BDS**, toward the project named **in the BDS**. The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) for which these Bidding Documents are issued.
 - 2.2 Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank, and will be subject, in all respects, to the terms and conditions of the Loan (or other financing) Agreement. The Loan (or other financing) Agreement prohibits a withdrawal from the Loan (or other financing) account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any

rights from the Loan (or other financing) Agreement or have any claim to the proceeds of the Loan (or other financing).

3. Corrupt and Fraudulent Practices

3.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI.

3.2 In further pursuance of this policy, Bidders shall permit and shall cause their agents (whether declared or not), sub-contractors, sub-consultants, service providers, or suppliers and any personnel thereof, to permit the Bank to inspect all accounts, records and other documents relating to any prequalification process, bid submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

4. Eligible Bidders

4.1 A Bidder may be a firm that is a private entity, or a government-owned entity—subject to ITB 4.5—or any combination of them in the form of a joint venture (JV), under an existing agreement, or with the intent to enter into such an agreement supported by a letter of intent. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution. **Unless specified in the BDS**, there is no limit on the number of members in a JV.

4.2 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:

(a) directly or indirectly controls, is controlled by or is under common control with another Bidder; or

(b) receives or has received any direct or indirect subsidy from another Bidder; or

(c) has the same legal representative as another Bidder; or

(d) has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or

(e) participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is

- involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
- (f) or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the bid; or
 - (g) or any of its affiliates has been hired (or is proposed to be hired) by the Employer or Borrower as Engineer for the Contract implementation;
 - (h) would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the BDS ITB 2.1 that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm;
 - (i) has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Bank throughout the procurement process and execution of the contract.

4.3 A Bidder may have the nationality of any country, subject to the restrictions pursuant to ITB 4.7. A Bidder shall be deemed to have the nationality of a country if the Bidder is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed sub-contractors or sub-consultants for any part of the Contract including related Services.

4.4 A Bidder that has been sanctioned by the Bank in accordance with the above ITB 3.1, including in accordance with the Bank's Guidelines on Preventing and Combating Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants ("Anti-Corruption Guidelines"), shall be ineligible to be prequalified for, bid for, or be awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. The list of

debarred firms and individuals is available at the electronic address **specified in the BDS**.

- 4.5 Bidders that are Government-owned enterprises or institutions in the Employer's Country may participate only if they can establish that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not dependent agencies of the Employer. To be eligible, a government-owned enterprise or institution shall establish to the Bank's satisfaction, through all relevant documents, including its Charter and other information the Bank may request, that it: (i) is a legal entity separate from the government (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to the government, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt; and (iv) is not bidding for a contract to be awarded by the department or agency of the government which under their applicable laws or regulations is the reporting or supervisory authority of the enterprise or has the ability to exercise influence or control over the enterprise or institution.
- 4.6 A Bidder shall not be under suspension from bidding by the Employer as the result of the operation of a Bid-Securing Declaration.
- 4.7 Firms and individuals may be ineligible if so indicated in Section V and (a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; or (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's country prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country.
- 4.8 A Bidder shall provide such evidence of eligibility satisfactory to the Employer, as the Employer shall reasonably request.

5. Eligible Materials, Equipment and Services

5.1 The materials, equipment and services to be supplied under the Contract and financed by the Bank may have their origin in any country subject to the restrictions specified in Section V, Eligible Countries, and all expenditures under the Contract will not contravene such restrictions. At the Employer's request, Bidders may be required to provide evidence of the origin of materials, equipment and services.

B. Contents of Bidding Document

6. Sections of Bidding Document

6.1 The Bidding Document consist of Parts 1, 2, and 3, which include all the Sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART 1 Bidding Procedures

Section I - Instructions to Bidders (ITB)

Section II - Bid Data Sheet (BDS)

Section III - Evaluation and Qualification Criteria

Section IV - Bidding Forms

Section V - Eligible Countries

Section VI – Bank Policy-Corrupt and Fraudulent Practices

PART 2 Works Requirements

Section VII - Works Requirements

PART 3 Conditions of Contract and Contract Forms

Section VIII - General Conditions of Contract (GCC)

Section IX - Particular Conditions of Contract (PCC)

Section X - Contract Forms

6.2 The Invitation for Bids issued by the Employer is not part of the Bidding Document.

6.3 Unless obtained directly from the Employer, the Employer is not responsible for the completeness of the Bidding Documents, responses to requests for clarification, the minutes of the pre-Bid meeting (if any), or Addenda to the Bidding Documents in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Employer shall prevail.

6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its bid all information and documentation as is required by the Bidding Documents.

7. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting

- 7.1 A Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer's address **specified in the BDS** or raise its inquiries during the pre-bid meeting if provided for in accordance with ITB 7.4. The Employer will respond in writing to any request for clarification, provided that such request is received prior to the deadline for submission of bids within a period **specified in the BDS**. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. **If so specified in the BDS**, the Employer shall also promptly publish its response at the web page identified in the BDS. Should the clarification result in changes to the essential elements of the Bidding Documents, the Employer shall amend the Bidding Documents following the procedure under ITB 8 and ITB 22.2.
- 7.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
- 7.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- 7.4 **If so specified in the BDS**, the Bidder's designated representative is invited to attend a pre-bid meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 7.5 The Bidder is requested, to submit any questions in writing, to reach the Employer not later than one week before the meeting.
- 7.6 Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an addendum pursuant

to ITB 8 and not through the minutes of the pre-bid meeting. Nonattendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.

8. Amendment of Bidding Document

- 8.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Documents by issuing addenda.
- 8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Document from the Employer in accordance with ITB 6.3. The Employer shall also promptly publish the addendum on the Employer's web page in accordance with ITB 7.1.
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB 22.2.

C. Preparation of Bids

9. Cost of Bidding

- 9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

10. Language of Bid

- 10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in the language **specified in the BDS**. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language **specified in the BDS**, in which case, for purposes of interpretation of the Bid, such translation shall govern.

11. Documents Comprising the Bid

- 11.1 The Bid shall comprise the following:
- (a) Letter of Bid in accordance with ITB 12;
 - (b) completed Schedules, in accordance with ITB 12 and 14: **as specified in the BDS**;
 - (c) Bid Security or Bid Securing Declaration, in accordance with ITB 19.1;
 - (d) alternative bids, if permissible, in accordance with ITB 13;

- (e) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.2;
- (f) documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the contract if its Bid is accepted;
- (g) Technical Proposal in accordance with ITB 16;
- (h) any other document **required in the BDS**.

11.2 In addition to the requirements under ITB 11.1, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.

11.3 The Bidder shall furnish in the Letter of Bid information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.

12. Letter of Bid and Schedules

12.1 The Letter of Bid and Schedules shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.2. All blank spaces shall be filled in with the information requested.

13. Alternative Bids

13.1 Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

13.2 When alternative times for completion are explicitly invited, a statement to that effect will be **included in the BDS**, as will the method of evaluating different times for completion.

13.3 Except as provided under ITB 13.4 below, Bidders wishing to offer technical alternatives to the requirements of the Bidding Document must first price the Employer's design as described in the Bidding Document and shall further provide all information necessary for a complete evaluation of the alternative by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the lowest evaluated Bidder conforming to the basic technical requirements shall be considered by the Employer.

13.4 When **specified in the BDS**, Bidders are permitted to submit alternative technical solutions for specified parts of the Works.

Such parts will be **identified in the BDS** and described in Section VII. Works Requirements. The method for their evaluation will be stipulated in Section III. Evaluation and Qualification Criteria.

14. Bid Prices and Discounts

- 14.1 The prices and discounts (including any price reduction) quoted by the Bidder in the Letter of Bid and in the Schedules shall conform to the requirements specified below.
- 14.2 The Bidder shall submit a bid for the whole of the works described in ITB 1.1 by filling in prices for all items of the Works, as identified in Section IV. Bidding Forms. In case of admeasurement contracts, the Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
- 14.3 The price to be quoted in the Letter of Bid, in accordance with ITB 12.1, shall be the total price of the bid, excluding any discounts offered.
- 14.4 The Bidder shall quote any discounts and the methodology for their application in the Letter of Bid, in accordance with ITB 12.1.
- 14.5 **Unless otherwise provided in the BDS** and the Conditions of Contract, the prices quoted by the Bidder shall be fixed. If the prices quoted by the Bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data in Section IV- Bidding Forms and the Employer may require the Bidder to justify its proposed indices and weightings.
- 14.6 If so specified in ITB 1.1, bids are invited for individual lots (contracts) or for any combination of lots (packages). Bidders wishing to offer discounts for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4, provided the bids for all lots (contracts) are opened at the same time.
- 14.7 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 28 days prior to

the deadline for submission of bids, shall be included in the rates and prices¹ and the total bid price submitted by the Bidder.

- 15. Currencies of Bid and Payment**
- 15.1 The currency(ies) of the bid and the currency(ies) of payments shall be as **specified in the BDS**.
- 15.2 Bidders may be required by the Employer to justify, to the Employer's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the unit rates and prices and shown in the Schedule of Adjustment Data are reasonable², in which case a detailed breakdown of the foreign currency requirements shall be provided by Bidders.
- 16. Documents Comprising the Technical Proposal**
- 16.1 The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV, Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.
- 17. Documents Establishing the Qualifications of the Bidder**
- 17.1 In accordance with Section III, Evaluation and Qualification Criteria, to establish its qualifications to perform the Contract, the Bidder shall provide the information requested in the corresponding information sheets included in Section IV, Bidding Forms.
- 17.2 If a margin of preference applies as specified in accordance with ITB 33.1, domestic Bidders, individually or in joint ventures, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility specified in accordance with ITB 33.1.
- 18. Period of Validity of Bids**
- 18.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Employer in accordance with ITB 22.1. A bid valid for a shorter period shall be rejected by the Employer as nonresponsive.

¹ In lump sum contracts, delete "rates and prices and the."

² For lump sum contracts, delete "unit rates and prices and shown in the Schedule of Adjustment Data are reasonable" and replace with "Lump Sum."

- 18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Employer may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a bid security is requested in accordance with ITB 19, it shall also be extended for twenty-eight (28) days beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB 18.3.
- 18.3 If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:
- (a) In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor **specified in the BDS**.
 - (b) In the case of adjustable price contracts, no adjustment shall be made.
 - (c) In any case, bid evaluation shall be based on the bid price without taking into consideration the applicable correction from those indicated above.

19. Bid Security

- 19.1 The Bidder shall furnish as part of its bid, either a Bid-Securing Declaration or a bid security **as specified in the BDS**, in original form and, in the case of a bid security, in the amount and currency **specified in the BDS**.
- 19.2 A Bid Securing Declaration shall use the form included in Section IV, Bidding Forms.
- 19.3 If a bid security is specified pursuant to ITB 19.1, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option:
- (a) an unconditional guarantee issued by a bank or financial institution (such as an insurance, bonding or surety company);
 - (b) an irrevocable letter of credit;
 - (c) a cashier's or certified check; or
 - (d) another security **specified in the BDS**.

from a reputable source from an eligible country. If the unconditional guarantee is issued by a financial institution located outside the Employer's Country, the issuing financial institution shall have a correspondent financial institution located in the Employer's Country to make it enforceable. In the case of a bank

guarantee, the bid security shall be submitted either using the Bid Security Form included in Section IV, Bidding Forms, or in another substantially similar format approved by the Employer prior to bid submission. The bid security shall be valid for twenty-eight (28) days beyond the original validity period of the bid, or beyond any period of extension if requested under ITB 18.2.

19.4 If a bid security or Bid Securing Declaration is specified pursuant to ITB 19.1, any bid not accompanied by a substantially responsive bid security or Bid-Securing Declaration shall be rejected by the Employer as non responsive.

19.5 If a bid security is specified pursuant to ITB 19.1, the bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the Contract and furnishing the performance security and if required in the BDS, the Environmental, Social, Health and Safety (ESHS) Performance Security pursuant to ITB 42.

19.6 The bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security and if required in the BDS, the Environmental, Social, Health and Safety (ESHS) Performance Security.

19.7 The bid security may be forfeited or the Bid Securing Declaration executed:

(a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid, , or any extension thereto provided by the Bidder; or

(b) if the successful Bidder fails to:

(i) sign the Contract in accordance with ITB 41; or

(ii) Furnish a performance security and if required in the BDS, the Environmental, Social, Health and Safety (ESHS) Performance Security in accordance with ITB 42.

19.8 The bid security or the Bid Securing Declaration of a JV shall be in the name of the JV that submits the bid. If the JV has not been constituted into a legally-enforceable JV, at the time of bidding, the Bid Security or the Bid Securing Declaration shall be in the names of all future members as named in the letter of intent mentioned in ITB 4.1 and ITB 11.2.

19.9 If a bid security is **not required in the BDS**, and

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid, or
- (b) if the successful Bidder fails to: sign the Contract in accordance with ITB 41; or furnish a performance security and if required in the BDS, the Environmental, Social, Health and Safety (ESHS) Performance Security in accordance with ITB 42;

the Borrower may, **if provided for in the BDS**, declare the Bidder ineligible to be awarded a contract by the Employer for a period of time **as stated in the BDS**.

20. Format and Signing of Bid

20.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB 11 and clearly mark it "ORIGINAL". Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked "ALTERNATIVE". In addition, the Bidder shall submit copies of the bid in the number **specified in the BDS**, and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.

20.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as **specified in the BDS** and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.

20.3 In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.

20.4 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

D. Submission and Opening of Bids

21. Sealing and Marking of Bids

21.1 The Bidder shall enclose the original and all copies of the bid, including alternative bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL", "ALTERNATIVE" and "COPY." These envelopes

containing the original and the copies shall then be enclosed in one single envelope.

21.2 The inner and outer envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Employer as **provided in the BDS** pursuant to ITB 22.1;
- (c) bear the specific identification of this bidding process specified in accordance with BDS 1.1; and
- (d) bear a warning not to open before the time and date for bid opening.

21.3 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the bid.

22. Deadline for Submission of Bids

22.1 Bids must be received by the Employer at the address and no later than the date and time **specified in the BDS**. When so **specified in the BDS**, bidders shall have the option of submitting their bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures **specified in the BDS**.

22.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Document in accordance with ITB 8, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

23. Late Bids

23.1 The Employer shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 22. Any bid received by the Employer after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

24. Withdrawal, Substitution, and Modification of Bids

24.1 A Bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 20.2, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:

- (a) prepared and submitted in accordance with ITB 20 and ITB 21 (except that withdrawal notices do not require copies), and in

addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” “MODIFICATION;” and

(b) received by the Employer prior to the deadline prescribed for submission of bids, in accordance with ITB 22.

24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders.

24.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.

25. Bid Opening

25.1 Except in the cases specified in ITB 23 and 24, the Employer shall publicly open and read out in accordance with ITB 25.3 all bids received by the deadline, at the date, time and place **specified in the BDS**, in the presence of Bidders` designated representatives and anyone who choose to attend. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB 22.1, shall be **as specified in the BDS**.

25.2 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked “SUBSTITUTION” shall be opened and read out and exchanged with the corresponding bid being substituted, and the substituted bid shall not be opened, but returned to the Bidder. No bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked “MODIFICATION” shall be opened and read out with the corresponding bid. No bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at bid opening. Only envelopes that are opened and read out at bid opening shall be considered further.

25.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the total Bid Price, per lot (contract) if applicable, including any discounts and alternative bids; the presence or absence of a bid security, or Bid Securing Declaration, if required; and any other details as the Employer may consider appropriate. Only discounts and alternative bids read out at bid opening shall be considered for evaluation. The Letter of Bid and the Bill of Quantities are to be

initialed by representatives of the Employer attending bid opening in the manner **specified in the BDS**. The Employer shall neither discuss the merits of any bid nor reject any bid (except for late bids, in accordance with ITB 23.1).

25.4 The Employer shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot (contract) if applicable, including any discounts and alternative bids; and the presence or absence of a bid security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

E. Evaluation and Comparison of Bids

26. Confidentiality

26.1 Information relating to the evaluation of bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the bidding process until information on Contract award is communicated to all Bidders in accordance with ITB 40.

26.2 Any attempt by a Bidder to influence the Employer in the evaluation of the bids or Contract award decisions may result in the rejection of its bid.

26.3 Notwithstanding ITB 26.2, from the time of bid opening to the time of Contract award, if a Bidder wishes to contact the Employer on any matter related to the bidding process, it shall do so in writing.

27. Clarification of Bids

27.1 To assist in the examination, evaluation, and comparison of the bids, and qualification of the Bidders, the Employer may, at its discretion, ask any Bidder for a clarification of its bid given a reasonable time for a response. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease in the prices or substance of the bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids, in accordance with ITB 31.

27.2 If a Bidder does not provide clarifications of its bid by the date and time set in the Employer's request for clarification, its bid may be rejected.

**28. Deviations,
Reservations,
and Omissions**

28.1 During the evaluation of bids, the following definitions apply:

- (a) “Deviation” is a departure from the requirements specified in the Bidding Document;
- (b) “Reservation” is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and
- (c) “Omission” is the failure to submit part or all of the information or documentation required in the Bidding Document.

**29. Determination of
Responsiveness**

29.1 The Employer’s determination of a bid’s responsiveness is to be based on the contents of the bid itself, as defined in ITB11.

29.2 A substantially responsive bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,

- (a) if accepted, would:
 - (i) affect in any substantial way the scope, quality, or performance of the Works specified in the Contract; or
 - (ii) limit in any substantial way, inconsistent with the Bidding Document, the Employer’s rights or the Bidder’s obligations under the proposed Contract; or
- (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.

29.3 The Employer shall examine the technical aspects of the bid submitted in accordance with ITB 16, Technical Proposal, in particular, to confirm that all requirements of Section VII (Works Requirements) have been met without any material deviation, reservation or omission.

29.4 If a bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

**30. Nonconformities,
Errors, and
Omissions**

30.1 Provided that a bid is substantially responsive, the Employer may waive any nonconformities in the bid.

30.2 Provided that a bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or

documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

30.3 Provided that a bid is substantially responsive, the Employer shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price may be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component. The adjustment shall be made using the methods specified in Section III (Evaluation and Qualification Criteria).

31. Correction of Arithmetical Errors

31.1 Provided that the bid is substantially responsive, the Employer shall correct arithmetical errors on the following basis:

- (a) only for admeasurement contracts, if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

31.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 31.1, shall result in the rejection of the Bid.

32. Conversion to Single Currency

32.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted into a single currency as **specified in the BDS**.

33. Margin of Preference

33.1 **Unless otherwise specified in the BDS**, a margin of preference for domestic bidders³ shall not apply.

³ An individual firm is considered a domestic bidder for purposes of the margin of preference if it is registered in the country of the Employer, has more than 50 percent ownership by nationals of the country

- 34. Subcontractors**
- 34.1 Unless otherwise stated in the BDS, the Employer does not intend to execute any specific elements of the Works by sub-contractors selected in advance by the Employer.
- 34.2 The Employer may permit subcontracting for certain specialized works as indicated in Section III. When subcontracting is permitted by the Employer, the specialized sub-contractor's experience shall be considered for evaluation. Section III describes the qualification criteria for sub-contractors.
- 34.3** Bidders may propose subcontracting up to the percentage of total value of contracts or the volume of works as **specified in the BDS.**
- 35. Evaluation of Bids**
- 35.1 The Employer shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.
- 35.2 To evaluate a bid, the Employer shall consider the following:
- (a) the bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities⁴ for admeasurement contracts, but including Daywork⁵ items, where priced competitively;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB 31.1;
 - (c) price adjustment due to discounts offered in accordance with ITB 14.4;
 - (d) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 32;
 - (e) price adjustment for nonconformities in accordance with ITB 30.3;

of the Employer, and if it does not subcontract more than 10 percent of the contract price, excluding provisional sums, to foreign contractors. JVs are considered as domestic bidders and eligible for domestic preference only if the individual member firms are registered in the country of the Employer or have more than 50 percent ownership by nationals of the country of the Employer, and the JV shall be registered in the country of the Borrower. The JV shall not subcontract more than 10 percent of the contract price, excluding provisional sums, to foreign firms. JVs between foreign and national firms will not be eligible for domestic preference.

⁴ In lump sum contracts, delete "Bill of Quantities" and replace with "Activity Schedule."

⁵ Daywork is work carried out following instructions of the Project Manager and paid for on the basis of time spent by workers, and the use of materials and the Contractor's equipment, at the rates quoted in the Bid. For Daywork to be priced competitively for Bid evaluation purposes, the Employer must list tentative quantities for individual items to be costed against Daywork (e.g., a specific number of tractor driver staff-days, or a specific tonnage of Portland cement), to be multiplied by the bidders' quoted rates and included in the total Bid price.

(f) the additional evaluation factors are specified in Section III (Evaluation and Qualification Criteria);

35.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.

35.4 If this Bidding Document allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated price of the contract combinations, including any discounts offered in the Letter of Bid, is specified in Section III. Evaluation and Qualification Criteria.

35.5 If the bid for an admeasurement contract, which results in the lowest Evaluated Bid Price, is seriously unbalanced or, front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

36. Comparison of Bids

36.1 The Employer shall compare the evaluated prices of all substantially responsive bids established in accordance with ITB 35.2 to determine the lowest evaluated bid.

37. Qualification of the Bidder

37.1 The Employer shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid meets the qualifying criteria specified in Section III. Evaluation and Qualification Criteria.

37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17.1.

37.3 An affirmative determination of qualification shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Employer shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's qualifications to perform satisfactorily.

38. Employer's Right to Accept Any Bid, and to Reject Any or All Bids

38.1 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

39. Award Criteria

39.1 Subject to ITB 37.1, the Employer shall award the Contract to the Bidder whose bid has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

40. Notification of Award

40.1 Prior to the expiration of the period of bid validity, the Employer shall notify the successful Bidder, in writing, via the Letter of Acceptance included in the Contract Forms, that its bid has been accepted. At the same time, the Employer shall also notify all other Bidders of the results of the bidding, and shall publish in UNDB online the results identifying the bid and lot (contract) numbers and the following information:

- (i) name of each Bidder who submitted a Bid;
- (ii) bid prices as read out at Bid Opening;
- (iii) name and evaluated prices of each Bid that was evaluated;
- (iv) name of bidders whose bids were rejected and the reasons for their rejection; and
- (v) name of the winning Bidder, and the Price it offered, as well as the duration and summary scope of the contract awarded.

40.2 Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.

40.3 The Employer shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB 40.1, requests in writing the grounds on which its bid was not selected.

41. Signing of Contract

- 41.1 Promptly upon notification, the Employer shall send the successful Bidder the Contract Agreement.
- 41.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Employer.

42. Performance Security

- 42.1 Within twenty-eight (28) days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the performance security and, if required in the BDS, the Environmental, Social, Health and Safety (ESHS) Performance Security in accordance with the conditions of contract, subject to ITB 35.5, using for that purpose the Performance Security and ESHS Performance Security Forms included in Section X. Contract Forms, or another form acceptable to the Employer. If the performance security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Employer. A foreign institution providing a bond shall have a correspondent financial institution located in the Employer's Country.
- 42.2 Failure of the successful Bidder to submit the above-mentioned Performance Security and, if required in the BDS, the Environmental, Social, Health and Safety (ESHS) Performance Security, or to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security. In that event the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

43. Adjudicator

- 43.1 The Employer proposes the person **named in the BDS** to be appointed as Adjudicator under the Contract, at the hourly fee **specified in the BDS**, plus reimbursable expenses. If the Bidder disagrees with this proposal, the Bidder should so state in his Bid. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority designated in the Particular Conditions of Contract (PCC) pursuant to Clause 23.1 of the General Conditions of Contract (GCC), to appoint the Adjudicator.

Section II - Bid Data Sheet (BDS)

A. Introduction

ITB 1.1	<p>The number of the Invitation for Bids is : PK-PTEG-333401-CW-RFB</p> <p>The Employer is: Punjab Tourism For Economic Growth Project (PTEGP) through the Project Manager – PTEGP</p>
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<p>ITB 1.1</p>	<p>The name of the bidding process is: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in Punjab Province</p> <p>The identification number of the bidding process is: The number and identification of lots comprising this bidding process is:</p> <p>Lot-1: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 11 locations in District Rawalpindi (North Zone).</p> <p>Lot-2: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 7 locations in District Attock, Chakwal, Jhelum & Mianwali (North Zone).</p> <p>Lot-3: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 8 locations in District Lahore, Sheikhpura, Kasur & Sahiwal (Central Zone).</p> <p>Lot-4: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district Bahawalpur (South Zone).</p> <p>Lot-5: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district D.G. Khan (South Zone).</p>
<p>ITB 2.1</p>	<p>The Borrower is: P&D Board – Government of Punjab, Islamic Republic of Pakistan</p>

ITB 2.1	The name of the Project is: Punjab Tourism For Economic Growth Project (PTEGP)
ITB 2.1	Loan or Financing Agreement amount: \$ 50 Million The Grant number is IDA-59820
ITB 4.1	Maximum number of members in the JV shall be: Two (02)
ITB 4.4	A list of debarred firms and individuals is available on the Bank's external website: http://www.worldbank.org/debarr .

B. Bidding Documents

ITB 7.1	For <u>clarification purposes in writing</u> only, the Employer's address is: Attention: Mr. Muhammad Waqas Malik Street Address: 175-A Upper Mall Scheme Lahore City: Lahore ZIP Code: 53000 Country: Pakistan Facsimile number: <i>NA</i> Electronic mail address: pmuptegp@gmail.com Requests for clarification should be received by the Employer no later than: 07 days before the submission deadline.
ITB 7.1	Web page: www.ptegp.punjab.gov.pk/
ITB 7.4	A Pre-Bid meeting " shall " take place at the following date, time and place: Date: April 10, 2023 Time: 11:00 am Place: Conference Room of PTEGP, please register to attend the pre-bid meeting at pmuptegp@gmail.com . Zoom link will be shared to the participants accordingly for virtual participation. A site visit conducted by the Employer " shall not be " organized.

C. Preparation of Bids

ITB 10.1	The language of the bid is: English
ITB 11.1 (b)	The following schedules shall be submitted with the bid: Bill of Quantities
ITB 11.1 (h)	<p>The Bidder shall submit the following additional documents in its Bid: Code of Conduct (ESHS)</p> <p>The Bidder shall submit its Code of Conduct that will apply to its employees and subcontractors, to ensure compliance with its Environmental, Social, Health and Safety (ESHS) obligations under the contract. <i>[Note: Complete and include the risks to be addressed by the Code in accordance with Section VII-Works' Requirements, e.g. Risks associated with: labor influx, spread of communicable diseases, sexual harassment, gender based violence, sexual exploitation and abuse, illicit behavior and crime, and maintaining a safe environment etc.]</i></p> <p>In addition, the Bidder shall detail how this Code of Conduct will be implemented. This will include: how it will be introduced into conditions of employment/engagement, what training will be provided, how it will be monitored and how the Contractor proposes to deal with any breaches.</p> <p>The Contractor shall be required to implement the agreed Code of Conduct upon contract award.</p>
ITB 13.1	Alternative bids <i>“shall not be”</i> permitted.
ITB 13.2	Alternative times for completion <i>“shall not be”</i> permitted.
ITB 13.4	Alternative technical solutions shall not be permitted.
ITB 14.5	The prices quoted by the Bidder <i>“shall be”</i> subject to adjustment during the performance of the Contract.
ITB 15.1	The prices shall be quoted by the bidder in: <i>PKR Only</i>
ITB 18.1	The bid validity period shall be: 120 day <i>as of the deadline for bid submission.</i>
ITB 18.3 (a)	The bid price shall not be the matter of adjustment.
ITB 19.1	<p><i>Bid Security shall be</i></p> <p><i>Lot-1: 2.1 million.</i></p> <p><i>Lot-2: 1.32 million.</i></p> <p><i>Lot-3: 1.82 million.</i></p> <p><i>Lot-4: 0.60 million.</i></p> <p><i>Lot-5: 0.65 million.</i></p>

ITB 19.3 (d)	Other types of acceptable securities: None other than mentioned in ITB
ITB 20.1	In addition to the original of the bid, the number of copies is: One (01) Hard copy and one soft copy having data in USB.
ITB 20.2	The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as “Power of attorney of signatory of Bid” and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.

D. Submission and Opening of Bids

ITB 22.1	Bidders “shall not” have the option of submitting their bids electronically.
ITB 22.1	For <u>bid submission purposes</u> only, the Employer’s address is: Attention: Mr. Waqas Malik Street Address: 175-A Upper Mall Scheme City: Lahore Country: Pakistan Telephone: : +92 42-9933607-8 The deadline for bid submission is: Date: May 02, 2023 Time: On or before 02:00 pm .
ITB 25.1	The bid opening shall take place at: Conference Room of PTEGP Street Address: 175-A Upper Mall Scheme City: Lahore Country: Pakistan Date: May 02, 2023 Time: 2:30 pm

E. Evaluation and Comparison of Bids

ITB 32.1	Not applicable.
ITB 33.1	A margin of preference <i>“shall not”</i> apply.
ITB 34.3	<p>Contractor’s proposed subcontracting: Maximum percentage of subcontracting permitted is: <i>10% of the total contract amount or 10% of the volume of work.</i></p> <p>b) Bidders planning to subcontract more than 10% of total volume of work shall specify, in the Letter of Bid, the activity (ies) or parts of the works to be subcontracted along with complete details of the sub-contractors and their qualification and experience. The qualification and experience of the sub-contractors must meet the minimum criteria for the relevant work to be subcontracted failing which such sub-contractors will not be permitted to participate.</p> <p>c) Sub-contractors’ qualification and experience will not be considered for evaluation of the Bidder. The Bidder on its own (without taking into account the qualification and experience of the sub-contractor) should meet the qualification criteria.</p>

F. Award of Contract

ITB 42.1 and 42.2	<p>Successful bidder shall submit 5% of the contract amount as performance security/ in the shape of Bank Guarantee on Performance Security Forms included in Section X.</p> <p>The successful Bidder shall not be required to submit an Environmental, Social, Health and Safety (ESHS) Performance Security.</p>
ITB 43.1	The Adjudicator proposed by the Employer will be decided by Registrar Pakistan Engineering Council Lahore Office. The hourly fee for this proposed Adjudicator shall be decided mutually by the Employer and the successful bidder at the time of signing of contract.

Section III - Evaluation and Qualification Criteria

NOTE:

This section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders if the bidding was not preceded by a prequalification exercise and post qualification is applied. In accordance with ITB 35 and ITB 37, no other methods, criteria and factors shall be used. The Bidder shall provide all the information requested in the forms included in Section 4 (Bidding Forms).

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1. Margin of Preference (Not Applicable)

2. Evaluation

In addition to the criteria listed in ITB 35.2 (a) – (e) the following criteria shall apply:

2.1 Adequacy of Technical Proposal

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section VII (Works Requirements).

2.2 Multiple Contracts

Pursuant to Sub-Clause 35.4 of the Instructions to Bidders, if Works are grouped in multiple contracts, evaluation will be as follows:

Award Criteria for Multiple Contracts [ITB 35.4]:

Lots

Bidders have the option to Bid for any one or more Lots. Bids will be evaluated Lot-wise, taking into account discounts offered, if any. The contract(s) will be awarded to the Bidder or Bidders offering the lowest evaluated cost to the Employer for each Lot, subject to the selected Bidder(s) meeting the required qualification criteria for combination of lots as the case may be.

Qualification Criteria for Multiple Contracts:

Section III describes criteria for qualification for each package (contract) for multiple packages (contracts). The criteria for qualification is aggregate minimum requirement for respective package as specified under items 3.1, 3.2, 4.2(a) and 4.2(b). However, with respect to the specific experience under item 4.2 (a) of Section III, the Employer will select any one or more of the options as identified below:

N is the minimum number of contracts

V is the minimum value of a single contract

(a) For one Contract:

Option 1:

(i) N contracts, each of minimum value V;

(b) For multiple Contracts

Option 1:

(i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the bidder has submitted bids as follows, and N1, N2, N3, etc. shall be different contracts:

Package 1: N1 contracts, each of minimum value V1;

Package 2: N2 contracts, each of minimum value V2;

Package 3: N3 contracts, each of minimum value V3;

----etc.

----etc, **or**

2.3 Alternative Completion Times

Not permitted

2.4 Technical Alternatives

Not permitted

2.5 Specialized Subcontractors

Only the specific experience of sub-contractors for specialized works permitted by the Employer will be considered. The general experience and financial resources of the specialized sub-contractors shall not be added to those of the Bidder for purposes of qualification of the Bidder.

The specialized sub-contractors proposed shall be fully qualified for their work proposed, and meet the following criteria:

3. Qualification

Eligibility and Qualification Criteria		Compliance Requirements					Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
1. Eligibility							
1.1	Nationality	Nationality in accordance with ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.2	Conflict of Interest	No conflicts of interest in accordance with ITB 4.2	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Letter of Bid
1.3	Bank Eligibility	Not having been declared ineligible by the Bank, as described in ITB 4.4, 4.5, 4.6 and 4.7	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Letter of Bid
1.4	Government Owned Entity of the Borrower country	Meets conditions of ITB 4.5	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.5	United Nations resolution or Borrower's country law	Not having been excluded as a result of prohibition in the Borrower's country laws or official regulations against commercial relations with the Bidder's country, or by an act of compliance with UN Security Council resolution, both in accordance with ITB 4.7 and Section V.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2. Historical Contract Non-Performance							
2.1	History of Non-Performing Contracts	Non-performance of a contract ⁶ did not occur as a result of contractor default since 1 st January 2016	Must meet requirement ¹²	Must meet requirements	Must meet requirement ⁷	N/A	Form CON-2
2.2	Suspension Based on Execution of Bid Securing Declaration by the Employer or withdrawal of the Bid within Bid validity	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITB 4.6 or withdrawal of the Bid pursuant ITB 19.9.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Bid Submission Form
2.3	Pending Litigation	Bidder's financial position and prospective long term profitability sound according to criteria established in 3.1 below and assuming that all pending litigation will be resolved against the Bidder	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 2

⁶ Non performance, as decided by the Employer, shall include all contracts where (a) non performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

⁷ This requirement also applies to contracts executed by the Bidder as JV member.

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2.4	Litigation History	No consistent history of court/arbitral award decisions against the Bidder ⁸ since 1 st January 2016	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form CON – 2
2.5	Declaration: Environmental, Social, Health, and Safety (ESHS) past performance	Declare any civil work contracts that have been suspended or terminated and/or performance security called by an employer for reasons related to the non-compliance of any environmental, or social, (including sexual exploitation and abuse (SEA) and gender based violence (GBV)), or health or safety requirements or safeguard in the past five years ⁹ .	Must make the declaration. Where there are Specialized Sub-contractor/s, the Specialized Sub-contractor/s must also make the declaration.	N/A	Each must make the declaration. Where there are Specialized Sub-contractor/s, the Specialized Sub-contractor/s must also make the declaration.	N/A	Form CON-3 ESHS Performance Declaration

⁸ The Bidder shall provide accurate information on the letter of Bid about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the last five years. A consistent history of court/arbitral awards against the Bidder or any member of a joint venture may result in disqualifying the Bidder.

⁹ The Employer may use this information to seek further information or clarifications in carrying out its due diligence

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
3. Financial Situation and Performance							
3.1	Financial Capabilities	<p>(i) The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements in PKR estimated as for Lot-1 40 Million Lot-2 25 Million Lot-3 35 Million Lot-4 & 5 12 Million.</p> <p>(ii) The Bidders shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.</p> <p>(iii) The audited balance sheets/Income Tax Return or, if</p>	Must meet requirement	Must meet Requirement	N/A	N/A	Form FIN – 3.1, with attachments
			Must meet requirement	Must meet requirement	N/A	N/A	

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		not required by the Laws of the Bidder's country, other financial statements acceptable to the Employer, for the last three years shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its prospective long-term profitability.	Must meet requirement	N/A	Must meet requirement	N/A	
3.2	Average Annual Construction Turnover	Minimum average annual construction turnover of PKR, calculated as total certified payments received for contracts in progress and/or completed within the last five years, divided by 5 years for, Lot-1 100 Million Lot-2 100 Million Lot-3 100 Million Lot-4 & 5 50 Million.	Must meet requirement	Must meet requirement	Must meet <u>100%</u> , of the requirement	Must meet <u>100%</u> , of the requirement	Form FIN – 3.2

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
4. Experience							
4.1 (a)	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, sub-contractor, or management contractor for at least the last Five years, starting 1 st January 2018.	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	Specific Construction & Contract Management Experience	(i) A minimum Two (02) number of similar contracts specified below that have been satisfactorily and substantially completed as a prime contractor, joint venture member, management contractor or sub-contractor	Must meet requirement	Must meet requirement ¹³	N/A	N/A	Form EXP 4.2(a)

¹⁰ The similarity shall be based on the physical size, complexity, methods/technology and/or other characteristics described in Section VII, Work's Requirements.

Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

¹¹ Substantial completion shall be based on 80% or more works completed under the contract.

¹² For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share, by value, shall be considered to meet this requirement.

¹³ In the case of JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts completed by all members each of value equal or more than the minimum value required shall be aggregated.

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		In last 5 years: (i) 2 contracts, each of minimum value 50 Million for Lot-1, Lot-2 & Lot-3. (ii) 2 contracts, each of minimum value 15 Million for Lot-4 & Lot-5.					
4.2 (b)		For the above and any other contracts completed and under implementation as prime contractor, joint venture member, management contractor or sub-	Must meet requirements	Must meet requirements	N/A	Must meet the following requirements for the key activities listed below ¹⁷ <i>[list key activities and the corresponding</i>	Form EXP – 4.2 (b)

¹⁷ Requirement can be met through a Specialized Sub-contractor

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		contractor ¹⁴ on or after the first day of the calendar year during the period stipulated in 4.2 (a) above, a minimum construction experience in the following key activities successfully completed ¹⁵ : <i>[list activities indicating volume, number or rate of production as applicable]</i> ¹⁶				<i>[minimum requirements]</i>	

¹⁴ For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder’s share shall be counted to meet this requirement.

¹⁵ Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities).

¹⁶ The minimum experience requirement for multiple contracts will be the sum of the minimum requirements for respective individual contracts.

5 Key Personnel

The Bidder must demonstrate that it will have a suitably qualified (and in adequate numbers) minimum Key Personnel, as described in the table below, that are required to perform the Contract.

The Bidder shall provide details of the Key Personnel and such other Key Personnel that the Bidder considers appropriate, together with their academic qualifications and work experience. The Bidder shall complete the relevant Forms in Section IV, Bidding Forms.

The Contractor shall require the Employer's consent to substitute or replace the Key Personnel (reference the Particular Conditions of Contract 9.1).

Key Personnel

Item No.	Position/specialization	Relevant academic qualifications	Minimum years of relevant work experience
1	Project Manager (01 No.)	Civil Engineer	10
2	/Site Inspectors (01 on 01 site.)	DAE(civil)	5
Suitable experts in the following specializations			
3	Health, Safety, Quality and Environment Manager	e.g. degree in relevant environmental field	5
4	Quantity Surveyor (01 No.)	DAE(civil)	5
5	Surveyor (02 No.)	DAE(civil)/Diploma in Surveyor	5

*** Note: Dedicated team required for Each Lot**

6. Equipment

The Bidder must demonstrate that it will have access to the key Contractor's equipment listed hereafter:

No.	Equipment Type and Characteristics	Minimum Number required
1	Vibrator	2
2	Compactor	3
3	Shuttering	10000 sq ft.
4	Mixer Machine	3
5	Total Station	2
6	Generator	6
7	Leveling machine with staff rods	3
8	Water boozers	01
09	Tractor Trolley	01

The Bidder shall provide further details of proposed items of equipment using the relevant Form in Section IV.

Section IV - Bidding Forms

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Letter of Bid

The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and address.

Date: *[insert date (as day, month and year) of Bid Submission]*

NCB No.: *[insert number of bidding process]*

Invitation for Bid No.: *[insert identification]*

To: *[insert complete name of Employer]*

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB 8)_____;
- (b) We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) We have not been suspended nor declared ineligible by the Employer based on execution of a Bid Securing Declaration in the Employer's country in accordance with ITB 4.6
- (d) We offer to execute in conformity with the Bidding Documents the following Works: *[insert a brief description of the Works]*;
- (e) The total price of our Bid, excluding any discounts offered in item (f) below is:

In case of only one lot, total price of the Bid [insert the total price of the bid in words and figures, indicating the various amounts and the respective currencies];

In case of multiple lots, total price of each lot [insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies];

In case of multiple lots, total price of all lots (sum of all lots) [insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies];

- (f) The discounts offered and the methodology for their application are:
- (i) The discounts offered are: [Specify in detail each discount offered.]
- (ii) The exact method of calculations to determine the net price after application of discounts is shown below: [Specify in detail the method that shall be used to apply the discounts];
- (g) Our bid shall be valid for a period of *[specify the number of calendar days]* days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

- (h) If our bid is accepted, we commit to obtain a performance security [*and an Environmental, Social, Health and Safety (ESHS) Performance Security, Delete if not applicable*] in accordance with the Bidding Documents;
- (i) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.2(e), other than alternative bids submitted in accordance with ITB 13;
- (j) We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by a member of the World Bank Group or a debarment imposed by the World Bank Group in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the World Bank and other development banks. Further, we are not ineligible under the Employer's country laws or official regulations or pursuant to a decision of the United Nations Security Council;
- (k) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB 4.5;¹⁸
- (l) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: ***[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]***

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate "none.")

- (m) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- (n) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (o) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption

Name of the Bidder* ***[insert complete name of person signing the Bid]***

¹⁸ Bidder to use as appropriate

Name of the person duly authorized to sign the Bid on behalf of the Bidder** *[insert complete name of person duly authorized to sign the Bid]*

Title of the person signing the Bid *[insert complete title of the person signing the Bid]*

Signature of the person named above *[insert signature of person whose name and capacity are shown above]*

Date signed *[insert date of signing]* day of *[insert month]*, *[insert year]*

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

** : Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid Schedules.

Schedules

Bill of Quantities

BILL OF QUANTITIES (LOT-1)								
NAME OF WORK: CONSTRUCTION / RENOVATION OF TOILET BLOCKS AT DIFFERENT HERITAGE & TOURIST SITES IN NORTH ZONE (DISTRICT RAWALPINDI ONLY).								
NORTH ZONE (DISTRICT RAWALPINDI INCLUDING MURREE)								
(A) DISTRICT RAWALPINDI								
1. MOHARA MURADU								
2. SIRKAP TEXILA								
3. DHARMA RAJIKA								
4. WAH GARDEN								
5. TAXILA MEUSEUM (FE-MALE)								
6. TAXILA MEUSEUM (MALE)								
7. TENCH BHATTA BAZAAR SITE -1								
8. TENCH BHATTA BAZAAR SITE -2								
9. SIGHTSEEING BUS TERMINAL RAWALPINDI SITE -1								
10. SIGHTSEEING BUS TERMINAL RAWALPINDI SITE -2								
(B) MURREE								
1. PATRAITA START POINT								
2. PATRAITA MIDPOINT								
3. PATRAITA TOP POINT								
4. TDCP DHANOI REST HOUSE KOTLI SATIAN								
5. GPO CHOWK MALL ROAD MUREE								
6. KHAJOT MURREE (MALE)								
7. KHAJOT MURREE (FEMALE)								
(A) BOQ FOR DISTRICT RAWALPINDI								
Sr. No.	Ref. to MRS	Description	Unit	Total Quantity	Rate Quoted		Amount (PAK Rs.)	
					In Figures	In Words		
1	1/3	Subsequent carriage of bajri from Margalla Hill lead 10 Km	%Cft	3330.3				
		75 Km	%Cft	184.4				
2	1/3	Disposal of Malba Carriage 2 Km	%Cft	449				
3	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	9509.2				
4	21,a,i/30	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) By Manual a) In sand, ashes or loose soil	%Cft	1173.9				
5	21-a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling,	%0Cft	15496				

		dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual					
6	42- i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	%0Cft.	16359			
7	13/34	Dismantling brick work in lime or cement mortar.	%Cft	68.43			
8	19a/35	Dismantling cement concrete plain 1:4:8.	%Cft	201.9			
9	19c/35	Dismantling of glaze tile Flooring and Skirting to be paid as Dismantling cement concrete 1:2:4 Plain	%Cft	178.6			
10	32a/36	Removing door with chowkat.	P.Nos	10			
11	32b/36	Removing windows and sky lights with chowkat.	P.Nos	4			
12	33/36	Removing ventilators and wooden sunshade, etc	P.Nos	8			
13	48/37	Removing cement or lime plaster.	%Sft	1801.6			
14	49b/38	Scraping:- Ordinary distemper, oil bound distemper, or paint of wall.	%Sft	1670.8			
15	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 -do50 mm) gauge, in foundation and plinth:-PCC 1:4:8	%Cft	1400			
16	3.d/41	P/L cement concrete using bricks of stone ballast 1.5" to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	3314.8			
17	5-f, 41	Cement concrete plain including placing compacting finishing and curing including screening and washing of stone aggregate (1:2:4 ratio)	% Cft	736.52			
18	6,a,i,3c/42	Reinforced cement concrete in roof slab, beams, extra columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast 3) This item shall not be applicable in situ, complete in all respects: (1:2:4).	P.Cft	3669.9			
19	11-b/45	Fabrication of mild steel reinforcement for cement concrete i/ c cutting, bending,	%Kg	10174			

		laying in position, making joints and fastening i/ c cost of binding wire and labour charges for binding of steel reinforcement (Alos I/ c removal of rust from bars). (b) Deformed bars (Grade-40)				
20	12,c/45	Febrecation of mild steel reinforisment for cement concrete i/ c bending / placing fixing in position deformed bars i/ c cost of spacer block, steel chairs and pins, binding wire and over lapping not shown or shown in drawings complete in all respect .	%Kg	1811.1		
21	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	768.38		
22	37,a,ii/48	Providing and damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13mm)	%Sft	820.25		
23	38,a,ii/49	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13mm)	%Sft	860		
24	4,i/52	Pacca brick work in cement sand mortar (1:6) in F & P	%Cft	4432.3		
25	4,i/52	Pacca brick work in cement sand mortar (1:4) in ground floor F & P	%Cft	292.5		
26	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	5536.8		
27	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	771.68		
28	7-i / 53	Brickwork in 1:6 C/S Mortar other than Building	%Cft.	3204		
29	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building (0 - 10 ft depth)	%Cft.	349.69		
30	7i+8/54	Pacca brickwork in 1:4 C/S mortar other than building (10.1 - 20 ft depth)	%Cft.	251.69		
31	10/54	Extra for pacca brick work in steining of wells or any other circular masonry.	%Cft.	503.38		
32	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	1829.5		

33	38,i/57	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge.	P.Sft	5576.4			
34	5-61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	2938			
35	15/63	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	8			
36	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	%Cft	1829.5			
37	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½"(40 mm) thick	%Sft	3465			
38	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"	P.Sft	3603.5			
39	25,i/70	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the	P.Sft	13050			

		joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12" x 18"					
40	41-b/72	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm	P.Sft	2800			
41	48/74	Extra for Beveling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	522.32			
42	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	104			
43	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	1153.7			
44	9,b/76	Cement sand plaster (1:4) on wall	%Sft	22644			
45	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes	%Sft.	5355			
46	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Sft	3112.1			
47	31(a+2b) 96	Preparing surfacing and painting with emulsion paint 3 coats	%Sft	9985.1			
48	33a(i+2ii)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 3 coats	%Sft	4445			
49	15-c/105	Supply and dumping at site, without boat, including handling of materials within three chains (90 m) c) brick bats	%Cft.	282.6			

50	3-125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	38			
51	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	Each	20			
52	18/127	Providing and fixing, chromium plated toilet paper holder	Each	38			
53	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	18			
54	34(i)/130	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	74			
55	35(ii)/131	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	22			
56	51/132	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double polyethylene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.	Per Gallon	1600			
57	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.(i) 15 Gal capacity	Each	10			

58	55,3(ii)/132	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	54			
59	55,4(ii)/132	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	20			
60	52/134	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	174			
	52-ii	(ii) Lever Type Basin Mixer	Each	54			
	52-iii	(iii) Double Bib Cock	Each	58			
	52-v	(v) Muslim shower	Each	66			
	52-vi	(vi) Waste Coupling	Each	54			
	52-vii	(vii) Bottle Trap	Each	54			
61	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	1140			
62	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	59			
63	1-a/141	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand					
		i) from 0' to 5' (0 to 1.5 m) depth	%0Cft.	317.92			
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	%0Cft.	317.92			
64	2-a/141	Dry sinking of well i/c loading and removing excavated material within one chain in ordinary soil					
		i) 10 - 15 ft	%0Cft.	206.3			
		ii) 15.1 - 20 ft	%0Cft.	206.3			
65	9/143	Providing and fixing structural steel for cutting edge	%Kg	92.95			
66	8,a/143	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed	P.Cft	58.875			

		surface, (including screening and washing of aggregate (1:1.5:3))					
67	1,c/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:- c) 5" (125 mm) i/d	P.Rft	400			
68	2,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:- a) 5" (125 mm) i/d	P.Rft	300			
69	3,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200.1 ft. to 300 ft. (60 to 90 m) below ground level, including sinking and withdrawing of casing pipe, complete:- a) 5" (125 mm) i/d	P.Rft	300			
70	11,b/146	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- b) 4" i/d (100 mm)	P.Rft	200			
71	14,bv/147	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B' b) 4" i/d (100 mm)	Each	4			
72	16,b/148	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)	P.Rft	952			
73	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	58.8			
74	23,ii,c/149	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality	P.Rft	1760			

75	27-b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	100				
76	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-						
	28-c	c) 4" i/d	P.Rft	944				
	28-a	a) 2" i/d	P.Rft	360				
77	38,ii e/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	8				
78	39,ii,e/155	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	8				
79	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads, coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	8				
80	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).						
		a) PN-20 pipe						
		47-b-ii	(ii)(3/4") 25 mm	P.Rft	800			
		47-b-iii	(iii)(1") 32 mm	P.Rft	400			

81	P-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials				
	3-ii	20 mm	P.Rft	2887.2		
	3-iii	25 mm	P.Rft	1213.9		
82	P-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:				
	10-a-i	3/0.029	P.Rft	5905.8		
	10-a-iii	7/0.029	P.Rft	1246.8		
	10-a-iv	7/0.036	P.Rft	1738.9		
83	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts iv) 7/0.91 mm (7/0.036")	P.Rft	262.48		
84	13-a-v/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P.Rft	2231.1		
85	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equilent to . (7"x4") Box In Area	Each	10		
86	18,a,i/171	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole: i) 15/20 Amp.	Each	8		
87	43-ii/175	S/E of Tubelight, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	47		
88	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan	Each	10		

		hook, placed at the time of casting of slab.					
89	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	10			
90	72-b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P.Rft	492.15			
91	86/181	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	56			
		10 Amp	Each	18			
		20 Amp	Each	18			
	86-b-iii	Double Pole 6-63 Amp (10 KA)	Each	10			
92	90,a,i/183	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep (i) 20~60A (18"x24"x6")	Per.Cft	13.5			
93	102-aii-189	Providing and fixing Copper winded Exhaust fan with	Each	38			

		louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (a) Plastic body (ii) 12 " dia					
94	103,a/189	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	38			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	18			
	103-a-vi	(vi) Fan Dimmer	Each	18			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	20			
95	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware i/c using imported brushes for dust proofing and imported rular complete in all respect and as approved by engineer in-charge.	P.Sft	780			
96	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	P.Sft	390			
97	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	2970			

98	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of building by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft	9288			
NON-SCHEDULE							
99	N.S	P/F stainless steel nonmagnetic stair railing 2-3/4 height consisting of 2" dia. 18 SWG pipe top hand rail welded over vertical balustrade, of 1-1/2" wide 3/8" thick stainless steel double strip with stainless steel stud welded to fancy reducer 2" x 1/2" at top and MS tikki having 3" dia. and 1/4" thickness at bottom fixed on steps with holding down rowel bolts 3" x 3/8" MS tikki covered with architectural multi offset shape stainless steel cap 3" dia. at bottom and reduced to 1-1/2" at top in" height horizontal stainless steel cap 3" dia. at bottom reduced 1-1/2" dia. at top in 2" height in horizontal stainless steel pipe 3/4" 18 SWG 3 no. fixed with vertical balustrades i/c steel polishing fixed at site complete in all respect and as approved by engineer in-charge	P.Sft	26			
100	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	P.Sft	1544.4			
101	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	P.Sft	1132.7			
102	N.S	Finishing of three step cornice with 1/2" thick cement sand mortar 1:3	%Rft	720			
103	N.S	Supply and erection of wooden brackets of Partal wood as per size, design, shape mentioned in the drawing including making curves etc. including painting	Each	224			

		as approved by engineer in-charge					
104	N.S	P/F PVC wall paneling approved color / texture, plain / grooved design (Pak Made) of 8 mm thick 10" wide strip male / female with in-built grooves i/c cost of top bottom U-channel gola and corner gola of same material i/c cost of steel nails rowal plugs, screws & elfi i/c carriage and labour charges as per entire satisfaction of engineer in-charge	P.Sft	2816			
105	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	465.5			
106	N.S	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	48			
107	N.S	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	48			
108	N.S	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	18			
109	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	18			
110	N.S	Cost of Electric Connection from REPCO including cost of service connection Cable Lumpsum	Each	10			
111	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	20			
112	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without pedestal)	Each	54			
113	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	P.Sft	408			

114	N .S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	18			
115	N .S	P/F 6" x 6" size stainless steel floor trap jali	Each	74			
116	N .S	Providing and fixing glazed earthen ware flat back urinal.	Each	18			
117	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete 5 Kwa @ Rs 0.25 M / Kwa Rs 1.50 Million	Each	8			
Sub-Total =							
(B) BOQ FOR MURREE							
1	1/3	Subsequent Carriage of Bajri from Margalla Hill Lead 75 Km (hilly area)	%Cft	1854.65			
		60 Km	%Cft	18524.95			
		50 Km	%Cft	226.92			
		45 Km	%Cft	301.41			
2	1,b/27	Earthwork excavation undressed lead upto a single throw of Kassi, phaorah or shovel:- b) In ordinary soil.	%0Cft	150			
3	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft.	10235.8			
4	21-a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavted earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) by manual soil	%0Cft	16861.3			
5	42- i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	%0Cft.	9618			
6	3-b/41	Cement concrete ratio 1:4:8. Brick or stone ballast 1-1/2" to 2" gauge in F &P.	%Cft.	1208.4			
7	3.d/41	P/L cement concrete using bricks of stone ballast 1 1/2'	%Cft	4453.9			

		to 2" gauge in foundation and plinth ratio 1:6:12					
8	5,f/41	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) 1:2:4	%Cft	360.37			
9	5,,i/41	cement concrete plane including placing compacting finishing complete 1:4:8	%Cft	50.55			
10	6,b,3,/42	Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e horizontal shuttering) complete in all respect (1:2:4). Ground Floor	P.Cft	2562.04			
11	6,a,iii,3/42	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Type C (nominal mix 1: 2: 4)	P.Cft	379.22			
12	6,a,i,3,c/42	Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e horizontal shuttering) complete in all respect (1:2:4). Plinth Beam	P.Cft	722.22			
13	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/ c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Alos i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	12339.33			
14	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement,	%Sft	272.31			

		sand and shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)					
15	37,a,i/48	Providing and damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13mm)	%Sft	81.56			
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in F & P	%Cft	296.63			
17	4,i/52	Pacca brick work in cement sand mortar (1:4) in F & P	%Cft	193.22			
18	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	4366.71			
19	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	618.47			
20	7-i / 53	Brickwork in 1:6 C/S Mortar other than Building	%Cft.	2160.00			
21	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft.	833.72			
22	2,diii/58	Coursed rubble masonry hammer dressed, in foundation and plinth: in cement, sand mortar ratio 1:6. i/c 30 KM carriage	%Cft.	13550.80			
23	6-bii/59	Ashler fine masonry (including dressing etc) in GF or 20' height building other than building in 1:4 mortar	%Cft	274.96			
24	13,b/62	P/F Corugated GI sheets with GI bolts,nuts, limpet and bitumen washer wind ties complete in all respect without valley and ridge	%Sft	5311.53			
25	29,b/64	Plain GI sheet ridging, including fixture timber for ridge roll and ridge sheeting 9" (225mm) lap and 224" (600mm) overall, of 24 gauge GI Sheet ridging	P.Rft	580			
26	3/68	P/L of brick or stone ballast 1-1/2 to 2 inch gauge to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	%Cft.	833.72			
27	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½" (40 mm) thick	%Sft	1890.38			
28	15,e/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 2" (50 mm) thick	%Sft	288			

29	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"	P.Sft	2050.59			
30	25,i/70	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12" x 18"	P.Sft	8230.25			
31	37-a-ii/72	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, without rubbing and polishing, complete with finishing: (a) using grey cement: ii) ½"(13 mm) thick	%Sft	2175			
32	41-b/72	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm	P.Sft	2100			
33	48/74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	299.5			
34	49/74	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and	Each	72			

		directed by the Engineer Incharge.					
35	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	652.5			
36	9,b/76	Cement sand plaster (1:4) on wall	%Sft	9355.75			
37	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes	%Sft.	6588			
38	19-c-ii/77	Pointing on stonework raised in 1:3 c/s mortar	%Sft	4701.5			
39	42-iii/89	Providing and fixing ceiling, including frame work:- Ply wood 1/4" (6 mm) thick	%Sft	2300.19			
40	5-c(i+ix2)/93	Preparing surfacing and painting door and windows 3 coat	%Sft	2288.94			
41	31(a+2b)/96	Preparing surfacing and painting with emulsion paint 3 coat	%Sft	2496			
42	3-125	Providing and fitting one piece Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	24			
43	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	Each	15			
44	18/127	Providing and fixing, chromium plated toilet paper holder	Each	26			
45	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1 1/4" dia	Each	12			
46	34(i)/129	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	54			
47	35(ii)/129	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	15			
48	51/132	Providing and hoisting vertical/horizontal type storage tank of required	P.Gallon	1200			

		capacity made of rotationally molded from (HDPE), double polyethylene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.					
49	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	94			
	52-ii	(ii) Lever Type Basin Mixer	Each	42			
	52-iii	(iii) Double Bib Cock	Each	36			
	52-v	(v) Muslim shower	Each	42			
	52-vi	(vi) Waste Coupling	Each	44			
	52-vii	(vii) Bottle Trap	Each	42			
50	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge. (i) 15 Gal capacity	Each	7			
51	55,4(ii)/132	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	20			
52	55,3,ii/132	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	50			
53	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	670			
54	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	29			

55	6-a-i/145	Boring for tubewell in shingle, gravel & rock, including sinking and withdrawing of casing pipe, from ground level to 200 ft below GL 12'-18" i/d complete:-	P.Rft	1450			
56	11,c/146	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- 5" i/d (125 mm)	P.Rft	300			
57	14,a,iii/147	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B' c) 5" i/d (125 mm)	Each	6			
58	16,c/148	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. c) 5" i/d (125 mm)	P.Rft	1188			
59	23,ii,c/150	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. 1" i/d (25 mm) 3.25mm thick Medium Quality	P.Rft	1400			
60	27-b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	100			
61	28/151	Providing, laying, cutting, jointing, testing and disinfecting Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with 'D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	590			
	28-a	a) 2" i/d	P.Rft	330			
62	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads, coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer	Each	7			

		Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head					
63	47,b,ii/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).					
		a) PN-20 pipe					
		159-a-ii	(ii)(3/4") 25 mm	P.Rft	600		
	159-a-iii	(iii)(1") 32 mm	P.Rft	320			
64	P-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials					
		3-ii	3/4" i/d	P.Rft	2165.46		
		3-iii	1" i/d	P.Rft	853.06		
65	P-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
		10-a-i	3/0.029	P.Rft	4265.3		
		10-a-iii	7/0.029	P.Rft	918.68		
		10-a-iv	7/0.036	P.Rft	1312.4		
66	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/GI wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts iv) 7/0.91 mm (7/0.036")	P.Rft	221.86			
67	13-a-v/170	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P.Rft	1093.06			

68	18,a,ii/171	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole: i) 30/35 Amp.	Each	7			
69	43-ii/175	S/E of Tubelight, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	22			
70	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	7			
71	72,b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P.Rft	274.67			
72	86/181	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in prelaidd DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	38			
		10 Amp	Each	16			
		20 Amp	Each	16			
	86-b-iii	Double Pole 6-63 Amp (10 KA)	Each	7			
73	90,a,i/184	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital					

		Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					
		(i) 20~60A (18"x24"x6")	Per.Cft	10.5			
74	102-aii-189	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (a) Plastic body (ii) 12 " dia	Each	32			
75	103,a/189	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	26			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	16			
	103-a-vi	(vi) Fan Dimmer	Each	8			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	16			
76	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware i/c using imported brushes for dust proofing and imported rular complete in all respect and as approved by engineer in-charge.	P.Sft	619.12			
77	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of	P.Sft	309.56			

		approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.					
78	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of builing by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft.	10017.9			
NON-SCHEDULE							
79	N.S	P/F of cheer wood Trucess of appropriate design and section including bed-plate over walls and purlans of appropriate size and section	P.Cft	864.13			
80	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	P.Sft	1034.78			
81	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6''-10'') 0.35mm PVC	P.Sft	829.4			
82	N.S	P/F PVC wall paneling approved color / texture, plain / grooved design (Pak Made) of 8 mm thick 10'' wide strip male / female with in-built groves i/c cost of top bottom U-channel gola and corner gola of same material i/c cost of steel nails rowal plugs, screws & elfi i/c carriage and labour charges as per entire satisfaction of engineer in-charge	P.Sft	2160.88			
83	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	4111.75			
84	N.S	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	40			

85	N.S	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	40			
86	N.S	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	12			
87	N.S	Cost of Electric Connection from REPCO including cost of service connection Cable Lumpsum	Each	7			
88	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	15			
89	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without pedestal)	Each	80			
90	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	Sft	270			
91	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	16			
92	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	50			
93	N.S	Providing and fixing glazed stone ware flat back urinal medium size white porta	Each	14			
94	NS	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE),double pypolyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	P.Gallon	2			
95	NS	Providing and hoisting vertical/horizontal type storage tank of requiredcapacity made of rotationally molded from (HDPE),double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	Each	1			

96	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete 5 Kwa	Each	7		
Sub-Total =						
G-Total =						

BILL OF QUANTITIES (LOT-2)

NAME OF WORK: CONSTRUCTION / RENOVATION OF TOILET BLOCKS AT DIFFERENT HERITAGE & TOURIST SITES IN NORTH ZONE.

NORTH ZONE INCLUDING DISTRICT ATTOCK, JEHLUM, NCHAKWAL, MIANWALI

(A) DISTRICT ATTOCK

1. LALA RUKH TOMB ATTOCK

(B) DISTRICT JEHLUM

1. ROHTAS FORT JEHLUM

(C) DISTRICT CHAKWAL

1. DHARABI LAKE

2. KATAS RAJ

3. KALLAR KAHAR

4. DHOK TALIAN

(D) DISTRICT MIANWALI

1. DAUD KHEL

(A) BOQ FOR DISTRICT ATTOCK

Sr. No.	Ref. to MRS	Description	Unit	Total Quantity	Rate Quoted		Amount (PAK Rs.)
					In Figures	In Words	
1	1/3	Subsequent carriage of bajri from Margalla Hill lead 75 Km	%Cft	416.29			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	1,774.13			

3	21-a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual	%0Cft	1,774.13			
4	42- i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	%0Cft.	2,352.00			
5	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 -do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	150.00			
6	3.d/41	P/L cement concrete using bricks of stone ballast 1.5" to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	383.88			
7	5-f, 41	Cement concrete plain including placing compacting finishing and curing including screening and washing of	% Cft	84.77			

		stone aggregate (1:2:4 ratio)					
8	6,a,iii,c/ 42	Reinforcement of cement concrete in slab of rafts/strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e horizontal shuttering) complete in all respect (1:2:4). Plinth Beam	P.Cft	36.94			
9	6,a,i,3/4 2	Reinforced cement concrete in roof slab, beams, extra columns lintels, girders and other structural members laid insitu or precast laid in position, or prestressed members cast 3) This item shall not be applicable in situ, complete in all respects:(1:2:4).	P.Cft	409.06			
10	12-b/45	Fabrication of mild steel reinforcement for cement concrete i/c bending / placing fixing in position deformed bars i/c cost of spacer block, steel chairs and pins, binding wire and over lapping not shown or shown in drawings complete in all respect .	%Kg	1,405.53			

11	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	92.16			
12	37,a,iii/48	Providing and damp proof course with cement sand plaster 1:2 and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13mm)	%Sft	92.16			
13	38,a,ii/48	Providing and laying vertical damp proof course with cement sand plaster 1:3 and bitumen coating with one coat of polythene sheet 500 gauge (13mm)	%Sft	107.50			
14	4,i/52	Pacca brick work in cement sand mortar (1:6) in F & P	%Cft	481.93			
15	4,i/52	Pacca brick work in cement sand mortar (1:4) in ground floor F & P	%Cft	36.56			
16	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	656.11			
17	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	96.46			
18	7-i / 53	Brickwork in 1:6 C/S Mortar other than Building	%Cft.	545.25			
19	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building	%Cft.	19.50			
20	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	180.98			

21	38,i/57	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing , complete in all respect as approved and directed by the Engineer Incharge..2-1/4" x 2-1/4" x 9"	P. Sft	697.05			
22	5./61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	367.25			
23	15/63	Khurras on Roof 2'x2'x6"	Each	1.00			
24	3./68	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	%Cft	180.98			
25	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface	%Sft	335.00			

		finishing and dividing in panels) 1½"(40 mm) thick					
26	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over ¾" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	356.22			
27	25,i/70	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over ½"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	1,306.68			

28	41-b/74	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm	P.Sft	300.00			
29	48/74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	58.00			
30	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	12.00			
31	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	124.00			
32	9,b/76	Cement sand plaster (1:4) on wall	%Sft	2,198.67			
33	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out	%Sft.	525.00			

		side and in side holes 9x2x(3+3)					
34	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Sft	361.13			
35	9-b/78	C/S Plaster 1:4 0.5" thick	% Sft	512.00			
36	31(a+2b)/96	Preparing surfacing and painting with emulsion paint 3 coats	%Sft	832.67			
37	33A(i+2i)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 3 coats	%Sft	555.63			
38	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	4.00			
39	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	Each	2.00			

40	18/127	Providing and fixing, chromium plated toilet paper holder	Each	4.00			
41	31(i)/12 8	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	2.00			
42	34(i)/12 9	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	8.00			
43	35(ii)/12 9	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	2.00			
44	51/131	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.	P.Gallon	200.00			

45	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	19.00			
	52-ii	(ii) Lever Type Basin Mixer	Each	6.00			
	52-iii	(iii) Double Bib Cock	Each	6.00			
	52-v	(v) Muslim shower	Each	7.00			
	52-vi	(vi) Waste Coupling	Each	6.00			
	52-vii	(vii) Bottle Trap	Each	6.00			
46	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved					

		and directed by Engineer Incharge.					
		(i) 15 Gal capacity	Each	1.00			
47	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	2.00			
48	55,3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	6.00			
49	1- iii / 138	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	160.00			
50	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	6.00			
51	1,c/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-c) 5" (125 mm) i/d	P.Rft	100.00			

52	15,c/147	Providing and installing P.V.C. strainers, B.S.S. Class `B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)	P.Rft	20.00			
53	16,b/148	Providing and installing P.V.C. blind pipe, B.S.S. Class `B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)	P.Rft	78.00			
54	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	4.91			
55	14,a,ii/149	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class `B' b) 4" i/d (100 mm)	Each	1.00			
56	23,ii,c/149	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality	P.Rft	80.00			
57	27-b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in	P.Rft	20.00			

		trenches, complete in all respects:- 4" i/d (100 mm)					
58	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d		93.00			
	28-a	a) 2" i/d		35.00			
59	38,ii e/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	1.00			
60	39,ii,e/154	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	1.00			
61	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric	Each	1.00			

		Motor, 21-Mtr Suction and 21 M delivery head					
62	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).					
		a) PN-20 pipe					
	47-b-ii	(ii)(3/4") 25 mm	P.Rft	80.00			
	47-b-iii	(iii)(1") 32 mm	P.Rft	40.00			
63	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials					
	3-ii	3/4"(20mm) i/d	P. Rft	328.10			

	3-iii	1" (25mm) i/d	P. Rft	131.24			
64	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P. Rft	656.20			
	10-a-iii	7/0.029	P. Rft	131.24			
	10-a-iv	7/0.036	P. Rft	196.86			
65	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts iv) 7/0.91 mm (7/0.036")	P.Rft	32.81			
66	13-a-v/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	262.48			
67	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6"	Each	1.00			

		Dia Box Equilent to . (7"x4") Box In Area					
68	18,a,i/17 1	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc.a) double pole:i) 15/20 Amp.	Each	1.00			
69	43-ii/175	S/E of Tubeligt, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	4.00			
70	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	1.00			
71	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	1.00			
72	72-b- ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles,	P. Rft	49.22			

		etc. (Copper wire: 20SWG)					
73	86/181	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker)of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASA KI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	6.00			
		10 Amp	Each	2.00			
		20 Amp	Each	2.00			
	86-b-iii	Double Pole 6-63 Amp (10 KA)	Each	1.00			
74	90,a,i/183	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector					

		switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					
		(i) 20~60A (18"x24"x6")	Per.Cft	1.50			
75	102-a,ii/189	Providing and fixing Copper winded Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	4.00			
76	103,a/189	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	4.00			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	2.00			
	103-a-vi	(vi) Fan Dimmer	Each	2.00			

	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	2.00			
77	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware i/c using imported brushes for dust proofing and imported rular complete in all respect and as approved by engineer in-charge.	P.Sft	82.50			
78	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge.	P.Sft	41.25			

		complete in all respect.					
79	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	371.25			
80	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of building by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft	1,161.00			
NON-SCHEDULE							
81	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	P.Sft	169.42			
82	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	P.Sft	120.71			
83	N.S	Finishing of three step cornice with	%Rft	90.00			

		1/2" thick cement sand mortar 1:3					
84	N.S	Supply and erection of wooden brackets of Partal wood as per size, design, shape mentioned in the drawing including making curves etc. including painting as approved by engineer in-charge	Each	28.00			
85	N.S	P/F PVC wall paneling approved color / texture, plain / grooved design (Pak Made) of 8 mm thick 10" wide strip male / female with in-built groves i/c cost of top bottom U-channel gola and corner gola of same material i/c cost of steel nails rowal plugs, screws & elfi i/c carriage and labour charges as per entire satisfaction of engineer in-charge	P.Sft	352.00			
86	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	6.00			
87	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	6.00			
88	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	2.00			
89	NS	P/F of exhaust fan plastic body 12" size of approved quality i/c making electric					

		connection with ceiling rose					
90	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	2.00			
91	N.S	Cost of Electric Connection from REPCO including cost of service connection Cable Lumpsum	Each	1.00			
92	N.S	P/F of glazed stoneware water closet Europin Type with seat cover complete Porta HD-9 (White)					
93	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	2.00			
94	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without padestal)	Each	6.00			
95	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	Sft	42.00			

96	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	2.00			
97	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	8.00			
98	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	2.00			
99	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa)	Job	1.00			
Sub-Total =							
(B) BOQ FOR DISTRICT JHELUM							
1	1/3	Subsequent carriage of bajri from Margala quarry to site 120 Km	%Cft	1207.897			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	1304.375			
3	15,ii/29	Filling, watering & ramming earth under floor with new earth from out side lead upto 3 Km	%0Cft	158.000			
4	21,a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavted earth, watering and ramming lead upto	%0Cft	2486.438			

		one chain and lift upto 5' (in ordinary) soil					
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	%Cft.	16229.50 0			
6	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 -do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	150.000			
7	3.d/41	P/L cement concrete using bricks of stone ballast 1 1/2' to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	911.797			
8	5-f, 41	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	%Cft	186.273			
9	5-i/41	Cement concrete plain using finishing	%Cft	12.024			

		and curing concrete(1:4:8)					
10	6,a,iii,c/ 42	Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i. e horizontal shuttering) complete in all respect (1:2:4).	P.Cft	132.305			
11	6,a,i,3/4 2	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	P.Cft	1195.250			
12	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	4641.467			
13	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and Shingle); including bituman coating with one coat of	%Sft	212.422			

		polythene sheet 500 gauge (40 mm)					
14	37,a,iii/4 8	Providing and laying damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13 mm)	%Sft	134.859			
15	38,a,ii/4 8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13mm)	%Sft	222.600			
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	1074.697			
17	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	1851.094			
18	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	138.281			
19	(5,i + 6,i)/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	250.313			
20	7,i/53	Pacca brick work in cement sand mortar (1:6) in other than building upto 10ft	%Cft	1050.500			
21	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building (0 - 10 ft depth)	%Cft.	271.191			
22	7-i+ 8 /53	Pacca brickwork in 1:4 C/S mortar other than building (10.1 - 20 ft depth)	%Cft.	251.691			
23	10/54	Extra for pacca brick work in steining of wells or any other circular masonry.	%Cft.	503.381			

24	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	426.073			
25	38,i/57	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge.i. 2-1/4" x 2-1/4" x 9"	P.Sft	493.000			
26	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	367.250			
27	15/63	Khurras on roof 2'x2'x6"	Each	2.000			
28	3/68	P/L of brick or stone ballast 1-1/2 to 2 inch gauge	%Cft	426.073			
29	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½"(40 mm) thick	%Sft	493.000			

30	24,i/70	<p>Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"</p>	P.Sft	741.688			
31	25,i/70	<p>Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cementplaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12" x 18"</p>	P.Sft	3712.750			
32	41-b/73	<p>Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in</p>	P.Sft	300.000			

		all respect. (50% Grey / 50% Coloured) 60 mm				
33	48/74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	110.875		
34	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	20.000		
35	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	230.000		
36	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	3586.500		
37	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	2355.000		
38	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof	%Cft	731.188		

		slabs only, upto 20' height. 1:3					
39	7,b,ii/81	<p>Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge</p> <p>b) Oak/Ash wood Door(ii) 1-3/4" thick (45mm)</p>	PSft	64.000			
40	15,a,/83	<p>Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-</p> <p>a) M.S. angle iron 1 1/2"x 1 1/2"x 1/4" (40x40x6 mm) welded with M.S. flat 2"x 1/4" (50 mm x 6 mm)</p>	P.Sft	28.000			

41	59,ii/89	P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)	PSft	33.230			
42	61,b,ii/90	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineerIncharge (12")	Each	2.000			
43	31 (a+2ii)/96	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	1803.188			
44	33A(i+2ii)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 2 coats	%Sft	1340.750			

45	15-c/105	Supply and dumping at site, without boat, including handling of materials within three chains (90 m) c) brick bats	%Cft.	282.600			
46	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	6.000			
47	13(i)/12 6	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copperconnection, etc. complete. i) white	Each	4.000			
48	18/127	Providing and fixing, chromium plated toilet paper holder	Each	6.000			
49	31(i)/12 8	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	2.000			
50	34(i)/12 9	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	14.000			
51	35(ii)/12 9	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	4.000			

52	51/132	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE),double pypolyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	PerGal Ion	400.000			
53	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower,waste coupling and bottle trapetc. complete in all respect as approved and directed by the Engineerincharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	32.000			
	52-ii	(ii) Lever Type Basin Mixer	Each	10.000			
	52-iii	(iii) Double Bib Cock	Each	4.000			
	52-v	(v) Muslim shower	Each	10.000			
	52-vi	(vi) Waste Coupling	Each	10.000			
	52-vii	(vii) Bottle Trap	Each	10.000			
54	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	8.000			

55	55.3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	30.000			
56	55,i/134	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.					
		(i) 15 Gal capacity	Each	1.000			
57	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	1650.000			
58	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	21.000			
59	1-a/141	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand					
		i) from 0' to 5' (0 to 1.5 m) depth	%0Cft.	317.925			

		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	%0Cft.	317.925			
60	2-a/141	Dry sinking of well i/c loading and removing excavated material within one chain in ordinary soil					
		i) 10 - 15 ft	%0Cft.	206.308			
		ii) 15.1 - 20 ft	%0Cft.	206.308			
61	8,a/143	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate (1:1.5:3)	P.Cft	58.875			
62	9/143	Providing and fixing structural steel for cutting edge	%Kg	92.954			
63	1,d/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:- d) 6" (150 mm) i/d	P.Rft	100.000			
64	2,b/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:- d) 6" (150 mm) i/d	P.Rft	100.000			

65	3,b/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200 ft. to 300 ft. below ground level, including sinking and withdrawing of casing pipe, complete:- d) 6" (150 mm) i/d	P.Rft	100.000			
66	11,b/146	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- b) 4" i/d (100 mm)	P.Rft	60.000			
67	14,a,ii/147	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B'b) 4" i/d (100 mm)	Each	1.000			
68	16,b/148	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (125 mm)	P.Rft	238.000			
69	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	18.000			
70	23,ii,c/150	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs,	P.Rft	300.000			

		etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality					
71	27-b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	20.000			
72	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d		326.000			
	28-a	a) 2" i/d		200.000			
73	38,ii e/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	%Sft	2.000			
74	39,ii,e/154	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	2.000			

75	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	1.000			
76	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned). a) PN-20 pipe					
	47-b-ii	(ii)(3/4") 25 mm	P.Rft	200.000			
	47-b-iii	(iii)(1") 32 mm	P.Rft	100.000			
77	47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	50.000			

78	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials					
	3-ii	3/4" i/d	P.Rft	1312.400			
	3-iii	1" i/d	P.Rft	656.200			
80	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P.Rft	1312.400			
	10-a-iii	7/0.029	P.Rft	262.480			
	10-a-iv	7/0.036	P.Rft	328.100			
81	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts iv) 7/0.91 mm (7/0.036")	P.Rft	32.810			
82	13-a-v/170	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC	P.Rft	164.050			

		sheathed 2 core, 250/440 volt (7/0.044")					
83	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equilent to . (7"x4") Box In Area	Each	4.000			
84	18,a,i/171	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole: i) 15/20 Amp.	Each	1.000			
85	43-ii/175	S/E of Tubeligt, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	4.000			
86	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	4.000			
87	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2")	Each	1.000			

		dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.					
88	72-b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P.Rft	196.860			
89	86/181	Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASA KI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	10.000			
		10 Amp	Each	2.000			
		20 Amp	Each	2.000			
	86-b-iii	Double Pole					
		6-63 Amp (10 KA)	Each	2.000			

90	90,a,i/18 3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					
		(i) 20~60A (18"x24"x6")	Per.Cft	1.500			
91	102- a,ii/189	Providing and fixing Copper winded Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	10.000			

92	103,a/1 89	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	12.000			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	6.000			
	103-a-vi	(vi) Fan Dimmer	Each	4.000			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	2.000			
93	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware i/c using imported brushes for dust proofing and imported rular complete in all respect and as approved by engineer in-charge.	P.Sft	180.000			

94	53/208	<p>Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.</p>	P.Sft	90.000			
95	62,ii/210	<p>P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge</p>	P.Sft	28.000			

96	64/210	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Sft	68.750			
97	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	371.250			
98	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite Proofing of builing by bspraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft	2174.690			
NON-SCHEDULE							

99	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	P.Sft	194.500			
100	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	PRft	166.000			
101	N.S	1" (25mm) thick cement plaster 1:4 in three layers on walls in ground floor including making edges, corners and curing etc. complete	%Sft	1276.000			
102	N.S	Supply and erection of wooden brackets of Partal wood as per size, design and shape mentioned in the drawing including making curves etc. including painting as approved by engineer in-charge	Each	28.000			
103	N.S	Finishing of three step cornice with 1/2" thick cement sand motor 1:3	%Rft	191.500			
104	N.S	PCC kingari blocks (minaris) of PCC 2" thickness, 2' high approved design and shade fixed over parapet wall with 1:3 c/s mortar i/c painting with weather shield as per approved design, as approved and directed by engineer in-charge	P.Rft	161.500			
105	NS	S/E of SDM LED light concealed/recessed	Each	10.000			

		including making connections 10-Watt					
106	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	10.000			
107	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	2.000			
108	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	4.000			
109	N.S	Cost of Electric Connection from IESCO including cost of service connection Cable Lumpsum	Each	1.000			
110	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	4.000			
111	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without padestal)	Each	30.000			
112	N.S	Providing and fixing looking glass 5 mm	P.Sft	93.000			

		thick best quality China (7' x 3')					
113	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	2.000			
114	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	14.000			
115	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	2.000			
116	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa)	Job	1.000			
Sub-Total =							
(C) BOQ FOR DISTRICT CHAKWAL							
1	1/3	Subsequent carriage of bajri from Sargodhaquarry to site 150 Km	%Cft	3460.890			
		30 Km	%Cft	277.940			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	4570.033			
3	15,ii/29	Filling, watering & ramming earth under floor with new earth from out side lead upto 3 mile	%0Cft	474.000			
4	21,a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure	%0Cft	8691.779			

		with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual					
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth Manholes	%Cft.	6016.500			
6	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 -do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	600.000			
7	3.d/41	P/L cement concrete using bricks of stone ballast 1.5" to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	2696.472			
8	5-f, 41	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	%Cft	459.895			
9	5(i)/41	Cement concrete plain using finishing	%Cft	64.140			

		and curing concrete (1:4:8)					
10	6,a,iii,c/ 42	Reinforcement of cement concrete in slab of rafts/strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e. horizontal shuttering) complete in all respect (1:2:4).	P.Cft	474.619			
11	6,a,i,3,c/ 42	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	P.Cft	3340.843			
12	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	13021.90 8			
13	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and Shingle); including bituman coating with	%Sft	699.703			

		one coat of polythene sheet 500 gauge (40 mm)					
14	37,a,iii/4 8	Providing and laying damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13 mm)1:2	%Sft	460.453			
15	38,a,ii/4 8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13 mm)	%Sft	788.300			
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	3557.184			
17	4,i/52	Pacca brick work in cement sand mortar (1:4) in foundation and plinth	%Cft	27.000			
18	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	5956.833			
19	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	622.679			
20	(5,i + 6,i)/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	756.270			
21	7,i/53	Pacca brick work in cement sand mortar (1:6) in other then Building upto 10ft	%Cft	1957.125			
22	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building (0 - 10 ft depth)	%Cft.	813.572			
23	7-i+ 8 /53	Pacca brickwork in 1:4 C/S mortar other than building (10.1 - 20 ft depth)	%Cft.	755.072			

24	10/54	Extra for pacca brick work in steining of wells or any other circular masonry.	%Cft.	1510.144			
25	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	1290.313			
26	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	1401.219			
27	15/63	Khurras on roof 2'x2'x6"	Each	7.000			
28	3/68	P/L of brick or stone ballast 1-1/2 to 2 inch gauge	%Cft	1290.313			
29	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½"(40 mm) thick	%Sft	1713.750			
30	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and	PSft	2547.469			

		directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"					
31	25,i/70	Providing and laying superb quality Ceramic tiles dado of Masterbrand of specified size,Glossy/Matt/Texture skirting/dado of approvedColor and Shade with adhesive bond over 1/2"thick (1:2) cementplaster i/c the cost of sealer for finishing the joints i/c cutting grindingcomplete in all respects as approved and directed by the EngineerIncharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	PSft	11899.50 0			
32	41-b/73	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm	P.Sft	1200.000			

33	48/74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	353.625			
34	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	66.000			
35	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	718.000			
36	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	5818.250			
37	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	10189.50 0			
38	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	2554.688			

39	7,b,ii/81	<p>Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge</p> <p>b) Oak/Ash wood Door(ii) 1-3/4" thick (45 mm)</p>	PSft	192.000			
40	15,a,/83	<p>Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)</p>	P.Sft	84.000			
41	59,ii/89	<p>P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the</p>	PSft	99.690			

		cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)					
42	61,b-ii/90	P/F brass sliding bolt 12" long	Each	6.000			
43	31 (a+2b)/9 6	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	5700.156			
44	33A(i+2i i)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 3 coats	%Sft	6452.140			
45	15- c/105	Supply and dumping at site, without boat, including handling of materials within three chains (90 m) c) brick bats	%Cft.	847.800			
46	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	21.000			

47	13(i)/12 6	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copperconnection, etc. complete. i) white	Each	14.000			
48	18/127	Providing and fixing, chromium plated toilet paper holder	Each	21.000			
49	31(i)/12 8	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	8.000			
50	35(ii)/12 9	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	14.000			
51	34(i)/13 0	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	49.000			
52	51/132	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE),double pypolyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	P.Gallon	1600.000			

53	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower, waste coupling and bottle trapetc. complete in all respect as approved and directed by the Engineer incharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	106.000			
	52-ii	(ii) Lever Type Basin Mixer	Each	33.000			
	52-iii	(iii) Double Bib Cock	Each	15.000			
	52-v	(v) Muslim shower	Each	40.000			
	52-vi	(vi) Waste Coupling	Each	33.000			
	52-vii	(vii) Bottle Trap	Each	33.000			
54	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.					
		(i) 15 Gal capacity	Each	4.000			
55	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	26.000			

56	55.3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	112.000			
57	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	310.000			
58	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	26.000			
59	1-a/141	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand					
		i) from 0' to 5' (0 to 1.5 m) depth	%0Cft.	953.775			
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	%0Cft.	953.775			
60	2-a/141	Dry sinking of well i/c loading and removing excavated material within one chain in ordinary soil					
		i) 10 - 15 ft	%0Cft.	618.923			
		ii) 15.1 - 20 ft	%0Cft.	618.923			
61	8,a/143	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface,	P.Cft	176.625			

		(including screening and washing of aggregate (1:1.5:3))					
62	9/143	Providing and fixing structural steel for cutting edge	%Kg	278.861			
63	1,c/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-					
		c) 5" (125 mm) i/d	P.Rft	300.000			
64	2,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 5" (125 mm) i/d	P.Rft	250.000			
65	3,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200.1 ft. to 300 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 5" (125 mm) i/d	P.Rft	100.000			

66	11,b/14 6	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- b) 4" i/d (125 mm)	P.Rft	240.000			
67	14,a,ii/1 47	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B' b) 4" i/d (100 mm)	Each	3.000			
68	16,b/14 8	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)	P.Rft	504.000			
69	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	38.730			
70	23,ii,c/1 50	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality	P.Rft	700.000			
71	27- b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in	P.Rft	60.000			

		trenches, complete in all respects:- 4" i/d (100 mm)					
72	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	1061.000			
	28-a	a) 2" i/d	P.Rft	660.000			
73	38,ii (e)/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	7.000			
74	39,ii,e/154	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	7.000			
75	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.i) G-II (1-1/4"x3/4") with 1 HP Electric	Each	4.000			

		Motor, 21-Mtr Suction and 21 M delivery head					
76	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).					
		a) PN-20 pipe					
	47-b-ii	(ii)(3/4") 25 mm	P.Rft	670.000			
	47-b-iii	(iii)(1") 32 mm	P.Rft	340.000			
	47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	150.000			
77	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials					

	3-ii	3/4" i/d	P. Rft	2296.700			
	3-iii	1" i/d	P. Rft	1049.920			
78	p-168	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P. Rft	3281.000			
	10-a-iii	7/0.029	P. Rft	656.200			
	10-a-iv	7/0.036	P. Rft	918.680			
79	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts					
		iv) 7/0.91 mm (7/0.036")	P.Rft	108.430			
80	13-a-v/169	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	754.630			
81	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6"	Each	12.000			

		Dia Box Equilent to . (7"x4") Box In Area					
82	18,a,i/17 1	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc.a) double pole: i) 15/20 Amp.	Each	4.000			
83	43-ii/175	S/E of Tubeligt, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	12.000			
84	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	12.000			
85	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	4.000			
86	72-b- ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles,	P. Rft	639.795			

		etc. (Copper wire: 20SWG)					
87	86/181	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker)of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASA KI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	34.000			
		10 Amp	Each	8.000			
		20 Amp	Each	8.000			
	86-b-iii	Double Pole 6-63 Amp (10 KA)	Each	7.000			
88	90,a,i/18 3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,					

		Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					
		(i) 20~60A (18"x24"x6")	Per.Cft	6.000			
89	102-a,ii/189	Providing and fixing Copper winded Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	34.000			
90	103,a/1 89	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	42.000			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	20.000			
	103-a-vi	(vi) Fan Dimmer	Each	12.000			

	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	8.000			
91	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware I/C using imported brushes for dust proofing and imported rular complete in all respect and as approved by the Engineer Incharge.	P.Sft	580.000			
92	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge.	P.Sft	290.000			

		complete in all respect.					
93	62,ii/210	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	P.Sft	84.000			
94	64/210	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing &	P.Sft	206.250			

		polishing complete in all respects as approved and directed by the Engineer Incharge.					
95	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	1247.344			
96	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of builing by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	Per Sft	9083.070			
NON-SCHEDULE							
97	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	PSft	674.500			
98	N.S	P/F of PVC coated chaukat including architrave and	PRft	581.000			

		rubber seal (6"-10") 0.35mm PVC					
99	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	981.770			
100	N.S	Supply and erection of wooden brackets of Partal wood as per size, design, shape mentioned in the drawing including making curves etc. including painting as approved by engineer in-charge	Each	28.000			
101	N.S	P/F PVC wall paneling approved color / texture, plain / grooved design (Pak Made) of 8 mm thick 10" wide strip male / female with in-built groves i/c cost of top bottom U-channel gola and corner gola of same material i/c cost of steel nails rowal plugs, screws & elfi i/c carriage and labour charges as per entire satisfaction of engineer in-charge	P.Sft	352.000			
102	N.S	P/L 2' thick and 12" wide P.C.C copping finished with 1:3 C/S Plaster	P.Sft	561.000			

103	NS	Extra deep cut grooves of approved sizes and design are made on plastered surface of any description in any floor	%sft	6287.640			
104	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	34.000			
105	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	37.000			
106	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	9.000			
107	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	12.000			
108	N.S	Cost of Electric Connection from IESCO including cost of service connection Cable Lumpsum	Each	4.000			
109	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	14.000			

110	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without pedestal)	Each	99.000			
111	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	P.Sft	391.500			
112	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	8.000			
113	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	49.000			
114	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	7.000			
115	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa)	Job	4.000			
Sub-Total =							
(D) BOQ FOR DISTRICT MIANWALI							
1	1/3	Subsequent carriage of bajri from Sargodhaquarry to site 180 Km	%Cft	1145.5			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	1304.375			
3	15,ii/29	Filling, watering & ramming earth under floor with new	%0Cft	158			

		earth from out side lead upto 3 mile					
4	21,a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavted earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual	%0Cft	2570.44			
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	%0Cft.	885.5			
6	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 -do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	150			
7	3.d/41	P/L cement concrete using bricks of stone ballast 1.5" to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	752.8			
8	5-f // 41	Cement concrete 1:2:4 ratio in man holes & under floors	%Cft.	124.7734 38			

9	5,i/41	Cement concrete plain using finishing and curing concrete (1:4:8)	%Cft	21.38			
10	6,a,iii,c/42	Reinforcement of cement concrete in slab of rafts/strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e. horizontal shuttering) complete in all respect (1:2:4).	P.Cft	146.55			
11	6,a,i,3,c/42	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	P.Cft	988.06			
12	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	3627.84			

13	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and Shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	212.4218 75			
14	37,a,iii/4 8	Providing and laying damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13 mm)	%Sft	134.8593 75			
15	38,a,ii/4 8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13 mm)	%Sft	222.6			
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	1074.696 69			
17	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	1851.09			
18	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	138.2812 5			
19	(5,i + 6,i)/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	252.09			
20	7,i/53	Pacca brick work in cement sand mortar (1:6) in other then Building upto 10ft	%Cft	437			
21	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	426.0729 17			

22	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	367.25			
23	15/63	Khurras on roof 2'x2'x6"	Each	2			
24	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	%Cft	426.073			
25	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½" (40 mm) thick	%Sft	493			
26	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over ¾" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and	PSft	741.6875			

		<p>directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"</p>					
27	25,i/70	<p>Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.) 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"</p>	P.Sft	3712.75			
28	41-b/72	<p>Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm</p>	P.Sft	300			

29	48/74	Extra for Beveling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	110.875			
30	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of beveling of internal edge as approved and directed by the Engineer Incharge.	Each	20			
31	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	230			
32	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	1072			
33	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	3431.5			
34	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	731.1875			

35	7,b,ii/81	<p>Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge</p> <p>b) Oak/Ash wood Door(ii) 1-3/4" thick (45 mm)</p>	P.Sft	64			
36	15,a,/83	<p>Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-</p> <p>a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)</p>	P.Sft	28			
37	60,ii/90	<p>P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with</p>	PSft	33.23			

		(1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)					
38	31 (a+2b)/9 6	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	1803.187 5			
39	33A(i+2i i)/96	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 3 coats	%Sft	2095.88			
40	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	6			
41	13(i)/12 6	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copperconnection,	Each	4			

		etc. complete. i) white					
42	31(i)/12 8	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	2			
43	18/129	Providing and fixing, chromium plated toilet paper holder	Each	6			
44	34(i)/12 9	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	14			
45	35(ii)/12 9	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	4			
46	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	32			
	52-ii	(ii) Lever Type Basin Mixer	Each	10			
	52-iii	(iii) Double Bib Cock	Each	4			
	52-v	(v) Muslim shower	Each	12			
	52-vi	(vi) Waste Coupling	Each	10			
	52-vii	(vii) Bottle Trap	Each	10			

47	51/132	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double polyethylene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.	PerGal Ion	400			
48	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.					
		(i) 15 Gal capacity	Each	1.00			
49	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	8			
50	55,3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	30			
51	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	60			

52	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	8			
53	1,d/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:- c) 5" (125 mm) i/d	P.Rft	100			
54	2,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-a) 5" (125 mm) i/d	P.Rft	100			
55	3,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200 ft. to 300 ft. below ground level, including sinking and withdrawing of casing pipe, complete:- a) 5" (125 mm) i/da) 5" (125 mm) i/d	P.Rft	50			

56	11,b/14 6	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- b) 4" i/d (100 mm)	P.Rft	140			
57	14,a,ii/1 47	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class `B' ii) 4" i/d (100 mm)	Each	1			
58	16,b/14 8	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)	P.Rft	108			
59	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	4.91			
60	23,ii,c/1 50	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality	P.Rft	150			
61	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with					

		`D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d		326			
	28-a	a) 2" i/d		200			
62	38,ii (e)/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	2			
63	39,ii,e/1 54	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	2			
64	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	1			

65	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/E xternal Diameters mentioned).						
		a) PN-20 pipe						
		47-b-ii	(ii)(3/4") 25 mm	P.Rft	200			
		47-b-iii	(iii)(1") 32 mm	P.Rft	100			
		47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	50			
66	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials						
		3-ii	3/4" i/d	P. Rft	1312			
		3-iii	1" i/d	P. Rft	656			
67	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an						

		capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P. Rft	1312			
	10-a-iii	7/0.029	P. Rft	262			
	10-a-iv	7/0.036	P. Rft	328			
68	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts iv) 7/0.91 mm (7/0.036")	P.Rft	32.81			
69	13-a-v/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	164			
70	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equilent to . (7"x4") Box In Area	Each	4			

71	18,a,i/17 1	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc.a) double pole:i) 15/20 Amp.	Each	1			
72	43-ii/175	S/E of Tubeligt, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	4			
73	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	4			
74	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	1			
75	72-b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P. Rft	197			

76	86/181	<p>Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker)of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASA KI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	10.00			
		10 Amp	Each	2.00			
		20 Amp	Each	2.00			
	86-b-iii	Double Pole					
		6-63 Amp (10 KA)	Each	2			
77	90,a,i/18 3	<p>P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and</p>					

		directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					
		(i) 20~60A (18"x24"x6")	Per.Cft	1.50			
78	102,a,ii/ 189	Providing and fixing Copper winded Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	10			
79	103,a/1 89	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	12			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	6			
	103-a-vi	(vi) Fan Dimmer	Each	4			

	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	2			
80	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware I/C using imported brushes for dust proofing and imported rular complete in all respect and as approved by the Engineer Incharge.	P.Sft	180			
81	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge.	P.Sft	90			

		complete in all respect.					
82	62,ii/210	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	P.Sft	28			
83	64/210	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing &	P.Sft	68.75			

		polishing complete in all respects as approved and directed by the Engineer Incharge.					
84	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	371.25			
85	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of builing by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	Per Sft	2948.94			
NON-SCHEDULE							
86	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	PSft	194.5			
87	N.S	P/F of PVC coated chaukat including architrave and	PRft	166			

		rubber seal (6"-10") 0.35mm PVC					
88	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	176			
89	N.S	P/L 2' thick and 12" wide P.C.C copping finished with 1:3 C/S Plaster	P.Sft	187			
90	NS	Extra deep cut grooves of approved sizes and design are made on plastered surface of any description in any floor	%sft	2095.88			
91	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	10			
92	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	10			
93	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	2			
94	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric	Each	4			

		wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary					
95	N.S	Cost of Electric Connection from FESCO including cost of service connection Cable Lumpsum	Each	1.00			
96	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	4			
97	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without padestal)	Each	30			
98	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	Sft	93			
99	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	2			
100	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	14			
101	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	2			

102	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete 5 Kwa	Job	1			
Sub-Total =							
G-Total =							

BILL OF QUANTITIES (LOT-3)

NAME OF WORK: CONSTRUCTION / RENOVATION OF TOILET BLOCKS AT DIFFERENT HERITAGE & TOURIST SITES IN CENTRAL ZONE.

(A) DISTRICT LAHORE

1. SHALAMAR GARDEN-1
2. SHALAMAR GARDEN-2
3. NOOR JAHAN TOMB
4. JAHANGIR TOMB
5. TDCP SIGHT SEEING TERMINAL LAHORE

(B) DISTRICT KASUR

1. CHANGA MANGA

(C.) DISTRICT SHEIKHUPURA

1. SHEIKHUPURA FORT
2. HIRAN MINAR

(D) DISTRICT SAHIWAL

1. HARAPA MEUSEUM

(A) BOQ FOR DISTRICT LAHORE

Sr. No.	Ref. to MRS	Description	Unit	Total Quantity	Rate Quoted		Amount (PAK Rs.)
					In Figures	In Words	
1	1/3	Subsequent carriage of bajri from Sargodha quarry to site 180 Km	%Cft	2416.3			
		198 Km	%Cft	2412.5			
		211 Km	%Cft	140.02			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	5590.9			

3	15,ii/29	Filling, watering & ramming earth under floor with new earth from out side lead upto 3 mile	%0Cft	632			
4	21,a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavted earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual	%0Cft	10503			
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth Manholes	%0Cft.	10888.6			
6	16/35	Dismentling of Brick Blast under floor	%Cft	40.8			
7	19 c/35	Dismentling of cement concrete ,tiles flooring or skirting.1:2:4	%Cft	46.95			
8	32a/36	Removing Door with chukat	Each	2			
9	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 - do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	750			
10	3.d/41	P/L cement concrete using bricks of stone ballast 1.5" to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	3229.5			

11	5,f/41	Cement concrete plain including placing, 20.1 compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	%Cft	670.66			
12	5-i/41	Cement concrete plain using finishing and curing concrete (1:4:8)	%Cft	48.09			
13	6,a,iii,c/4 2	Reinforcement of cement concrete in slab of rafts/strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e. horizontal shuttering) complete in all respect (1:2:4).	P.Cft	529.22			
14	6,a,i,c/4 2	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	P.Cft	4505.41			
15	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	16402.00			

16	36,a,i/47	Providing and damp proof course of cement concrete 1:2:4 (using cement, sand and shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	885.68			
17	37,a,iii/48	Providing and damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13mm) 1:2	%Sft	539.43			
18	38,a,ii/48	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13mm dia)	%Sft	927.9			
19	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	4520.58			
20	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	7846.31			
21	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	553.125			
22	5,i+6i/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	1001.25			
23	7,i/53	Pacca brick work in cement sand mortar (1:6) in other than Building upto 10ft	%Cft	2020.25			
24	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building (0 - 10 ft depth)	%Cft.	271.19			
25	7-i+ 8 /53	Pacca brickwork in 1:4 C/S mortar other than building (10.1 - 20 ft depth)	%Cft.	251.69			
26	10/54	Extra for pacca brick work in steining of wells	%Cft.	503.38			

		or any other circular masonry.					
27	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	1742.35			
28	38,i/57	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge.	P.Sft	2532.44			
29	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	1656.81			
30	15/63	Khurras on roof 2'x2'x6"	Each	9			
31	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	%Cft	1783.14			
32	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½"(40 mm) thick	%Sft	2144.5			

33	24,i/70	<p>Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"</p>	PSft	3304.75			
34	25,i/70	<p>Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"</p>	PSft	15400.5			
35	41-b/72	<p>Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm</p>	P.Sft	1500			

36	48/74	Extra for Beveling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	472.5			
37	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of beveling of internal edge as approved and directed by the Engineer Incharge.	Each	84			
38	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	970			
39	8,b/76	1/2" thick cement plaster (1:3) upto 20' height inside parapet	%Sft	1020			
40	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	13148.3			
41	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	4590			
42	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	3285.9			

43	7,b,ii/81	<p>Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge b) Oak/Ash wood Door(ii) 1-3/4" thick (45 mm)</p>	PSft	256			
44	15,a,/83	<p>Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)</p>	P.Sft	112			
45	60,ii/90	<p>P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of</p>	PSft	132.92			

		chowkat will be made basis for payment)					
46	61,b,ii/90	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineer Incharge.Brass 12" long	Each	8			
47	31 (a+2b)/96	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	7595.75			
48	33A(i+2ii)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 2 coats	%Sft	3132.5			
49	15-c/105	Supply and dumping at site, without boat, including handling of materials within three chains (90 m) c) brick bats	%Cft.	282.61			
50	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and	Each	26			

		directed by the Engineer Incharge.					
51	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copperconnection, etc. complete. i) white	Each	16			
52	18/127	Providing and fixing, chromium plated toilet paper holder	Each	26			
53	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	8			
54	34(i)/129	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	60			
55	35(ii)/129	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	16			
56	51/132	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double pypolyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	P.Gallon	2000			

57	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower,waste coupling and bottle trapetc. complete in all respect as approved and directed by the Engineerincharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	134			
	52-ii	(ii) Lever Type Basin Mixer	Each	42			
	52-iii	(iii) Double Bib Cock	Each	18			
	52-v	(v) Muslim shower	Each	50			
	52-vi	(vi) Waste Coupling	Each	42			
	52-vii	(vii) Bottle Trap	Each	42			
58	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.					
		(i) 15 Gal capacity	Each	5			
59	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	32			
60	55,3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	144			
61	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	950			

62	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or onemaund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	34			
63	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	P.Rft	1			
64	1-a/141	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand					
		i) from 0' to 5' (0 to 1.5 m) depth	%0Cft.	317.92			
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	%0Cft.	317.92			
65	2-a/141	Dry sinking of well i/c loading and removing excavated material within one chain in ordinary soil					
		i) 10 - 15 ft	%0Cft.	206.30			
		ii) 15.1 - 20 ft	%0Cft.	206.30			
66	8,a/143	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface,	P.Cft	58.87			

		(including screening and washing of aggregate (1:1.5:3))					
67	9/143	Providing and fixing structural steel for cutting edge	%Kg	92.95			
68	1,c/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-					
		c) 5" (125 mm) i/d	P.Rft	400			
69	2,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 5" (125 mm) i/d	P.Rft	200			
70	11,b/146	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- b) 4" i/d (125 mm)	P.Rft	80			
71	14,a,ii/147	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B'					
		b) 4" i/d (100 mm)	Each	4			
72	16,b/148	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.					
		b) 4" i/d (100 mm)	P.Rft	512			

73	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	66.5			
74	23,ii,c/150	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality	P.Rft	840			
75	27-b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	20			
76	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	1356			
	28-a	a) 2" i/d	P.Rft	860			
77	38,ii,e/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	9			
78	39,ii,e/154	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	9			

79	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	5			
80	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).					
		a) PN-20 pipe					
	47-b-ii	(ii)(3/4") 25 mm	P.Rft	840			
	47-b-iii	(iii)(1") 32 mm	P.Rft	440			
	47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	200			
81	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface,					

		etc., complete with all specials					
	3-ii	3/4" i/d	P. Rft	5380.6			
	3-iii	1" i/d	P. Rft	2690.8			
82	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P. Rft	5577.6			
	10-a-iii	7/0.029	P. Rft	1147.92			
	10-a-iv	7/0.036	P. Rft	1378.4			
83	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-a) PVC insulated, PVC sheathed twin core, 250/440 volts					
		iv) 7/0.91 mm (7/0.036")	P.Rft	164.05			
84	13-a-v/170	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	656.2			
85	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equilent to . (7"x4") Box In Area	Each	18			

86	18,a,i/17 1	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole: i) 15/20 Amp.	Each	5			
87	43-ii/175	S/E of Tubelight, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	16			
88	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	18			
89	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	4			
90	72-b- ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P. Rft	820.44			

91	86/181	Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	86-a-iii	Single Pole 6-63 Amp (10 KA)				
		5 Amp	Each	40		
		10 Amp	Each	8		
		20 Amp	Each	8		
	86-b-iii	Double Pole				
		6-63 Amp (10 KA)	Each	8		
92	90,a,i/18 3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep				
		(i) 20~60A (18"x24"x6")	Per.Cft	6		

93	102-a,ii/189	Providing and fixing Copper wined Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	42			
94	103,a/189	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	56			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	28			
	103-a-vi	(vi) Fan Dimmer	Each	16			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	10			
95	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware i/c using imported brushes for dust proofing and	P.Sft	730			

		imported rular complete in all respect and as approved by engineer in-charge.					
96	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	P.Sft	365			
97	62,ii/210	P/F Iron door comprising of specified leaves made of 1- 1/4"x1- 1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	P.Sft	112			

98	64/210	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Square pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gables fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Sft	275			
99	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	1635.5			
100	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of building by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft	10762.1			
NO N- SC HE DU LE							

101	N.S	Embossing thappa for depression of approved design in fresh plaster as directed by engineer in-charge	P.Sft	705			
102	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	PSft	871			
103	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	PRft	741			
104	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	1655			
105	N.S	P/F of clay jali 2" thick laid in 1:3 mortar of matching colour of approved design, shade, quality as approved & directed by engineer in-charge	P.Sft	672			
106	N.S	Supply and erection of wooden brackets of Partal wood as per size, design and shape mentioned in the drawing including making curves etc. including painting as approved by engineer in-charge	Each	112			
107	N.S	Finishing of three step cornice with 1/2" thick cement sand motor 1:3	%Rft	766			
108	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	40			

109	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	46			
110	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	9			
111	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	18			
112	N.S	Cost of Electric Connection from IESCO including cost of service connection Cable Lumpsum	Each	5			
113	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	16			
114	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without pedestal)	Each	126			
115	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	P.Sft	513.18			
116	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	10			

117	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	60			
118	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	8			
119	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa)	Job	4			
		Sub-Total =					
(B) BOQ FOR DISTRICT KASUR							
1	1/-3	Subsequent carriage of bajri from Sargodha quarry to site 210 Km	%Cft	1145.495			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	1304.37			
3	15,ii/29	Filling, watering & ramming earth under floor with new earth from out side lead upto 1 mile	%0Cft	158			
4	21,a,ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil.By Manual	%0Cft	2682.93			

5	42- i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth Manholes	%0Cft.	717.5			
6	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 - do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	150			
7	3,d/41	P/L cement concrete using bricks of stone ballast 1 1/2' to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	749.65			
8	5,i/41	Cement concrete plain using finishing and curing concrete(1:4:8)	%Cft	21.376			
9	5,f/41	Cement concrete plain including placing, 20.1 compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	%Cft	115.395			
10	6a,iii,c/4 2	Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls etc and other structural members other than these mentioned in above not requiring form work (i.e horizontal shuttering) complete in all respect (1:2:4).	P.Cft	146.55			

11	6,a,i,c/4 2	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	P.Cft	972.2			
12	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/ c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	3520.785			
13	36,a,i/47	Providing and damp proof course of cement concrete 1:2:4 (using cement, sand and shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	223.67			
14	37,a,iii/4 8	Providing and damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13mm) 1:2	%Sft	134.85			
15	38,a,ii/4 8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13mm)	%Sft	222.6			

16	4-i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	1125.32			
17	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	1937.71			
18	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	138.28			
19	5,i+6i/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	252.09			
20	7-i/53	Pacca brick work in cement sand mortar (1:6) in other than building upto 10ft	%Cft	334.62			
21	15,b/56	Extra for dressing or chamfering brick for all other purposes	%no.	538			
22	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	426.07			
23	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	367.25			
24	15/63	Khurras on roof 2'x2'x6"	Each	2			
25	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	%Cft	426.07			
26	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½" (40 mm) thick	%Sft	493			

27	24,i/70	<p>Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"</p>	P.Sft	741.65			
28	25,i/70	<p>Providing and laying superb quality Ceramic tiles dado of Masterbrand of specified size,Glossy/Matt/Texture skirting/dado of approvedColor and Shade with adhesive bond over 1/2"thick (1:2) cementplaster i/c the cost of sealer for finishing the joints i/c cutting grindingcomplete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"</p>	P.Sft	3712.75			
29	41-b/72	<p>Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured)60 mm</p>	P.Sft	300			

30	48/74	Extra for Beveling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	110.87			
31	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of beveling of internal edge as approved and directed by the Engineer Incharge.	Each	20			
32	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	230			
33	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	1072			
34	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	3116.5			
35	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	731.18			

36	7,b,ii/81	<p>Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge</p> <p>b) Oak/Ash wood Door(ii) 1-3/4" thick (45 mm)</p>	PSft	64			
37	15,a,/83	<p>Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)</p>	P.Sft	28			
38	60,ii/90	<p>P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of</p>	PSft	33.23			

		chowkat will be made basis for payment)					
39	61,b,ii/90	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" long	Each	2			
40	31 (a+2b)/96	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	1803.18			
41	33A(i+2ii)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 2 coats	%Sft	2095.88			
42	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	6			
43	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including	Each	4			

		bracket set, copperconnection, etc. complete. i) white					
44	18/127	Providing and fixing, chromium plated toilet paper holder	Each	6			
45	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	2			
46	34(i)/129	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	14			
47	35(ii)/129	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	4			
48	51/132	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double plympolyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	P.Gallon	400			
49	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower, waste coupling and bottle trapetc. complete in all respect as approved and directed by the Engineerincharge.					

	52-i	(i) 3 No Tee Stop Cock	Each	32			
	52-ii	(ii) Lever Type Basin Mixer	Each	10			
	52-iii	(iii) Double Bib Cock	Each	4			
	52-v	(v) Muslim shower	Each	12			
	52-vi	(vi) Waste Coupling	Each	10			
	52-vii	(vii) Bottle Trap	Each	10			
50	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge. (i) 15 Gal capacity	Each	1			
51	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	8			
52	55,3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	36			
53	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	50			
54	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	5			

55	1,c/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-					
		c) 4" (125 mm) i/d	P.Rft	100			
56	2,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 4" (125 mm) i/d	P.Rft				
57	11,b/146	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:-					
		b) 2" i/d (100 mm)	P.Rft	40			
58	14,a,ii/147	Providing and installing PVC Bail plug in tubewell bore hole B.S.S. Class `B'					
		b) 2" i/d (100 mm)	Each	1			
59	16,b/148	Providing and installing P.V.C. blind pipe, B.S.S. Class `B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.					
		b) 4" i/d (100 mm)	P.Rft	26			
		b) 2" i/d (50 mm)	P.Rft	61			
		b) 1 1/4" i/d (37 mm)	P.Rft	122			
60	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft				

61	23,ii,c/1 50	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick					
		Medium Quality	P.Rft	150			
62	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	326			
	28-a	a) 2" i/d	P.Rft	200			
63	38,ii e/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	2			
64	39,ii,e/1 54	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	2			
65	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-	Each	1			

		Mtr Suction and 21 M delivery head						
66	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).						
		a) PN-20 pipe						
		47-b-ii	(ii)(3/4") 25 mm	P.Rft	200			
		47-b-iii	(iii)(1") 32 mm	P.Rft	100			
		47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	50			
67	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials						
		3-ii	3/4" i/d	P. Rft	1312.4			
		3-iii	1" i/d	P. Rft	656.2			

68	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:				
	10-a-i	3/0.029	P. Rft	1312.4		
	10-a-iii	7/0.029	P. Rft	262.4		
	10-a-iv	7/0.036	P. Rft	328.1		
69	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts iv) 7/0.91 mm (7/0.036")	P.Rft	32.81		
70	13-a-v/170	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	164.05		
71	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equilent to . (7"x4") Box In Area	Each	4		
72	18,a,i/171	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth for with necessary flexible	Each	1		

		pipe and thimbles, etc. a) double pole: i) 15/20 Amp.					
73	43-ii/175	S/E of Tubelight, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	4			
74	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	4			
75	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	1			
76	72-b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P. Rft	196.86			
77	86/181	Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in					

		prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	10			
		10 Amp	Each	2			
		20 Amp	Each	2			
	86-b-iii	Double Pole					
		6-63 Amp (10 KA)	Each	2			
78	90,a,i/183	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep (i) 20~60A (18"x24"x6")	Per.Cft	1.5			
79	102-a,ii/189	Providing and fixing Copper winded Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling	Each	10			

		rose complete as approved and directed by Engineer Incharge					
80	103,a/18 9	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	12			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	6			
	103-a-vi	(vi) Fan Dimmer	Each	4			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	2			
81	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware i/c using imported brushes for dust proofing and imported rular complete in all respect and as approved by engineer in-charge.	P.Sft	180			

82	53/208	<p>Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.</p>	P.Sft	90			
83	62,ii/210	<p>P/F Iron door comprising of specified leaves made of 1-1/4"x1- 1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge</p>	P.Sft	28			
84	64/210	<p>Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3- Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects</p>	P.Sft	68.75			

		as approved and directed by the Engineer Incharge.					
85	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	371.25			
86	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite Proofing of builing by bspraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft	2948.93			
NO N- SC HE DU LE							
87	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	P.Sft	194.5			
88	N.S	P/F of PVC coated chaukat including architrave and rubber	PRft	166			

		seal (6"-10") 0.35mm PVC					
89	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	%Sft	2502.87			
90	N.S	P/L 2" thick and 12" wide PCC copping finished with 1:3 c/s plaster	P.Rft	187			
91	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	10			
92	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	10			
93	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	2			
94	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	4			
95	N.S	Cost of Electric Connection from LESCO including cost of service connection Cable Lumpsum	Each	1			
96	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern)	Each	4			

		combined with foot rest. Porta HD-17 (White)					
97	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	P.Sft	123			
98	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD- 1 (White without padestal)	Each	30			
99	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	2			
100	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	14			
101	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	2			
102	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa).	Job	1			
		Sub-Total =					
(C) BOQ FOR DISTRICT SHEIKHUPURA							
1	1/3	Subsequent carriage of bajri from Sargodha quarry to site 150 Km	%Cft	2415.79			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	2608.75			

3	15,ii/29	Filling, watering & ramming earth under floor with new earth from out side lead upto 3 mile	%0Cft	316			
4	21,a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavted earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil	%0Cft	4972.88			
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depthManholes	%0Cft.	18184.3			
6	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 - do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	300			
7	3.d/41	P/L cement concrete using bricks of stone ballast 1 1/2' to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	1648.59			
8	5-i/41	Cement concrete plain using finishing and curing concrete(1:4:8)	%Cft	24.048			
9	5,f/41	Cement concrete plain including placing, 20.1 compacting, finishing and curing complete (including screening	%Cft	304.797			

		and washing of stone aggregate): 1:2:4					
10	6,a,iii,c/4 2	Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i. e horizontal shuttering) complete in all respect (1:2:4).	P.Cft	264.61			
11	6,a,i,c/4 2	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	P.Cft	2252.07			
12	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/ c cutting, bending, laying in position, making joints and fastening i/ c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	8108.54			
13	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and Shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	424.844			

14	37,a,iii/4 8	Providing and laying damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13 mm) 1:2	%Sft	269.719			
15	38,a,ii/4 8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13mm)	%Sft	445.2			
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	2149.39			
17	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	3702.19			
18	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	276.563			
19	5,i+6i/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	500.625			
20	7,i/53	Pacca brick work in cement sand mortar (1:6) in other than building upto 10ft	%Cft	1419.25			
21	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building	%Cft.	19.5			
22	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	852.146			
23	38,i/57	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding	P.Sft	580			

		carriage charges complete in all respect as approved and directed by the Engineer Incharge.					
24	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	734.5			
25	15/63	Khurras on roof 2'x2'x6"	Each	4			
26	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	%Cft	852.146			
27	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½" (40 mm) thick	%Sft	986			
28	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over ¾" thick (1:2) cement sand plaster i/c the cost of sealer for finishing	P.Sft	1483.38			

		the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"					
29	25,i/70	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Textur e skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	7425.5			
30	41-b/72	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm	P.Sft	600			
31	48/74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	221.75			

32	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	40			
33	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	460			
34	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	6661			
35	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	3240			
36	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	1462.38			
37	7,b,ii/81	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt, lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge b)	PSft	128			

		Oak/Ash wood Door(ii) 1-3/4" thick (45mm)					
38	15,a,/83	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	P.Sft	56			
39	60,ii/90	P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)	PSft	66.46			
40	61,b,ii/90	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by	Each	4			

		the Engineer In Charge. Brass 12" long					
41	31 (a+2b)/9 6	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	3606.38			
42	33A(i+2ii) /97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 2 coats	%Sft	2681.5			
43	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	12			
44	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	Each	8			
45	18/127	Providing and fixing, chromium plated toilet paper holder	Each	12			
46	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	4			
47	34(i)/129	Providing and fixing, floor trap of cast iron, including concrete chamber all	Each	28			

		round, and C.I. grating:- i) 10x5 cm (4"x2")					
48	35(ii)/12 9	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	8			
49	51/132	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE),double plypolyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	P.Gallo n	800			
50	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	64			
	52-ii	(ii) Lever Type Basin Mixer	Each	20			
	52-iii	(iii) Double Bib Cock	Each	8			
	52-v	(v) Muslim shower	Each	20			
	52-vi	(vi) Waste Coupling	Each	20			
	52-vii	(vii) Bottle Trap	Each	20			

51	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.					
		(i) 15 Gal capacity	Each	2			
52	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	16			
53	55,3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	60			
54	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	1835			
55	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	27			
56	1,d/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-					
		d) 6" (150 mm) i/d	P.Rft	100			

57	1,c/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-					
		c) 5" (125 mm) i/d	P.Rft	100			
58	2,b/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		b) 6" (150 mm) i/d	P.Rft	100			
59	2,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 5" (125 mm) i/d	P.Rft	100			
60	3,b/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200 ft. to 300 ft. below ground level, including sinking and withdrawing of casing pipe, complete:-					
		b) 6" (150 mm) i/d	P.Rft	100			
61	3,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200 ft. to 300 ft. below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 5" (125 mm) i/d	P.Rft	100			

62	11,b/146	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:-b) 4" i/d (125 mm)	P.Rft	120			
63	14,a,ii/1 47	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class `B'	Each	2			
64	16,b/148	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.	P.Rft	476			
65	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	32.72			
66	23,ii,c/1 50	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick	P.Rft	600			
67	27-b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	20			

68	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	652			
	28-a	a) 2" i/d	P.Rft	400			
69	38,ii e/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	%Sft	4			
70	39,ii,e/1 54	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	4			
71	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	2			

72	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).				
		a) PN-20 pipe				
	47-b-ii	(ii)(3/4") 25 mm	P.Rft	400		
	47-b-iii	(iii)(1") 32 mm	P.Rft	200		
	47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	100		
73	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials				
	3-ii	3/4" i/d	P. Rft	2624.8		
	3-iii	1" i/d	P. Rft	1312.4		
74	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:				
	10-a-i	3/0.029	P. Rft	2624.8		

	10-a-iii	7/0.029	P. Rft	524.96			
	10-a-iv	7/0.036	P. Rft	656.2			
75	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts					
		iv) 7/0.91 mm (7/0.036")	P.Rft	65.62			
76	13-a-v/170	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	328.1			
77	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equivalent to . (7"x4") Box In Area	Each	8			
78	18,a,i/171	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole:					
		i) 15/20 Amp.	Each	2			
79	43-ii/175	S/E of Tubelight, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	8			

80	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	8			
81	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	2			
82	72-b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P. Rft	393.72			
83	86/181	Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	20			
		10 Amp	Each	4			
		20 Amp	Each	4			
	86-b-iii	Double Pole					

		6-63 Amp (10 KA)	Each	4			
84	90,a,i/18 3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					
		(i) 20~60A (18"x24"x6")	Per.Cft	3			
85	102-a,ii/189	Providing and fixing Copper winded Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	20			
86	103,a/18 9	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge					
	103-a-i	(i) 04 Gange(Large)	Each	20			

	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	12			
	103-a-vi	(vi) Fan Dimmer	Each	4			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	4			
87	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware i/c using imported brushes for dust proofing and imported rular complete in all respect and as approved by engineer in-charge.	P.Sft	360			
88	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	P.Sft	180			

89	62,ii/210	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	P.Sft	56			
90	64/210	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Sft	137.5			
91	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	742.5			

92	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite Proofing of builing by bspraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft	4349.38			
NO N- SC HE DU LE							
93	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	P.Sft	389			
94	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	P.Rft	332			
95	N.S	1" (25mm) thick cement plaster 1:4 in three layers on walls in ground floor including making edges, corners and curing etc. complete	%Sft	2552			
96	N.S	Supply and erection of wooden brackets of Partal wood as per size, design and shape mentioned in the drawing including making curves etc. including painting as approved by engineer in-charge	Each	56			

97	N.S	Finishing of three step cornice with 1/2" thick cement sand motor 1:3	%Rft	433.5			
98	N.S	PCC kingari blocks (minaris) of PCC 2" thickness, 2' high approved design and shade fixed over parapet wall with 1:3 c/s mortar i/c painting with weather shield as per approved design, as approved and directed by engineer in-charge	P.Rft	323			
99	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	20			
100	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	20			
101	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	4			
102	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	8			
103	N.S	Cost of Electric Connection from IESCO including cost of service connection Cable Lumpsum	Each	2			
104	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	8			

105	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without pedestal)	Each	60			
106	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	P.Sft	186			
107	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	4			
108	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	28			
109	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	4			
110	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete 5 Kwa @ Rs 0.25 M / Kwa Rs 1.25 Million		2			
		Sub-Total =					
(B) BOQ FOR DISTRICT SAHIWAL							
1	1/3	Subsequent carriage of bajri from Sargodha quarry to site 180 Km	%Cft	1145.5			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	1304.38			
3	15,ii/29	Filling, watering & ramming earth under floor with new earth from out side lead upto 3 mile	%0Cft	158			

4	21,a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual	%0Cft	2570.44			
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth Manholes	%0Cft.	1389.5			
6	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 - do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	150			
7	3.d/41	P/L cement concrete using bricks of stone ballast 1.5" to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	791.8			
8	5,f/41	Cement concrete plain including placing, 20.1compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	%Cft	139.398			
9	5(i)/41	Cement concrete plain using finishing and curing concrete (1:4:8)	%Cft	21.38			

10	6,a,iii,c/4 2	Reinforcement of cement concrete in slab of rafts/strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e. horizontal shuttering) complete in all respect (1:2:4).	P.Cft	146.55			
11	6,a,i,3,c/ 42	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	Cft	1021.25			
12	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	3991.72			
13	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and Shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	212.422			

14	37,a,iii/4 8	Providing and laying damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13 mm) 1:2	%Sft	134.859			
15	38,a,ii/4 8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13 mm)	%Sft	222.6			
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	1074.7			
17	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	1851.1			
18	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	138.281			
19	(5,i + 6,i)/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	252.09			
20	7,i/53	Pacca brick work in cement sand mortar (1:6) in other than Building upto 10ft	%Cft	538.625			
21	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building (0 - 10 ft depth)	%Cft.	271.19			
22	7-i+ 8 /53	Pacca brickwork in 1:4 C/S mortar other than building (10.1 - 20 ft depth)	%Cft.	251.69			
23	10/54	Extra for pacca brick work in steining of wells or any other circular masonry.	%Cft.	503.38			
24	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	426.073			

25	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	367.25			
26	15/63	Khurras on roof 2'x2'x6"	Each	2			
27	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	%Cft	426.073			
28	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½"(40 mm) thick	%Sft	493			
29	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Textur e of approved Color and Shade as per approved design with adhesive bond, over ¾" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24 "/8"x24"/12"x36"	PSft	741.688			

30	25,i/70	<p>Providing and laying superb quality Ceramic tiles dado of Masterbrand of specified size,Glossy/Matt/Texture skirting/dado of approvedColor and Shade with adhesive bond over 1/2"thick (1:2) cementplaster i/c the cost of sealer for finishing the joints i/c cutting grindingcomplete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"</p>	PSft	3712.75			
31	41-b/72	<p>Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm</p>	P.Sft	300			
32	48/74	<p>Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.</p>	P.Rft	110.875			
33	49/74	<p>Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.</p>	Each	20			

34	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	230			
35	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	1584			
36	9,c/76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes5x2x(3+3)	%Sft	3116.5			
37	10,b/76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	731.188			
38	7,b,ii/81	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge b) Oak/Ash wood Door(ii) 1-3/4" thick (45 mm)	PSft	64			

39	15,a,/83	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	P.Sft	28			
40	60,ii/90	P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)	PSft	33.23			
41	61,b-ii/90	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineer Incharge.Brass 12" long	Each	2			
42	31 (a+2b)/9 6	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	1803.19			
43	33A(i+2ii)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer	%Sft	2095.88			

		complete in all respect on new surface 3 coats					
44	15-c/105	Supply and dumping at site, without boat, including handling of materials within three chains (90 m)c brick bats	%Cft.	282.60			
45	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	6			
46	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copperconnection, etc. complete. i) white	Each	4			
47	18/127	Providing and fixing, chromium plated toilet paper holder	Each	6			
48	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	2			
49	34(i)/129	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	14			
50	35(ii)/129	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	4			

51	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower,waste coupling and bottle trapetc. complete in all respect as approved and directed by the Engineerincharge.					
	52-i	(i) 3 No Tee Stop Cock	Each	32			
	52-ii	(ii) Lever Type Basin Mixer	Each	10			
	52-iii	(iii) Double Bib Cock	Each	4			
	52-v	(v) Muslim shower	Each	12			
	52-vi	(vi) Waste Coupling	Each	10			
	52-vii	(vii) Bottle Trap	Each	10			
52	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge. (i) 15 Gal capacity	Each	1.00			
53	51/133	Providing and hoisting vertical/horizontal type storage tank of requiredcapacity made of rotationally molded from (HDPE),double plypholyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of	P.Gallon	400			

		specials& labour complete in all respect as approved and directed by the Engineer Incharge.					
54	55,4(ii)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	8			
55	55,3(ii)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	36			
56	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	50			
57	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	6			
58	1-a/141	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand					
		i) from 0' to 5' (0 to 1.5 m) depth	%0Cft.	317.93			
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	%0Cft.	317.93			
59	2-a/141	Dry sinking of well i/c loading and removing excavated material within one chain in ordinary soil					
		i) 10 - 15 ft	%0Cft.	206.31			
		ii) 15.1 - 20 ft	%0Cft.	206.31			

60	8,a/143	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate (1:1.5:3))	P.Cft	58.88			
61	9/143	Providing and fixing structural steel for cutting edge	%Kg	92.95			
62	1,c/144	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-					
		c) 5" (125 mm) i/d	P.Rft	100			
63	2,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 5" (125 mm) i/d	P.Rft	50			
64	11,b/146	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- b) 4" i/d (125 mm)	P.Rft	40			
65	14,a,ii/147	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B'					
		b) 4" i/d (100 mm)	Each	1			
66	16,b/148	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and					

		solvents and jointing with strainer, etc. complete.					
		b) 4" i/d (100 mm)	P.Rft	108			
67	19/148	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole.	P.Cft	4.91			
68	23,ii,c/1 50	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality.	P.Rft	150			
69	27-b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	20			
70	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	326			
	28-a	a) 2" i/d	P.Rft	200			
71	38,ii (e)/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	2			

72	39,ii,e/1 54	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	2				
73	45,i/158	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	1				
74	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).						
		a) PN-20 pipe						
		47-b-ii	(ii)(3/4") 25 mm	P.Rft	200			
		47-b-iii	(iii)(1") 32 mm	P.Rft	100			
		47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	50			

75	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials					
	3-ii	3/4" i/d	P. Rft	1312			
	3-iii	1" i/d	P. Rft	656			
76	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P. Rft	1312			
	10-a-iii	7/0.029	P. Rft	262			
	10-a-iv	7/0.036	P. Rft	328			
77	13,a,iv/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts					
		iv) 7/0.91 mm (7/0.036")	P.Rft	32.81			
78	13-a-v/170	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	164			

79	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equivalent to . (7"x4") Box In Area	Each	4			
80	18,a,i/171	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole:					
		i) 15/20 Amp.	Each	1			
81	43-ii/175	S/E of Tubelight, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	4			
82	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	4			
83	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	1			
84	72-b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P. Rft	197			

85	86/181	Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker)of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	86-a-iii	Single Pole 6-63 Amp (10 KA)				
		5 Amp	Each	10.00		
		10 Amp	Each	2.00		
		20 Amp	Each	2.00		
		86-b-iii	Double Pole			
		6-63 Amp (10 KA)	Each	2		
86	90,a,i/18 3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6"	Per.Cft	1.50		

		deep(i) 20~60A (18"x24"x6")					
87	102- a,ii/189	Providing and fixing Copper wined Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	10			
88	103,a/18 9	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	12			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	6			
	103-a-vi	(vi) Fan Dimmer	Each	4			
	103-a- viii	(viii) Three Pin Power Plug 15-32 Amp	Each	2			

89	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware I/C using imported brushes for dust proofing and imported rular complete in all respect and as approved by the Engineer Incharge.	P.Sft	180			
90	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	P.Sft	90			
91	62,ii/210	P/F Iron door comprising of specified leaves made of 1- 1/4"x1- 1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt	P.Sft	28			

		and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge					
92	64/210	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	68.75			
93	37,ii/214	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	371.25			
94	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of building by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft	Per Sft	2250.69			

		applying with pressure pump.					
NO N- SC HE DU LE							
95	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	PSft	194.5			
96	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	P.Rft	166			
97	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	161.5			
98	N.S	P/L 2' thick and 12" wide P.C.C coping finished with 1:3 C/S Plaster	P.Sft	187			
99	NS	Extra deep cut grooves of approved sizes and design are made on plastered surface of any description in any floor	%Sft	2095.88			
100	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	10			
101	NS	S/E of SDM LED light concealed/recessed	Each	10			

		including making connections 20-Watt					
102	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	2			
103	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	4			
104	N.S	Cost of Electric Connection from MEPCO including cost of service connection Cable Lumpsum	Each	1.00			
105	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	4			
106	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without padestal)	Each	30			
107	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	Sft	46.5			
108	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	2			

109	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	14			
110	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	2			
111	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa)	Job	1			
		Sub-Total =					
		G-Total =					

BILL OF QUANTITIES (LOT-4)

NAME OF WORK: CONSTRUCTION / RENOVATION OF TOILET BLOCKS AT DIFFERENT HERITAGE & TOURIST SITES IN DISTRICT BAHAWALPUR (SOUTH ZONE).

DISTRICT BAHAWALPUR (SOUTH ZONE).

1. DRAWER FORT

2. TOMB BIBI JAWANDI

3. LAL SUHANRA

Sr. No.	Ref. to MRS	Description	Unit	Total Quantity	Rate Quoted		Amount (PAK Rs.)
					In Figures	In Words	
1	1/3	Subsequent Carriage of Bajri from Sakhi Sarwar Quarry to Site 250 Km	%Cft	2186.25			
		40 Km	%Cft	416.29			
2	15,i/2 9	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	3797.41			
3	15,ii/2 9	Filling, watering & ramming earth under floor with new earth from out side lead upto 3 mile	%0Cft	316			

4	21,a- ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual	%0Cft	6747			
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering andtimbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	%0Cft.	5369			
6	3- b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 - do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	450			
7	3.d/4 1	P/L cement concrete using bricks of stone ballast 1.5" to 2" gauge in foundation and plinth ratio 1:6:12	%Cft	2075.59			
8	5-f, 41	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	%Cft	370.81			
9	5(i)/4 1	Cement concrete plain using finishing and curing concrete (1:4:8)	%Cft	24.05			

10	6,a,iii, c/42	Reinforcement of cement concrete in slab of rafts/strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e. horizontal shuttering) complete in all respect (1:2:4).	P.Cft	301.55			
11	6,a,i, 3,c/4 2	Reinforced cement concrete in roof, slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre stressed members cast in situ, complete in all respects:- Type C (nominal mix 1:2:4)	P.Cft	2398.99			
12	12,b/ 45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	9399.95			
13	36,a,i /47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and Shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	517			
14	37,a,ii i/48	Providing and laying damp proof course with cement sand plaster and bitumen coating with one coat of	%Sft	361.875			

		bitumen and one coat of polythene sheet 500 gauge (13 mm) 1:2					
15	38,a,ii /48	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of polythene sheet 500 gauge (13 mm)	%Sft	552.7			
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	2631.33			
17	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	4358.29			
18	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	373.02			
19	(5,i + 6,i)/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	500.63			
20	7,i/53	Pacca brick work in cement sand mortar (1:6) in other than Building upto 10ft	%Cft	1247.88			
21	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building (0 - 10 ft depth)	%Cft.	578.94			
22	7-i+ 8 /53	Pacca brickwork in 1:4 C/S mortar other than building (10.1 - 20 ft depth)	%Cft.	503.38			
23	10/54	Extra for pacca brick work in steining of wells or any other circular masonry.	%Cft.	1006.76			
24	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	1033.13			

25	38,i/5 7	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge.	P.Sft	873.30			
26	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	1101.75			
27	15/63	Khurras on roof 2'x2'x6"	Each	5			
28	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	%Cft	1033.13			
29	15,c/ 69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½"(40 mm) thick	%Sft	1321			

30	24,i/7 0	<p>Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge</p> <p>12"x18"/12"x24"/10"x24" /8"x24"/12"x36"</p>	PSft	1839.59			
31	25,i/7 0	<p>Providing and laying superb quality Ceramic tiles dado of Masterbrand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.</p> <p>12"x18"/12"x24"/10"x24" /8"x24"/12"x36"</p>	PSft	8732.18			
32	41- b/73	<p>Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm</p>	P.Sft	900			

33	44/73	Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Color and Shade with adhesive bond, over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	P.Sft	1244			
34	48/74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	279.74			
35	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	52			
36	50,i/7 4	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	597.9			
37	8,b/7 6	1/2" thick cement plaster (1:3) upto 20' height inside parapet	%Sft	510			
38	9,b/7 6	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	8971.17			

39	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	3135			
40	10,b/ 76	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	1823.50			
41	7,b,ii/ 81	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge b) Oak/Ash wood Door(ii) 1-3/4" thick (45 mm)	PSft	128			
42	15,a/ 83	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1 1/2"x 1 1/2"x 1/4" (40x40x6 mm) welded with M.S. flat 2"x 1/4" (50 mm x 6 mm)	P.Sft	56.00			

43	60,ii/90	P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)	PSft	66.66			
44	61,b-ii/90	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineerIncharge.Br ass 12" long	Each	4			
45	31 (a+2b)/96	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	4439.04			
46	33A(i+2ii)/96	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 3 coats	%Sft	2799.88			
47	15-c/105	Supply and dumping at site, without boat, including handling of materials within three chains (90 m) c) brick bats	%Cft.	565.20			

48	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	16			
49	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copperconnection, etc. complete. i) white	Each	10			
50	18/127	Providing and fixing, chromium plated toilet paper holder	Each	16			
51	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	6			
52	34(i)/129	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	36			
53	35(ii)/129	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	10			
54	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.					

	52-i	(i) 3 No Tee Stop Cock	Each	83			
	52-ii	(ii) Lever Type Basin Mixer	Each	26			
	52-iii	(iii) Double Bib Cock	Each	14			
	52-v	(v) Muslim shower	Each	31			
	52-vi	(vi) Waste Coupling	Each	26			
	52-vii	(vii) Bottle Trap	Each	26			
55	55,i/1 32	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.					
		(i) 15 Gal capacity	Each	3			
56	51/13 3	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double polyethylene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.	Per gallon	1000			
57	55,4(i) i)/133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	18			
58	55,3(i) i)/133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	78			
59	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line	P.Rft.	300			

		as per C.S.R. specification					
60	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	27			
61	1- a/141	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand					
		i) from 0' to 5' (0 to 1.5 m) depth	%0Cft.	635.85			
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	%0Cft.	635.85			
62	2- a/141	Dry sinking of well i/c loading and removing excavated material within one chain in ordinary soil					
		i) 10 - 15 ft	%0Cft.	412.62			
		ii) 15.1 - 20 ft	%0Cft.	412.62			
63	9/143	Providing and fixing structural steel for cutting edge	%Kg	185.91			
64	8,a/143	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate (1:1.5:3)	P.Cft	117.75			

65	1,c/1 46	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:- c) 5" (125 mm) i/d	P.Rft	200			
66	2,a/1 46	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:- a) 5" (125 mm) i/d	P.Rft	200			
67	11,b/ 148	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- b) 4" i/d (100 mm)	P.Rft	80			
68	14,i,b /149	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B' b) 4" i/d (100 mm)	Each	2			
69	16,b/ 150	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)	P.Rft	316			
70	19/15 0	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	19.64			
71	23,ii,c /151	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs,	P.Rft	530			

		etc. c) 1" i/d (25 mm) 3.25mm thick Medium Quality					
72	27- b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	40			
73	28/15 1	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	745			
	28-a	a) 2" i/d	P.Rft	435			
74	38,ii (e)/15 4	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	5			
75	39,ii,e /154	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	5			

76	45,i/1 58	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21M delivery head	Each	3			
77	47/15 9	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned). a) PN-20 pipe					
	47-b-ii	(ii)(3/4") 25 mm	P.Rft	480			
	47-b-iii	(iii)(1") 32 mm	P.Rft	240			
	47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	100			
78	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries					

		and repairing surface, etc., complete with all specials					
	3-ii	3/4" i/d	P. Rft	2952.9			
	3-iii	1" i/d	P. Rft	1443.64			
79	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P. Rft	3281			
	10-a-iii	7/0.029	P. Rft	656.2			
	10-a-iv	7/0.036	P. Rft	853.06			
80	13-a-v/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	590.58			
81	13,a,i v/170	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts iv) 7/0.91 mm (7/0.036")	P.Rft	98.43			
82	14,ii/171	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equilent to . (7"x4") Box In Area	Each	10			

83	18,a,i /172	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole: i) 15/20 Amp.	Each	3			
84	43- ii/175	S/E of Tubeligt, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	12			
85	49/17 6	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	10			
86	70/17 9	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	3			
87	72-b- ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P. Rft	442.94			

88	86/18 1	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	26			
		10 Amp	Each	6			
		20 Amp	Each	6			
	86-b-iii	Double Pole					
		6-63 Amp (10 KA)	Each	5			
89	90,a,i /183	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					

		(i) 20~60A (18"x24"x6")	Per.Cft	4.5			
90	102-a,ii/189	P/F of exhaust fan plastic body 12" size of approved quality i/c making electric connection with ceiling rose	Each	24			
91	103,a/189	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	28			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	14			
	103-a-vi	(vi) Fan Dimmer	Each	10			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	6			
92	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware I/C using imported brushes for dust proofing and imported rular complete in all respect and as	P.Sft	442.5			

		approved by the Engineer Incharge.					
93	53/20 8	Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	P.Sft	221.25			
94	62,ii/2 10	P/F Iron door comprising of specified leaves made of 1-1/4"x1- 1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	P.Sft	56			

95	64/21 0	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Square pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gopies fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Sft	137.5			
96	37,ii/2 14	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	1113.75			
97	43/21 4	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of building by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	P.Sft	6241.57			
NO N S C H E D U L E							

98	N.S	Embossing thappa for depression of approved design in fresh plaster as directed by engineer in-charge	Each	235			
99	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	P.Sft	558.42			
100	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	PRft	452.71			
101	N.S	Finishing of three step cornice with 1/2" thick cement sand mortar 1:3	%Rft	586			
102	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	203			
103	N.S	P/F of fiber glass dome along with MS section skeleton of approved thickness of fiber glass as per approved design and drawing and as approved and directed by engineer in-charge	P.Sft	461.28			
104	N.S	Supply and erection of wooden brackets of Partal wood as per size, design, shape mentioned in the drawing including making curves etc. including painting as approved by engineer in-charge	Each	28			

105	N.S	P/F PVC wall paneling approved color / texture, plain / grooved design (Pak Made) of 8 mm thick 10" wide strip male / female with in-built groves i/c cost of top bottom U-channel gola and corner gola of same material i/c cost of steel nails rowal plugs, screws & elfi i/c carriage and labour charges as per entire satisfaction of engineer in-charge	P.Sft	352			
106	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	26			
107	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	26			
108	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	6			
109	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	10			
110	N.S	Cost of Electric Connection from BEPCO including cost of service connection Cable Lumpsum	Each	3			
111	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern)	Each	10			

		combined with foot rest. Porta HD-17 (White)					
112	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste coupling, etc. Porta HD-1 (White without pedestal)	Each	66			
113	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	P.Sft	126			
114	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	6			
115	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	36			
116	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	5			
117	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa)	Job	3			
G-Total =							

BILL OF QUANTITIES (LOT-5)

NAME OF WORK: CONSTRUCTION / RENOVATION OF TOILET BLOCKS AT DIFFERENT HERITAGE & TOURIST SITES IN DISTRICT D.G. KHAN (SOUTH ZONE).

DISTRICT D.G.KHAN (SOUTH ZONE).

1. GULKI TOP

2. BARTHI REST HOUSE

3. MUBARKI TOP

Sr. No.	Description	Unit	Rate Quoted
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	Ref. to MRS			Total Quantity	In Figures	In Words	Amount (PAK Rs.)
1	1/3	Subsequent carriage of bajri from Sakhi Sarwar quarry to site 150 Km	%Cft	3452.76			
2	15,i/29	Filling, watering & ramming earth under floors with surplus earth excavated from 2/3 of item no. 1	%0Cft	3913.125			
3	15,ii/29	Filling, watering & ramming earth under floor with new earth from outside lead upto 3 mile	%0Cft	474			
4	21,a-ii/30	Excavation in foundation of building, bridges and other structure, i/c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5' (in ordinary) soil. By Manual	%0Cft	7711.32			
5	42-i / 32	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth Manholes	%0Cft.	7581			
6	3-b/41	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 -do50 mm) gauge, in foundation and plinth:- PCC 1:4:8	%Cft	450			
7	3-d/41	Cement concrete ratio 1:6:12. Brick or stone ballast 1-1/2" to 2" gauge in F & P.	%Cft.	2375.4			
8	5,f/41	Cement concrete plain including placing, 20.1 compacting, finishing and curing complete (including	%Cft	418.20			

		screening and washing of stone aggregate): 1: 2: 4				
9	5(i)/41	Cement concrete plain using finishing and curing concrete (1:4:8)	%Cft	64.14		
10	6,a,iii,c/42	Reinforcement of cement concrete in slab of rafts/strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring form work (i.e. horizontal shuttering) complete in all respect (1:2:4).	P.Cft	439.65		
11	6-a-i-3-c/42	P/L RCC 1:2:4 using coarse sand stone aggregate in roof slab, column lintel etc i/c cost of material labour and shuttering and finishing	P.Cft.	3032.820 586		
12	12,b/45	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (Also i/c removal of rust from bars). (b) Deformed bars (Grade-40)	%Kg	11238.82 446		
13	36,a,i/47	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and Shingle); including bituman coating with one coat of polythene sheet 500 gauge (40 mm)	%Sft	637.2656 25		
14	37,a,iii/47	Providing and laying damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge (13 mm) 1:2	%Sft	404.5781 25		
15	38,a,ii/48	Providing and laying vertical damp proof course with cement sand plaster	%Sft	667.8		

		and bitumen coating with one coat of polythene sheet 500 gauge (13 mm)					
16	4,i/52	Pacca brick work in cement sand mortar (1:6) in foundation and plinth	%Cft	3224.090 063			
17	5,i/53	Pacca brick work in cement sand mortar (1:6) in ground floor	%Cft	5553.27			
18	5,i/53	Pacca brick work in cement sand mortar (1:4) in ground floor	%Cft	414.8437 5			
19	(5,i + 6,i)/53	Pacca brick work in cement sand mortar (1:4) in first floor	%Cft	756.27			
20	7,i/53	Pacca brick work in cement sand mortar (1:6) in other than Building upto 10ft	%Cft	1615.875			
21	7-i/53	Pacca brickwork in 1:4 C/S mortar other than building (0 - 10 ft depth)	%Cft.	310.1906 25			
22	7-i+ 8 /53	Pacca brickwork in 1:4 C/S mortar other than building (10.1 - 20 ft depth)	%Cft.	251.6906 25			
23	10/54	Extra for pacca brick work in steining of wells or any other circular masonry.	%Cft.	503.3812 5			
24	30/57	Supplying and filling sand under floor; or plugging in wells	%Cft	1278.218 75			
25	5/61	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	2381.16			
26	15/63	Khurras on roof 2'x2'x6"	Each	6			
27	3/68	Providing, laying, watering and ramming brick ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	%Cft	1278.219			

28	15,c/69	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels) 1½"(40 mm) thick	%Sft	1479			
29	24,i/70	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over ¾" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	2225.062 5			
30	25,i/70	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over ½"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	11138.25			
31	41- b/73	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60 mm	P.Sft	900			

32	48/74	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	332.625			
33	49/74	Extra cost for making hole in Marble slab for fixtures, Sink, burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	60			
34	50,i/74	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" th.	P.Sft	690			
35	9,b/76	1/2" thick cement plaster (1:4) upto 20' height inside	%Sft	4752			
36	9-c / 76	Cement plaster 3/4" thick 1:4 ratio out side and in side holes 5x2x(3+3)	%Sft.	9349.5			
37	10,b/7 6	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	%Cft	2193.562 5			
38	7,b,ii/8 1	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge	P.Sft	192			

		b) Oak/Ash wood Door(ii) 1-3/4" thick (45 mm)					
39	15,a,/8 3	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	P.Sft	84			
40	60,ii/9 0	P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2'x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)	P.Sft	99.69			
41	61,b- ii/90	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineer Incharge.Brass 12" long	Each	6			
42	31 (a+2b)/ 96	Providing and applying emulsion paint 3 coats on new surface as per soffit and inside plaster	%Sft	5409.562 5			

43	33A(i+2ii)/97	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect on new surface 3 coats	%Sft	6287.64			
44	15-c/105	Supply and dumping at site, without boat, including handling of materials within three chains (90 m) c) brick bats	%Cft.	282.6			
45	3/125	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	18			
46	13(i)/126	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copperconnection, etc. complete. i) white	Each	12			
47	18/127	Providing and fixing, chromium plated toilet paper holder	Each	18			
48	31(i)/128	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	6			
49	34(i)/129	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	Each	42			
50	35(ii)/129	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	12			

51	52/132	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double BibCock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.				
	52-i	(i) 3 No Tee Stop Cock	Each	96		
	52-ii	(ii) Lever Type Basin Mixer	Each	30		
	52-iii	(iii) Double Bib Cock	Each	12		
	52-v	(v) Muslim shower	Each	36		
	52-vi	(vi) Waste Coupling	Each	30		
	52-vii	(vii) Bottle Trap	Each	30		
52	55,i/132	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.				
		(i) 15 Gal capacity	Each	3		
53	51/133	Providing and hoisting vertical/horizontal type storage tank of requiredcapacity made of rotationally molded from (HDPE),double plypholyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	P.Gallon	1200		

54	55,4(ii) /133	Providing and fixing, flushing bend of PVC. ii) 4 cm (1½")	Each	24			
55	55,3(ii) /133	Providing and fixing, waste pipe of PVC:- ii) 4 cm (1½")	Each	108			
56	1- iii / 136	P/L R.C.C. Pipe 9" 1/d for sewerage line as per C.S.R. specification	P.Rft.	190			
57	15 / 139	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	Each	18			
58	1- a/141	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand					
		i) from 0' to 5' (0 to 1.5 m) depth	%0Cft.	317.925			
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	%0Cft.	317.925			
59	2- a/141	Dry sinking of well i/c loading and removing excavated material within one chain in ordinary soil					
		i) 10 - 15 ft	%0Cft.	206.3078 125			
		ii) 15.1 - 20 ft	%0Cft.	206.3078 125			
60	8,a/143	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate (1:1.5:3)	P.Cft	58.875			
61	9/143	Providing and fixing structural steel for cutting edge	%Kg	92.95363 98			

62	1,d/14 4	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-					
		d) 6" (150 mm) i/d	P.Rft	200			
63	2,b/14 4	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		b) 6" (150 mm) i/d	P.Rft	200			
64	3,b/14 4	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200.1 ft. to 300 ft. (60 to 90 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		b) 6" (150 mm) i/d	P.Rft	200			
65	4,a/144	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 300.1 ft. to 400 ft. (60 to 90 m) below ground level, including sinking and withdrawing of casing pipe, complete:-					
		a) 8" (150 mm) i/d	P.Rft	100			
66	11,c/14 6	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:- c) 5" i/d (125 mm)	P.Rft	120			
67	14,i,c/1 47	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole B.S.S. Class 'B'					
		c) 5" i/d (125 mm)	Each	2			
68	16,c/14 8	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and					

		solvents and jointing with strainer, etc. complete.					
		c) 5" i/d (125 mm)	P.Rft	576			
69	19/150	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	P.Cft	42			
70	23,ii,c/ 150	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with plugs, etc. c) 1" i/d (25 mm) 3.25mm thick					
		Medium Quality	P.Rft	900			
71	27- b/151	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)	P.Rft	60			
72	28/151	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects:-					
	28-c	c) 4" i/d	P.Rft	978			
	28-a	a) 2" i/d	P.Rft	600			
73	38,ii (e)/154	Providing and installing P.V.C. bends, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	6			
74	39,ii,e/ 154	Providing and installing P.V.C. tees, of B.S.S. Class `D' working pressure:- e) 4" i/d (100 mm)	Each	6			

75	45,i/15 8	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	2			
76	47/159	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).					
		a) PN-20 pipe					
	47-b-ii	(ii)(3/4") 25 mm	P.Rft	600			
	47-b-iii	(iii)(1") 32 mm	P.Rft	300			
	47-b-iv	(iv)(1-1/4") 40 mm	P.Rft	150			
77	p-167	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials					
	3-ii	3/4" i/d	P. Rft	3937.2			
	3-iii	1" i/d	P. Rft	1968.6			

78	p-168	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I wire/trenches (rate for cables only) 250/440 volts, PVC insulated:					
	10-a-i	3/0.029	P. Rft	3937.2			
	10-a-iii	7/0.029	P. Rft	787.44			
	10-a-iv	7/0.036	P. Rft	984.3			
79	13,a,iv/ 169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts					
		iv) 7/0.91 mm (7/0.036")	P.Rft	65.62			
80	13-a- v/169	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 2 core, 250/440 volt (7/0.044")	P. Rft	492.15			
81	14,ii/1 71	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring 6" Dia Box Equilent to . (7"x4") Box In Area	Each	12			
82	18,a,i/1 71	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth For with necessary flexible pipe and thimbles, etc. a) double pole:					
		i) 15/20 Amp.	Each	2			

83	43-ii/175	S/E of Tubelight, i/c rod choke starter with frame, flexible wire, i/c connection single rod 40W with one choke and one starter	Each	12			
84	49/176	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	Each	12			
85	70/179	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Each	3			
86	72-b-ii/179	Bonding to earth with wire on surface, including cost of wire, ditto clamps, thimbles, etc. (Copper wire: 20SWG)	P. Rft	590.58			
87	86/181	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaiddBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.					
	86-a-iii	Single Pole 6-63 Amp (10 KA)					
		5 Amp	Each	30			
		10 Amp	Each	6			
		20 Amp	Each	6			
		86-b-iii	Double Pole 6-63 Amp (10 KA)	Each	6		

88	90,a,i/1 83	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep					
		(i) 20~60A (18"x24"x6")	Per.Cft	4.5			
89	102-a,ii/18 9	Providing and fixing Copper winded Exhaust fan 12 " dia Plastic body with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge	Each	30			
90	103,a/1 89	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small					
	103-a-i	(i) 04 Gange(Large)	Each	36			
	103-a-iv	(iv) Three pin Light Plug 10/13 Amp	Each	18			
	103-a-vi	(vi) Fan Dimmer	Each	12			
	103-a-viii	(viii) Three Pin Power Plug 15-32 Amp	Each	6			

91	52/208	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Pakistan Cables or equipment approved firm having frame of size 100mm x 30 mm and leaf frame sections of size 45mm x 25mm/45 mm, all of 1.6 mm thickness i/c 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware I/C using imported brushes for dust proofing and imported rular complete in all respect and as approved by the Engineer Incharge.	P.Sft	540			
92	53/208	Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	P.Sft	270			
93	62,ii/2 10	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	P.Sft	84			

94	64/210	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	206.25			
95	37,ii/2 14	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc 500 gauge (.005" thick)	P.Sft	1113.75			
96	43/214	Termite proofing of building by spraying anti-termite Liquid @ 1 Liter chemical mixed with 40 Liters of water by spraying over an area of 175 Sft using Biflex <u>OR</u> Termite proofing of builing by spraying anti-termite liquid mirage 5%Sc mixed with 110 liter water for spraying over an area of 175 Sft applying with pressure pump.	Per Sft	8945.64			
NON-SCHEDULE							
97	N.S	High quality fiber glass insert 0.35mm PVC interior MDF single leaf paneled door as per design approved by engineer in-charge (40mm thick)	PSft	583.5			
98	N.S	P/F of PVC coated chaukat including architrave and rubber seal (6"-10") 0.35mm PVC	PRft	498			

99	N.S	P/F of cladding of 1/2" thick sand stone of approved shade with cement sand mortar 1:2 1/2" thick i/c filling of joints with white cement mixed with pigment as approved and directed by engineer in-charge	P.Sft	528			
100	N.S	P/L 2' thick and 12" wide P.C.C coping finished with 1:3 C/S Plaster	P.Sft	561			
101	NS	Extra deep cut grooves of approved sizes and design are made on plastered surface of any description in any floor	%Rft	6287.64			
102	NS	S/E of SDM LED light concealed/recessed including making connections 10-Watt	Each	30			
103	NS	S/E of SDM LED light concealed/recessed including making connections 20-Watt	Each	30			
104	NS	S/E of SDM LED out side light concealed/recessed including making connections 50-Watt	Each	6			
105	N.S	S/E of 56" ceiling fan i/c capacitor, canopies, rubber packing complete alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary	Each	12			
106	N.S	Cost of Electric Connection from MEPCO including cost of service connection Cable Lumpsum	Each	3			
107	N.S	Providing and fitting glazed stone ware water closet, squatter type (orisa pattern) combined with foot rest. Porta HD-17 (White)	Each	12			
108	N.S	Providing and fitting glazed stone ware undercounter vanity waste pipe and waste	Each	90			

		coupling, etc. Porta HD-1 (White without pedestal)					
109	N.S	Providing and fixing looking glass 5 mm thick best quality China (7' x 3')	P.Sft	369			
110	N.S	P/F of 2ft long 1" dia. stain less steel handle for support in disable washroom including cost off rail bolts drilling etc.	Each	6			
111	N.S	P/F 6" x 6" size stainless steel floor trap jali	Each	42			
112	N.S	Providing and fixing glazed stone ware Flat Back Urinal Medium Size	Each	6			
113	N.S	P/I of solar power PV system for water pump operations, internal lightening, geyser, spot lights , 12 hours backup , complete including MS frame , batteries , wiring , connectors , switches board complete (5 Kwa)	Job	3			
G-Total =							

Objectives

The objectives of the Bill of Quantities are:

- (a) *to provide sufficient information on the quantities of Works to be performed to enable bids to be prepared efficiently and accurately; and*
- (b) *When a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.*

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and contents of the Bill of Quantities should be as simple and brief as possible.

Day work Schedule

A Day work Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Employer of the realism of rates quoted by the bidders, the Day work Schedule should normally comprise the following:

- (a) A list of the various classes of labor, materials, and Constructional Plant for which basic day work rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor shall be paid for work executed on a day work basis.*
- (b) Nominal quantities for each item of day work, to be priced by each Bidder at day work rates as Bid. The rate to be entered by the Bidder against each basic day work item should include the Contractor's profit, overheads, supervision, and other charges.*

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary priced Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the Special Conditions of Contract

should state the manner in which they shall be used, and under whose authority (usually the Project Manager's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Employer to select such specialized contractors. To provide an element of competition among the bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

These Notes for Preparing a Bill of Quantities are intended only as information for the Employer or the person drafting the Bidding Documents. They should not be included in the final documents.

Sample Activity Schedule

<i>Item no.</i>	<i>Description</i>	<i>Unit</i>	<i>Amount</i>
	<i>[To be entered by the Employer; Delete if not applicable:]</i> Provisional sums for additional ESHS outcomes		
	<i>[To be entered by the Employer; Delete if not applicable:]</i> Provisional sum for sexual exploitation and abuse (SEA) / Gender based violence (GBV) awareness and sensitization training.		

2. Schedule of Payment Currencies (Not Applicable)

Forinsert name of Section of the Works

Separate tables may be required if the various sections of the Works (or of the Bill of Quantities) will have substantially different foreign and local currency requirements. The Employer should insert the names of each Section of the Works.

	A	B	C	D
Name of Payment Currency	Amount of Currency	Rate of Exchange to Local Currency	Local Currency Equivalent $C = A \times B$	Percentage of Total Bid Price (TBP) $\frac{100 \times C}{TBP}$
Local currency _____		1.00		
Foreign Currency #1 _____				
Foreign Currency #2 _____				
Foreign Currency #3 _____				
Total Bid Price				100.00
Provisional Sums Expressed in Local Currency		1.00		
TOTAL BID PRICE (Including provisional sum)				

Schedule(s) of Adjustment Data (Applicable)

Table A - Local Currency

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Local Currency Amount	Bidder's Proposed Weighting
	Nonadjustable	—	—	—	A: ___*B: * C: ___* D: ___* E: ___*
Total					1.00

[* To be entered by the Employer. Whereas “A” should a fixed percentage, B, C, D and E should specify a range of values and the Bidder will be required to specify a value within the range such that the total weighting = 1.00]

Table B - Foreign Currency

Name of Currency: _____

If the Bidder wishes to quote in more than one foreign currency, this table should be repeated for each foreign currency.

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Currency in Type/Amount	Equivalent in FC1	Bidder's Proposed Weighting
	Nonadjustable	—	—	—		A: ___*B: * C: ___* D: ___* E: ___*
Total						1.00

[* To be entered by the Employer. Whereas “A” should a fixed percentage, B, C, D and E should specify a range of values and the Bidder will be required to specify a value within the range such that the total weighting = 1.00]

Form of Bid Security (Bank Guarantee)

[Guarantor letterhead or SWIFT identifier code]

Beneficiary:

[Insert name and address of the Employer]

Invitation for Bids No.: *[Insert reference number for the Invitation for Bids]*

Date: *[Insert date of issue]*

BID GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof]* (hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its bid (hereinafter called "the Bid") for the execution of *[insert description of contract]* under Invitation for Bids No. *[insert number]* ("the IFB").

Furthermore, we understand that, according to the Beneficiary's conditions, bids must be supported by a bid guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in letters]* (*insert amount in numbers*) upon receipt by us of the Beneficiary's complying supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating either that the Applicant:

- (a) has withdrawn its Bid during the period of bid validity specified by the Applicant in the Letter of Bid, or any extension thereto provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary during the period of bid validity, (i) fails to execute the Contract Agreement or (ii) fails to furnish the performance security, and, if required, the Environmental, Social, Health and Safety (ESHS) Performance Security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

This guarantee will expire: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security and, if required, the Environmental, Social, Health and Safety (ESHS) Performance Security, issued to the Beneficiary upon the instruction of the Applicant; and (b) if the Applicant is not the successful

Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

[signature(s)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

²⁰ The amount of the Bond shall be denominated in the currency of the Employer's country or the equivalent amount in a freely convertible currency.

(Signature)
(Printed name and title)

(Signature)
(Printed name and title)

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Technical Proposal

Technical Proposal Forms

- **Key Personnel Schedule**
-
- **Equipment**
-
- **Site Organization**
-
- **Method Statement**
-
- **Mobilization Schedule**
-
- **Construction Schedule**
-
- **ESHS Management Strategies and Implementation Plans**
-
- **Code of Conduct (ESHS)**
-
- **Others**

Form PER -1

Key Personnel Schedule

Bidders should provide the names and details of the suitably qualified Key Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

Key Personnel

1.	Title of position:	
	Name of candidate:	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
2.	Title of position: <i>[Environmental Specialist]</i>	
	Name of candidate:	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
3.	Title of position: <i>[Health and Safety Specialist]</i>	
	Name of candidate:	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
4.	Title of position: <i>[Social Specialist]</i>	
	Name of candidate:	

	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
5.	Title of position: <i>[insert title]</i>	
	Name of candidate	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>

Form PER-2:
Resume and Declaration
Key Personnel

Name of Bidder

Position [#1]: <i>[title of position from Form PER-1]</i>		
Personnel information	Name:	Date of birth:
	Address:	E-mail:
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i>	
details	Address of employer:	
	Telephone:	Contact (manager / personnel officer):
	Fax:	
	Job title:	Years with present employer:

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

Project	Role	Duration of involvement	Relevant experience
<i>[main project details]</i>	<i>[role and responsibilities on the project]</i>	<i>[time in role]</i>	<i>[describe the experience relevant to this position]</i>

Declaration

I, the undersigned Key Personnel, certify that to the best of my knowledge and belief, the information contained in this Form PER-2 correctly describes myself, my qualifications and my experience.

I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Bid:

Commitment	Details
Commitment to duration of contract:	<i>[insert period (start and end dates) for which this Key Personnel is available to work on this contract]</i>
Time commitment:	<i>[insert the number of days/week/months/ that this Key Personnel will be engaged]</i>

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

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

Name of Key Personnel: *[insert name]*

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day month year): _____

Equipment

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III (Evaluation and Qualification Criteria). A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder. The Bidder shall provide all the information requested below, to the extent possible. Fields with asterisk (*) shall be used for evaluation.

Type of Equipment*		
Equipment Information	Name of manufacturer,	Model and power rating
	Capacity*	Year of manufacture*
Current Status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured	

The following information shall be provided only for equipment not owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

Site Organization

[insert Site Organization information]

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Method Statement

[insert Method Statement]

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Mobilization Schedule

[insert Mobilization Schedule]

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Construction Schedule

[insert Construction Schedule]

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ESHS Management Strategies and Implementation Plans

(ESHS-MSIP)

The Bidder shall submit comprehensive and concise Environmental, Social, Health and Safety Management Strategies and Implementation Plans (ESHS-MSIP) as required by ITB 11.1 (h) of the Bid Data Sheet. These strategies and plans shall describe in detail the actions, materials, equipment, management processes etc. that will be implemented by the Contractor, and its subcontractors.

In developing these strategies and plans, the Bidder shall have regard to the ESHS provisions of the contract including those as may be more fully described in the Works Requirements described in Section VII.

Code of Conduct: Environmental, Social, Health and Safety (ESHS)

The Bidder shall submit the Code of Conduct that will apply to the Contractor's employees and subcontractors as required by ITB 11.1 (h) of the Bid Data Sheet. The Code of Conduct shall ensure compliance with the ESHS provisions of the contract, including those as may be more fully described in the Works Requirements described in Section VII.

In addition, the Bidder shall submit an outline of how this Code of Conduct will be implemented. This will include: how it will be introduced into conditions of employment/engagement, what training will be provided, how it will be monitored and how the Contractor proposes to deal with any breaches.

Others

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Bidder's Qualification

To establish its qualifications to perform the contract in accordance with Section III (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder

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Form ELI -1.1: Bidder Information Form

Date: _____
 RFB No. and title: _____
 Page _____ of _____ pages

Bidder's name
In case of Joint Venture (JV), name of each member:
Bidder's actual or intended country of registration: <i>[indicate country of Constitution]</i>
Bidder's actual or intended year of incorporation:
Bidder's legal address [in country of registration]:
Bidder's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
1. Attached are copies of original documents of <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 4.3. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1. <input type="checkbox"/> In case of Government-owned enterprise or institution, in accordance with ITB 4.5 documents establishing: <ul style="list-style-type: none"> • Legal and financial autonomy • Operation under commercial law • Establishing that the Bidder is not dependent agency of the Employer
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form ELI -1.2: Information Form for JV Bidders

(to be completed for each member of Joint Venture)

Date: _____

RFB No. and title: _____

Page _____ of _____ pages

Bidder's Joint Venture name:
JV member's name:
JV member's country of registration:
JV member's year of constitution:
JV member's legal address in country of constitution:
JV member's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
1. Attached are copies of original documents of <ul style="list-style-type: none"> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.3. <input type="checkbox"/> In case of a Government-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and absence of dependent status, in accordance with ITB 4.5.
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form CON – 2: Historical Contract Non-Performance, Pending Litigation and Litigation History

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

RFB No. and title: _____

Page _____ of _____ pages

Non-Performed Contracts in accordance with Section III, Evaluation Criteria and Qualifications			
<input type="checkbox"/> Contract non-performance did not occur since 1 st January [<i>insert year</i>] specified in Section III, Evaluation Criteria and Qualifications, Sub-Factor 2.1.			
<input type="checkbox"/> Contract(s) not performed since 1 st January [<i>insert year</i>] specified in Section III, Evaluation Criteria and Qualifications, requirement 2.1			
Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and PKR equivalent)
		Contract Identification: Name of Employer: Address of Employer: Reason(s) for non-performance:	
Pending Litigation, in accordance with Section III, Evaluation Criteria and Qualifications			
<input type="checkbox"/> No pending litigation in accordance with Section III, Evaluation Criteria and Qualifications, Sub-Factor 2.3.			
<input type="checkbox"/> Pending litigation in accordance with Section III, Evaluation Criteria and Qualifications, Sub-Factor 2.3 as indicated below.			

Form CON – 3: Environmental, Social, Health, and Safety Performance Declaration

[The following table shall be filled in for the Bidder, each member of a Joint Venture and each Specialized Subcontractor]

Bidder's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member's or Specialized Subcontractor's Name: *[insert full name]*

RFB No. and title: *[insert RFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Environmental, Social, Health, and Safety Performance Declaration in accordance with Section III, Qualification Criteria, and Requirements			
<input type="checkbox"/> No suspension or termination of contract: An employer has not suspended or terminated a contract and/or called the performance security for a contract for reasons related to Environmental, Social, Health, or Safety (ESHS) performance since the date specified in Section III, Qualification Criteria, and Requirements, Sub-Factor 2.5.			
<input type="checkbox"/> Declaration of suspension or termination of contract: The following contract(s) has/have been suspended or terminated and/or Performance Security called by an employer(s) for reasons related to Environmental, Social, Health, or Safety (ESHS) performance since the date specified in Section III, Qualification Criteria, and Requirements, Sub-Factor 2.5. Details are described below:			
Year	Suspended or terminated portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and PKR equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for suspension or termination: <i>[indicate main reason(s) e.g. for GBV/ SEA breaches]</i>	<i>[insert amount]</i>
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i>	<i>[insert amount]</i>

		Reason(s) for suspension or termination: <i>[indicate main reason(s)]</i>	
...	...	<i>[list all applicable contracts]</i>	...
Performance Security called by an employer(s) for reasons related to ESHS performance			
Year	Contract Identification		Total Contract Amount (current value, currency, exchange rate and PKR equivalent)
<i>[insert year]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for calling of performance security: <i>[indicate main reason(s) e.g. for GBV/ SEA breaches]</i>		<i>[insert amount]</i>

Form CCC: Current Contract Commitments / Works in Progress

Bidders and each partner to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Name of contract	Employer, contact address/tel/fax	Value of outstanding work (current PKR equivalent)	Estimated completion date	Average monthly invoicing over last six months (PKR/month)
1.				
2.				
3.				
4.				
5.				
etc.				

Form FIN – 3.1: Financial Situation and Performance

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

RFB No. and title: _____

Page _____ of _____ pages

1. Financial data

Type of Financial information in (currency)	Historic information for previous _____ years, (amount in currency, currency, exchange rate, USD equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

2. Sources of Finance

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	Source of finance	Amount (PKR equivalent)
1		
2		
3		

2. Financial documents

The Bidder and its parties shall provide copies of financial statements for _____ years pursuant Section III, Evaluation and Qualifications Criteria, Sub-factor 3.2. The financial statements shall:

- (a) reflect the financial situation of the Bidder or in case of JV member , and not an affiliated entity (such as parent company or group member).
- (b) be independently audited or certified in accordance with local legislation.
- (c) be complete, including all notes to the financial statements.
- (d) correspond to accounting periods already completed and audited.

Attached are copies of financial statements²¹ for the _____ years required above; and complying with the requirements

²¹ If the most recent set of financial statements is for a period earlier than 12 months from the date of bid, the reason for this should be justified.

Form FIN - 3.2: Average Annual Construction Turnover

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

RFB No. and title: _____

Page _____ of _____ pages

Annual turnover data (construction only)			
Year	Amount Currency	Exchange rate	USD equivalent
<i>[indicate year]</i>	<i>[insert amount and indicate currency]</i>		
Average Annual Construction Turnover *			

* See Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2.

Form FIN - 3.3: Financial Resources

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

Source of financing	Amount (PKR equivalent)
1.	
2.	
3.	
4.	

Form EXP - 4.1: General Construction Experience

Bidder's Name: _____
 Date: _____
 Joint Venture Member's Name _____
 RFB No. and title: _____
 Page _____ of _____ pages

Starting Year	Ending Year	Contract Identification	Role of Bidder
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of Employer: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of Employer: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of Employer: _____ Address: _____	

Form EXP - 4.2(a): Specific Construction and Contract Management Experience

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

RFB No. and title: _____

Page _____ of _____ pages

Similar Contract No.	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub-contractor <input type="checkbox"/>
Total Contract Amount	PKR *			
If member in a JV or sub-contractor, specify participation in total Contract amount			*	
Employer's Name:				
Address:				
Telephone/fax number				
E-mail:				

Form EXP - 4.2(a) (cont.)
Specific Construction and Contract Management Experience (cont.)

Similar Contract No.	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	
2. Physical size of required works items	
3. Complexity	
4. Methods/Technology	
5. Construction rate for key activities	
6. Other Characteristics	

Form EXP - 4.2(b): Construction Experience in Key Activities

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

Sub-contractor's Name²² (as per ITB 34.2 and 34.3): _____

RFB No. and title: _____

Page _____ of _____ pages

Sub-contractor's Name (as per ITB 34.2 and 34.3): _____

All Sub-contractors for key activities must complete the information in this form as per ITB 34.2 and 34.3 and Section III, Qualification Criteria and Requirements, Sub-Factor 4.2.

1. Key Activity No One: _____

Information				
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub- contractor <input type="checkbox"/>
Total Contract Amount				PKR
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i)	Percentage participation (ii)	Actual Quantity Performed (i) x (ii)	
Year 1				
Year 2				
Year 3				
Year 4				
Employer's Name:				

²² If applicable.

Address:	
Telephone/fax number	
E-mail:	

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	Information
Employer's Name:	
Address:	
Telephone/fax number	
E-mail:	

2. Activity No. Two

3.

	Information
Description of the key activities in accordance with Sub-Factor 4.2(b) of Section III:	

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Section V - Eligible Countries

Eligibility for the Provision of Goods, Works and Services in Bank-Financed Procurement

1. In reference to ITB 4.7, and 5.1, for the information of the Bidders, at the present time firms, goods and services from the following countries are excluded from this bidding process:

Under ITB 4.7 (a) and 5.1 *Israel*

Under ITB 4.7 (b) and 5.1 None

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Section VI. Bank Policy - Corrupt and Fraudulent Practices

(Section VI shall not be modified)

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011:

“Fraud and Corruption:

1.16 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.²³ In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;²⁴
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;²⁵
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;²⁶
 - (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;²⁷

²³ In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

²⁴ For the purpose of this sub-paragraph, “*another party*” refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

²⁵ For the purpose of this sub-paragraph, “*party*” refers to a public official; the terms “*benefit*” and “*obligation*” relate to the procurement process or contract execution; and the “*act or omission*” is intended to influence the procurement process or contract execution.

²⁶ For the purpose of this sub-paragraph, “*parties*” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

²⁷ For the purpose of this sub-paragraph, “*party*” refers to a participant in the procurement process or contract execution.

- (v) “obstructive practice” is
- (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
 - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- (c) will declare misprocurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank’s sanctions procedures,²⁸ including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated²⁹;
- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to

²⁸ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank’s sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

²⁹ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.”

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PART 2 – Works Requirements

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Section VII - Works Requirements

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Specifications

1. Website link: https://ptegp.punjab.gov.pk/tenders_old#

2. Drive

link: https://drive.google.com/drive/folders/11HeXH8wveLop_rFrzUxcqPGOJ90U0NPg?usp=share_link

A set of precise and clear Specifications is a prerequisite for bidders to respond realistically and competitively to the requirements of the Employer without qualifying or conditioning their bids. In the context of international competitive bidding, the Specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done shall the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of bids be ensured, and the subsequent task of Bid evaluation facilitated. The Specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of Specifications from previous similar projects in the same country are useful in to prepare Specifications. The use of metric units is encouraged by the World Bank. Most Specifications are normally written specially by the Employer or Project Manager to suit the Contract Works in hand. There is no standard set of Specifications for universal application in all sectors in all countries, but there are established principles and practices, which are reflected in these documents.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addendums should then adapt the General Specifications to apply them to the particular Works.

Care must be taken in drafting Specifications to ensure that they are not restrictive. In the Specifications of standards for goods, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards of the Borrower's country or other standards, the Specifications should state that goods, materials, and workmanship that meet other authoritative standards, and which ensure substantially equal or higher quality than the standards mentioned, shall also be acceptable. To that effect, the following sample clause may be inserted in the Special Conditions or Specifications.

“Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that

ensure a substantially equal or higher quality than the standards and codes specified shall be accepted subject to the Project Manager's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully

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described in writing by the Contractor and submitted to the Project Manager at least 28 days prior to the date when the Contractor desires the Project Manager's consent. In the event the Project Manager determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents."

These Notes for Preparing Specifications are intended only as information for the Employer or the person drafting the bidding documents. They should not be included in the final documents.

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Environmental, social, health and safety requirements

ESMPs for toilet blocks in all zones can be downloaded from the link given below

<https://ptegp.punjab.gov.pk/node/97>

The Employer should use the services of a suitably qualified environmental, social, health and safety specialist/s to prepare the specifications for ESHS working with a procurement specialist/s.

The Employer should attach or refer to the Employer's environmental, social, health and safety policies that will apply to the project. If these are not available, the Employer should use the following guidance in drafting an appropriate policy for the Works.

SUGGESTED CONTENT FOR AN ENVIRONMENTAL AND SOCIAL POLICY (STATEMENT)

The Works' policy goal, as a minimum, should be stated to integrate environmental protection, occupational and community health and safety, gender, equality, child protection, vulnerable people (including those with disabilities), sexual harassment, gender-based violence (GBV), sexual exploitation and abuse (SEA), HIV/AIDS awareness and prevention and wide stakeholder engagement in the planning processes, programs, and activities of the parties involved in the execution of the Works. The Employer is advised to consult with the World Bank to agree the issues to be included which may also address: climate adaptation, land acquisition and resettlement, indigenous people, etc. The policy should set the frame for monitoring, continuously improving processes and activities and for reporting on the compliance with the policy.

The policy shall include a statement that, for the purpose of the policy and/or code of conduct, the term "child" / "children" means any person(s) under the age of 18 years.

The policy should, as far as possible, be brief but specific and explicit, and measurable, to enable reporting of compliance with the policy in accordance with the Particular Conditions of the Contract Sub-Clause 26.2 and Appendix B to the General Conditions of Contract.

As a minimum, the policy is set out to the commitments to:

- 1. apply good international industry practice to protect and conserve the natural environment and to minimize unavoidable impacts;*
- 2. provide and maintain a healthy and safe work environment and safe systems of work;*
- 3. protect the health and safety of local communities and users, with particular concern for those who are disabled, elderly, or otherwise vulnerable;*
- 4. ensure that terms of employment and working conditions of all workers engaged in the Works meet the requirements of the ILO labour conventions to which the host country is a signatory;*
- 5. be intolerant of, and enforce disciplinary measures for illegal activities. To be intolerant of, and enforce disciplinary measures for GBV, inhumane treatment, sexual activity with children,, and sexual harassment;*

6. *incorporate a gender perspective and provide an enabling environment where*

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women and men have equal opportunity to participate in, and benefit from, planning and development of the Works;

- 7. work co-operatively, including with end users of the Works, relevant authorities, contractors and local communities;*
- 8. engage with and listen to affected persons and organisations and be responsive to their concerns, with special regard for vulnerable, disabled, and elderly people;*
- 9. provide an environment that fosters the exchange of information, views, and ideas that is free of any fear of retaliation and protects whistleblowers;*
- 10. minimise the risk of HIV transmission and to mitigate the effects of HIV/AIDS associated with the execution of the Works;*

The policy should be signed by the senior manager of the Employer. This is to signal the intent that it will be applied rigorously.

MINIMUM CONTENT OF ESHS REQUIREMENTS

In preparing detailed specifications for ESHS requirements, the specialists should refer to and consider:

- project reports e.g. ESIA/ESMP*
- consent/permit conditions*
- required standards including World Bank Group EHS Guidelines*
- relevant international conventions or treaties etc., national legal and/or regulatory requirements and standards (where these represent higher standards than the WBG EHS Guidelines)*
- relevant international standards e.g. WHO Guidelines for Safe Use of Pesticides*
- relevant sector standards e.g. EU Council Directive 91/271/EEC Concerning Urban Waste Water Treatment*
- grievance redress mechanisms.*
- grievance redress mechanism including types of grievances to be recorded and how to protect confidentiality e.g. of those reporting allegations of GBV/SEA*
- GBV/SEA prevention and management*

The detail specification for ESHS should, to the extent possible, describe the intended outcome rather than the method of working.

The ESHS requirements should be prepared in manner that does not conflict with the relevant General Conditions of Contract and Particular Conditions of Contract, and in particular:

General Conditions of Contract

Sub-clause 3	Language and Law
Sub-clause 7.1	Subcontracting
Sub-clause 8.1	Other Contractors
Sub-clause 9	Personnel and Equipment
Sub-clause 12	Contractor's Risks
Sub-clause 15.1	Contractor to Construct the Works
Sub-clause 18.1	Safety and Protection of environment
Sub-clause 19.1	Discoveries
Sub-clause 31	Early Warnings
Sub-clause 41.4	Payments

MINIMUM REQUIREMENTS FOR THE BIDDER'S CODE OF CONDUCT

A minimum requirement for the Code of Conduct should be set out, by the Employer taking into consideration the issues, impacts, and mitigation measures identified for example in :

- *project reports e.g. ESIA/ESMP*
- *consent/permit conditions (regulatory authority conditions attached to any permits or approvals for the project)*
- *required standards including World Bank Group EHS Guidelines*
- *relevant international conventions, standards or treaties, etc., national legal and/or regulatory requirements and standards (where these represent higher standards than the WBG EHS Guidelines)*
- *relevant standards e.g. Workers' Accommodation: Process and Standards (IFC and EBRD)*
- *relevant sector standards e.g. workers accommodation*
- *grievance redress mechanisms.*

The types of issues identified could include. risks associated with: labor influx, spread of communicable diseases, sexual harassment, gender based violence, illicit behavior and crime, and maintaining a safe environment etc.

[Amend the following instructions to the Bidder taking into account the above considerations.]

A satisfactory code of conduct will contain obligations on all Contractor's personnel (including sub-contractors and day workers) that are suitable to address the following issues, as a minimum. Additional obligations may be added to respond to particular concerns of the region, the location and the project sector or to specific project requirements. The code of conduct shall contain a statement that the term "child" / "children" means any person(s) under the age of 18 years.

The issues to be addressed include:

1. Compliance with applicable laws, rules, and regulations
2. Compliance with applicable health and safety requirements to protect the local community (including vulnerable and disadvantaged groups), the Employer's and Project Manager's personnel, and the Contractor's personnel, including sub-contractors and day workers, (including wearing prescribed personal protective equipment, preventing avoidable accidents and a duty to report conditions or practices that pose a safety hazard or threaten the environment)
3. The use of illegal substances
4. Non-Discrimination in dealing with the local community (including vulnerable and disadvantaged groups), the Employer's and Project Manager's personnel, and the Contractor's personnel, including sub-contractors and day workers (for example on the basis of family status, ethnicity, race, gender, religion, language, marital status, age, disability (physical and mental), sexual orientation, gender identity, political conviction or social, civic, or health status)
5. Interactions with the local community(ies), members of the local community (ies), and any affected person(s) (for example to convey an attitude of respect, including to their culture and traditions)
6. Sexual harassment (for example to prohibit use of language or behavior, in particular towards women and/or children, that is inappropriate, harassing, abusive, sexually provocative, demeaning or culturally inappropriate)
7. Violence including sexual and/or gender based violence (for example acts that inflict physical, mental or sexual harm or suffering, threats of such acts, coercion, and deprivation of liberty)
8. Exploitation including sexual exploitation and abuse (for example the prohibition of the exchange of money, employment, goods, or services for sex, including sexual favors or other forms of humiliating, degrading behavior, exploitative behavior or abuse of power)
9. Protection of children (including prohibitions against sexual activity or abuse, or otherwise unacceptable behavior towards children, limiting interactions with children, and ensuring their safety in project areas)
10. Sanitation requirements (for example, to ensure workers use specified sanitary facilities provided by their employer and not open areas)
11. Avoidance of conflicts of interest (such that benefits, contracts, or employment, or any sort of preferential treatment or favors, are not provided to any person with whom there is a financial, family, or personal connection)
12. Respecting reasonable work instructions (including regarding environmental and social norms)
13. Protection and proper use of property (for example, to prohibit theft, carelessness or waste)
14. Duty to report violations of this Code
15. Non retaliation against workers who report violations of the Code, if that report is made in good faith.

The Code of Conduct should be written in plain language and signed by each worker to indicate that they have:

- received a copy of the code;
- had the code explained to them;
- acknowledged that adherence to this Code of Conduct is a condition of employment; and
- Understood that violations of the Code can result in serious consequences, up to and including dismissal, or referral to legal authorities.

A copy of the code shall be displayed in a location easily accessible to the community and project affected people. It shall be provided in languages comprehensible to the local community, Contractor's personnel (including sub-contractors and day workers), Employer's and Project Manager's personnel, and affected persons.

PAYMENT FOR ESHS REQUIREMENTS

The Employer's ESHS and procurement specialists should consider how the Contractor will cost the delivery of the ESHS requirements. In the majority of cases, the payment for the delivery of ESHS requirements shall be a subsidiary obligation of the Contractor covered under the prices quoted for other Bill of Quantity items or activities. For example, normally the cost of implementing work place safe systems of work, including the majors necessary for ensuring traffic safety, shall be covered by the Bidder's rates for the relevant works. Alternatively, provisional sums could be set aside for discrete activities for example for HIV counselling service, and, GBV/SEA awareness and sensitization or to encourage the contractor to deliver additional ESHS outcomes beyond the requirement of the Contract.

Drawings

1. Website link: https://ptegp.punjab.gov.pk/tenders_old#
2. Drive link: https://drive.google.com/drive/folders/1HeXH8wveLop_rFrzUxcqPGOJ90U0NPg?usp=share_link

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Supplementary Information

Lot-1 Lot-1: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 11 locations in District Rawalpindi (North Zone).

Sr. No.	District	No. of Sites	Location		No. of Seats	Remarks
1	Rawalpindi	1	Wah Gardens		6	
2		2	Sirikap Taxila		6	
3		3	Mohra Muradu Taxila		6	
4		4	Dharma Rajika Taxila		6	
5		5	Patriata Hill Station	Start Point	6	
6				Mid-Point	6	
7				Top Point	6	
8		6	Mall Road Murree	GPO Chowk	8	
9		7	Tench Bhatta Bazaar	Site-I	6	
10				Site-II	6	
11		8	Taxila Museum	Female	5	
12				Male	5	
13		9	TDCP Dhanoi Rest House Kotli Sattian		6	
14		10	TDCP Khajot Stopover,	Male	4	
15				Female	3	
16		11	TDCP SightSeeing Bus Terminal,	Site-I	6	
17				Site-II	6	
	Total Sites	11	Total Seats		97	

Lot-2: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 7 locations in District Attock, Chakwal, Jhelum & Mianwali (North Zone).

Sr. No.	District	No. of Sites	Location	No. of Seats	Remarks
1	Attock	1	Lala Rukh Tomb	6	
2	Chakwal	2	Dharabi Lake	10	
3		3	Katas Raj	10	
4		4	TDCP Resort Kallar Kahar,	5	
5		5	TDCP Dhok Talian,	10	
6	Jhelum	6	Rohtas Fort	10	
7	Mianwali	7	TDCP Daud Khel,	10	
	Total Sites	7	Total Seats	61	

Lot-3: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 8 locations in District Lahore, Sheikhpura, Kasur & Sahiwal (Central Zone).

Sr. No.	District	No. of Sites	Location	No. of Seats	Remarks	
1	Lahore	1	Shalamar Gardens	Site-I	10	
2				Site-II	10	
3		2	Jahangir Tomb	10		
4		3	Noor Jahan Tomb	10		
5	4	TDCP Sightseeing Bus Terminal	2			
6	Sheikhpura	5	Hiran Minar	10		
7		6	Sheikhpura Fort	10		
8	Sahiwal	7	Harappa Museum	10		
9	Kasur	8	TDCP Changa Manga Resort,	10		
	Total Sites	8	Total Seats	82		

Lot-4: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district Bahawalpur (South Zone).

Sr. No.	District	No. of Sites	Location	No. of Seats	Remarks
1	Bahawalpur	1	Drawer Fort	10	
2		2	Tomb Bibi Jawindi	10	
3		3	TDCP Lal Suhanra,	6	
	Total Sites	3	Total Seats	26	

Lot-5: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district D.G. Khan (South Zone).

Sr. No.	District	No. of Sites	Location	No. of Seats	Remarks
1	D.G.Khan	1	Barthi	10	Expected Cost will be 35 Million with new 1st bi-annual MRS rates 2023
2		2	Mubariki Top	10	
3		3	Gulki Top	10	
	Total Sites	3	Total Seats	30	

PART 3 – Conditions of Contract and Contract Forms

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Section VIII. General Conditions of Contract

These General Conditions of Contract (GCC), read in conjunction with the Particular Conditions of Contract (PCC) and other documents listed therein, should be a complete document expressing fairly the rights and obligations of both parties.

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General Conditions of Contract

A. General

1. Definitions

- 1.1 Boldface type is used to identify defined terms.
- (a) The 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.
 - (b) The Activity Schedule is a schedule of the activities comprising the construction, installation, testing, and commissioning of the Works in a lump sum contract. It includes a lump sum price for each activity, which is used for valuations and for assessing the effects of Variations and Compensation Events.
 - (c) The Adjudicator is the person appointed jointly by the Employer and the Contractor to resolve disputes in the first instance, as provided for in GCC 23.
 - (d) Bank means the financing institution **named in the PCC**.
 - (e) Bill of Quantities means the priced and completed Bill of Quantities forming part of the Bid.
 - (f) Compensation Events are those defined in GCC Clause 42 hereunder.
 - (g) The Completion Date is the date of completion of the Works as certified by the Project Manager, in accordance with GCC Sub-Clause 53.1.
 - (h) The Contract is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC Sub-Clause 2.3 below.
 - (i) The Contractor is the party whose Bid to carry out the Works has been accepted by the Employer.
 - (j) The Contractor's Bid is the completed bidding document submitted by the Contractor to the Employer.
 - (k) The Contract Price is the Accepted Contract Amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Contract.
 - (l) Days are calendar days; months are calendar months.

- (m) Dayworks are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.
- (n) A Defect is any part of the Works not completed in accordance with the Contract.
- (o) The Defects Liability Certificate is the certificate issued by Project Manager upon correction of defects by the Contractor.
- (p) The Defects Liability Period is the period **named in the PCC** pursuant to Sub-Clause 34.1 and calculated from the Completion Date.
- (q) 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 Employer in accordance with the Contract, include calculations and other information provided or approved by the Project Manager for the execution of the Contract.
- (r) The Employer is the party who employs the Contractor to carry out the Works, **as specified in the PCC**.
- (s) Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
- (t) "In writing" or "written" means hand-written, type-written, printed or electronically made, and resulting in a permanent record;
- (u) The Initial Contract Price is the Contract Price listed in the Employer's Letter of Acceptance.
- (v) The Intended Completion Date is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is **specified in the PCC**. The Intended Completion Date may be revised only by the Project Manager by issuing an extension of time or an acceleration order.
- (w) Materials are all supplies, including consumables, used by the Contractor for incorporation in the Works.
- (x) Plant is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.
- (y) The Project Manager is the person **named in the PCC** (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the

- Project Manager) who is responsible for supervising the execution of the Works and administering the Contract.
- (z) PCC means Particular Conditions of Contract.
 - (aa) The Site is the area **defined as such in the PCC**.
 - (bb) Site Investigation Reports are those that were included in the bidding documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.
 - (cc) Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.
 - (dd) The Start Date is **given in the PCC**. It is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.
 - (ee) A Subcontractor is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site.
 - (ff) Temporary Works are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.
 - (gg) A Variation is an instruction given by the Project Manager which varies the Works.
 - (hh) The Works are what the Contract requires the Contractor to construct, install, and turn over to the Employer, **as defined in the PCC**.

2. Interpretation

- 2.1 In interpreting these GCC, words indicating one gender include all genders. Words indicating the singular also include the plural and words indicating the plural also include the singular. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Project Manager shall provide instructions clarifying queries about these GCC.
- 2.2 If sectional completion is **specified in the PCC**, references in the GCC to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

2.3 The documents forming the Contract shall be interpreted in the following order of priority:

- (a) Agreement,
- (b) Letter of Acceptance,
- (c) Contractor’s Bid,
- (d) Particular Conditions of Contract,
- (e) General Conditions of Contract, including Appendices,
- (f) Specifications,
- (g) Drawings,
- (h) Bill of Quantities,³⁰ and
- (i) any other document **listed in the PCC** as forming part of the Contract.

3. Language and Law

3.1 The language of the Contract and the law governing the Contract are **stated in the PCC**.

3.2 Throughout the execution of the Contract, the Contractor shall comply with the import of goods and services prohibitions in the Employer’s country when

- (a) as a matter of law or official regulations, the Borrower’s country prohibits commercial relations with that country; or
- (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower’s Country prohibits any import of goods from that country or any payments to any country, person, or entity in that country.

4. Project Manager’s Decisions

4.1 Except where otherwise specifically stated, the Project Manager shall decide contractual matters between the Employer and the Contractor in the role representing the Employer.

5. Delegation

5.1 Otherwise **specified in the PCC**, the Project Manager may delegate any of his duties and responsibilities to other people, except to the Adjudicator, after notifying the Contractor, and may revoke any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is delivered.

³⁰ In lump sum contracts, delete “Bill of Quantities” and replace with “Activity Schedule.”

- 7. Subcontracting** 7.1 The Contractor may subcontract with the approval of the Project Manager, but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations.
- 8. Other Contractors** 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as **referred to in the PCC**. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.
- 9. Personnel and Equipment** 9.1 The Contractor shall employ the key personnel and use the equipment identified in its Bid, to carry out the Works or other personnel and equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of key personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.
- 92 If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.
- 93 If the Employer, Project Manager or Contractor determines, that any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Works, then that employee shall be removed in accordance with Clause 9.2 above.
- 10. Employer's and Contractor's Risks** 10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.
- 11. Employer's Risks** 11.1 From the Start Date until the Defects Liability Certificate has been issued, the following are Employer's risks:
- (a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to
 - (i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or

(ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.

(b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.

11.2 From the Completion Date until the Defects Liability Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is an Employer's risk except loss or damage due to

- (a) a Defect which existed on the Completion Date,
- (b) an event occurring before the Completion Date, which was not itself an Employer's risk, or
- (c) the activities of the Contractor on the Site after the Completion Date.

12. Contractor's Risks

12.1 From the Starting Date until the Defects Liability Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risks are Contractor's risks.

13. Insurance

13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles **stated in the PCC** for the following events which are due to the Contractor's risks:

- (a) loss of or damage to the Works, Plant, and Materials;
- (b) loss of or damage to Equipment;
- (c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and
- (d) personal injury or death.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date. All such insurance shall provide

for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

- 13.3 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.
- 13.4 Alterations to the terms of an insurance shall not be made without the approval of the Project Manager.
- 13.5 Both parties shall comply with any conditions of the insurance policies.
- 14. Site Data** 14.1 The Contractor shall be deemed to have examined any Site Data **referred to in the PCC**, supplemented by any information available to the Contractor.
- 15. Contractor to Construct the Works** 15.1 The Contractor shall construct and install the Works in accordance with the Specifications and Drawings.
- 16. The Works to Be Completed by the Intended Completion Date** 16.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date.
- 17. Approval by the Project Manager** 17.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager, for his approval.
- 17.2 The Contractor shall be responsible for design of Temporary Works.
- 17.3 The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works.
- 17.4 The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.
- 17.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Project Manager before this use.

- 18. Safety and Protection of the Environment**
- 18.1 The Contractor shall be responsible for the safety of all activities on the Site.
- 18.2 Contractor shall take all reasonable steps to protect the environment (both on and off the Site) and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations.
- 19. Discoveries**
- 19.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.
- 20. Possession of the Site**
- 20.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date **stated in the PCC**, the Employer shall be deemed to have delayed the start of the relevant activities, and this shall be a Compensation Event.
- 21. Access to the Site**
- 21.1 The Contractor shall allow the Project Manager and any person authorized by the Project Manager access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.
- 22. Instructions, Inspections and Audits**
- 22.1 The Contractor shall carry out all instructions of the Project Manager which comply with the applicable laws where the Site is located.
- 22.2 The Contractor shall keep, and shall make all reasonable efforts to cause its Subcontractors and subconsultants to keep, accurate and systematic accounts and records in respect of the Works in such form and details as will clearly identify relevant time changes and costs.
- 22.3 The Contractor shall permit and shall cause its Subcontractors and subconsultants to permit, the Bank and/or persons appointed by the Bank to inspect the Site and/or the accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Bank if requested by the Bank. The Contractor's and its Subcontractors' and subconsultants' attention is drawn to Sub-Clause 25.1 which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under Sub-Clause 22.2 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).

23. Appointment of the Adjudicator

- 23.1 The Adjudicator shall be appointed jointly by the Employer and the Contractor, at the time of the Employer's issuance of the Letter of Acceptance. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority **designated in the PCC**, to appoint the Adjudicator within 14 days of receipt of such request.
- 23.2 Should the Adjudicator resign or die, or should the Employer and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract, a new Adjudicator shall be jointly appointed by the Employer and the Contractor. In case of disagreement between the Employer and the Contractor, within 30 days, the Adjudicator shall be designated by the Appointing Authority **designated in the PCC** at the request of either party, within 14 days of receipt of such request.

24. Procedure for Disputes

- 24.1 If the Contractor believes that a decision taken by the Project Manager was either outside the authority given to the Project Manager by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within 14 days of the notification of the Project Manager's decision.
- 24.2 The Adjudicator shall give a decision in writing within 28 days of receipt of a notification of a dispute.
- 24.3 The Adjudicator shall be paid by the hour at the **rate specified in the PCC**, together with reimbursable expenses of the types **specified in the PCC**, and the cost shall be divided equally between the Employer and the Contractor, whatever decision is reached by the Adjudicator. Either party may refer a decision of the Adjudicator to an Arbitrator within 28 days of the Adjudicator's written decision. If neither party refers the dispute to arbitration within the above 28 days, the Adjudicator's decision shall be final and binding.
- 24.4** The arbitration shall be conducted in accordance with the arbitration procedures published by the institution named and in the place **specified in the PCC**.

25. Corrupt and Fraudulent Practices

- 25.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Appendix A to the GCC.
- 25.2 The Employer requires the Contractor to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the

amount and currency, and the purpose of the commission, gratuity or fee.

B. Time Control

26. Program

- 26.1 Within the time **stated in the PCC**, after the date of the Letter of Acceptance, the Contractor shall submit to the Project Manager for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works. In the case of a lump sum contract, the activities in the Program shall be consistent with those in the Activity Schedule.
- 26.2 An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.
- 26.3 The Contractor shall submit to the Project Manager for approval an updated Program at intervals no longer than the period **stated in the PCC**. If the Contractor does not submit an updated Program within this period, the Project Manager may withhold the amount **stated in the PCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted. In the case of a lump sum contract, the Contractor shall provide an updated Activity Schedule within 14 days of being instructed to by the Project Manager.
- 26.4 The Project Manager's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Project Manager again at any time. A revised Program shall show the effect of Variations and Compensation Events.

27. Extension of the Intended Completion Date

- 27.1 The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work, which would cause the Contractor to incur additional cost.
- 27.2 The Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a

delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

- 28. Acceleration**
- 28.1 When the Employer wants the Contractor to finish before the Intended Completion Date, the Project Manager shall obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts these proposals, the Intended Completion Date shall be adjusted accordingly and confirmed by both the Employer and the Contractor.
- 28.2 If the Contractor's priced proposals for an acceleration are accepted by the Employer, they are incorporated in the Contract Price and treated as a Variation.
- 29. Delays Ordered by the Project Manager**
- 29.1 The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works.
- 30. Management Meetings**
- 30.1 Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 30.2 The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.
- 31. Early Warning**
- 31.1 The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
- 31.2 The Contractor shall cooperate with the Project Manager in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Project Manager.

C. Quality Control

- 32. Identifying Defects** 32.1 The Project Manager shall check the Contractor’s work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor’s responsibilities. The Project Manager may instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.
- 33. Tests** 33.1 If the Project Manager instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event.
- 34. Correction of Defects** 34.1 The Project Manager shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion, and is **defined in the PCC**. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 34.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project Manager’s notice.
- 35. Uncorrected Defects** 35.1 If the Contractor has not corrected a Defect within the time specified in the Project Manager’s notice, the Project Manager shall assess the cost of having the Defect corrected, and the Contractor shall pay this amount.

D. Cost Control

- 36. Contract Price³¹** 36.1 The Bill of Quantities shall contain priced items for the Works to be performed by the Contractor. The Bill of Quantities is used to calculate the Contract Price. The Contractor will be paid for the quantity of the work accomplished at the rate in the Bill of Quantities for each item.
- 37. Changes in the Contract Price³²** 37.1 If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial

³¹ In lump sum contracts, replace GCC Sub-Clauses 36.1 as follows:

36.1 The Contractor shall provide updated Activity Schedules within 14 days of being instructed to by the Project Manager. The Activity Schedule shall contain the priced activities for the Works to be performed by the Contractor. The Activity Schedule is used to monitor and control the performance of activities on which basis the Contractor will be paid. If payment for materials on site shall be made separately, the Contractor shall show delivery of Materials to the Site separately on the Activity Schedule.

³² In lump sum contracts, replace entire GCC Clause 37 with new GCC Sub-Clause 37.1, as follows:

Contract Price, the Project Manager shall adjust the rate to allow for the change. The Project Manager shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Employer.

37.2 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bill of Quantities.

38. Variations

38.1 All Variations shall be included in updated Programs³³ produced by the Contractor.

38.2 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven (7) days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.

38.3 If the Contractor's quotation is unreasonable, the Project Manager may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.

38.4 If the Project Manager decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

38.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

38.6 If the work in the Variation corresponds to an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work above the limit stated in Sub-Clause 39.1 or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work.³⁴

37.1 The Activity Schedule shall be amended by the Contractor to accommodate changes of Program or method of working made at the Contractor's own discretion. Prices in the Activity Schedule shall not be altered when the Contractor makes such changes to the Activity Schedule.

³³ In lump sum contracts, add "and Activity Schedules" after "Programs."

³⁴ In lump sum contracts, delete this paragraph.

39. Cash Flow Forecasts

39.1 When the Program,³⁵ is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates.

40. Payment Certificates

40.1 The Contractor shall submit to the Project Manager monthly statements of the estimated value of the work executed less the cumulative amount certified previously.

40.2 The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.

40.3 The value of work executed shall be determined by the Project Manager.

40.4 The value of work executed shall comprise the value of the quantities of work in the Bill of Quantities that have been completed.³⁶

40.5 The value of work executed shall include the valuation of Variations and Compensation Events.

40.6 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

41. Payments

41.1 Payments shall be adjusted for deductions for advance payments and retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 28 days of the date of each certificate. If the Employer makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest for commercial borrowing for each of the currencies in which payments are made.

41.2 If an amount certified is increased in a later certificate or as a result of an award by the Adjudicator or an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.

³⁵ In lump sum contracts, add "or Activity Schedule" after "Program."

³⁶ In lump sum contracts, replace this paragraph with the following: "The value of work executed shall comprise the value of completed activities in the Activity Schedule."

413 Unless otherwise stated, all payments and deductions shall be paid or charged in the proportions of currencies comprising the Contract Price.

414 Items of the Works for which no rate or price has been entered in shall not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

**42. Compensation
Events**

42.1 The following shall be Compensation Events:

- (a) The Employer does not give access to a part of the Site by the Site Possession Date pursuant to GCC Sub-Clause 20.1.
- (b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.
- (c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.
- (d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects.
- (e) The Project Manager unreasonably does not approve a subcontract to be let.
- (f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to bidders (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.
- (g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- (h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- (i) The advance payment is delayed.
- (j) The effects on the Contractor of any of the Employer's Risks.
- (k) The Project Manager unreasonably delays issuing a Certificate of Completion.

- 422 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
- 423 As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager shall assume that the Contractor shall react competently and promptly to the event.
- 424 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor's not having given early warning or not having cooperated with the Project Manager.

43. Tax

- 43.1 The Project Manager shall adjust the Contract Price if taxes, duties, and other levies are changed between the date 28 days before the submission of bids for the Contract and the date of the last Completion certificate. The adjustment shall be the change in the amount of tax payable by the Contractor, provided such changes are not already reflected in the Contract Price or are a result of GCC Clause 44.

44. Currencies

- 44.1 Where payments are made in currencies other than the currency of the Employer's country **specified in the PCC**, the exchange rates used for calculating the amounts to be paid shall be the exchange rates stated in the Contractor's Bid.

45. Price Adjustment

- 45.1 Prices shall be adjusted for fluctuations in the cost of inputs only if **provided for in the PCC**. If so provided, the amounts certified in each payment certificate, before deducting for Advance Payment, shall be adjusted by applying the respective price adjustment factor to the payment amounts due in each currency. A separate formula of the type specified below applies to each Contract currency:

$$P_c = A_c + B_c I_{mc}/I_{oc}$$

where:

P_c is the adjustment factor for the portion of the Contract Price payable in a specific currency “c.”

A_c and B_c are coefficients³⁷ **specified in the PCC**, representing the nonadjustable and adjustable portions, respectively, of the Contract Price payable in that specific currency “c;” and

I_{mc} is the index prevailing at the end of the month being invoiced and I_{oc} is the index prevailing 28 days before Bid opening for inputs payable; both in the specific currency “c.”

45.2 If the value of the index is changed after it has been used in a calculation, the calculation shall be corrected and an adjustment made in the next payment certificate. The index value shall be deemed to take account of all changes in cost due to fluctuations in costs.

46. Retention

46.1 The Employer shall retain from each payment due to the Contractor the proportion **stated in the PCC** until Completion of the whole of the Works.

46.2 Upon the issue of a Certificate of Completion of the Works by the Project Manager, in accordance with GCC 51.1, half the total amount retained shall be repaid to the Contractor and half when the Defects Liability Period has passed and the Project Manager has certified that all Defects notified by the Project Manager to the Contractor before the end of this period have been corrected. The Contractor may substitute retention money with an “on demand” Bank guarantee.

47. Liquidated Damages

47.1 The Contractor shall pay liquidated damages to the Employer at the rate per day **stated in the PCC** for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount **defined in the PCC**. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor’s liabilities.

47.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest

³⁷ The sum of the two coefficients A_c and B_c should be 1 (one) in the formula for each currency. Normally, both coefficients shall be the same in the formulae for all currencies, since coefficient A, for the nonadjustable portion of the payments, is a very approximate figure (usually 0.15) to take account of fixed cost elements or other nonadjustable components. The sum of the adjustments for each currency are added to the Contract Price.

on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in GCC Sub-Clause 41.1.

48. Bonus

48.1 The Contractor shall be paid a Bonus calculated at the rate per calendar day **stated in the PCC** for each day (less any days for which the Contractor is paid for acceleration) that the Completion is earlier than the Intended Completion Date. The Project Manager shall certify that the Works are complete, although they may not be due to be complete.

49. Advance Payment

49.1 The Employer shall make advance payment to the Contractor of the amounts **stated in the PCC** by the date **stated in the PCC**, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to the advance payment. The Guarantee shall remain effective until the advance payment has been repaid, but the amount of the Guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest shall not be charged on the advance payment.

49.2 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager.

49.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.

50. Securities

50.1 The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount **specified in the PCC**, by a bank or surety acceptable to the Employer, and denominated in the types and proportions of the currencies in which the Contract Price is payable. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee, and until one year from the date of issue of the Completion Certificate in the case of a Performance Bond.

- 51. Dayworks**
- 51.1 If applicable, the Dayworks rates in the Contractor's Bid shall be used only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.
- 51.2 All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Project Manager. Each completed form shall be verified and signed by the Project Manager within two days of the work being done.
- 51.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.

- 52. Cost of Repairs**
- 52.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

- 53. Completion**
- 53.1 The Contractor shall request the Project Manager to issue a Certificate of Completion of the Works, and the Project Manager shall do so upon deciding that the whole of the Works is completed.

- 54. Taking Over**
- 54.1 The Employer shall take over the Site and the Works within seven days of the Project Manager's issuing a certificate of Completion.

- 55. Final Account**
- 55.1 The Contractor shall supply the Project Manager with a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Project Manager shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Project Manager shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Project Manager shall decide on the amount payable to the Contractor and issue a payment certificate.

- 56. Operating and Maintenance Manuals**
- 56.1** If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates **stated in the PCC**.

- 56.2 If the Contractor does not supply the Drawings and/or manuals by the dates **stated in the PCC** pursuant to GCC Sub-Clause 56.1, or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount **stated in the PCC** from payments due to the Contractor.

57. Termination

57.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

57.2 Fundamental breaches of Contract shall include, but shall not be limited to, the following:

- (a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Project Manager;
- (b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 28 days;
- (c) the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (d) a payment certified by the Project Manager is not paid by the Employer to the Contractor within 84 days of the date of the Project Manager's certificate;
- (e) the Project Manager gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;
- (f) the Contractor does not maintain a Security, which is required;
- (g) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as **defined in the PCC**; or
- (h) if the Contractor, in the judgment of the Employer, has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Client may, after giving fourteen (14) days written notice to the Contractor, terminate the Contract and expel him from the Site.

57.3 When either party to the Contract gives notice of a breach of Contract to the Project Manager for a cause other than those listed under GCC Sub-Clause 56.2 above, the Project Manager shall decide whether the breach is fundamental or not.

57.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

57.5 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

58. Payment upon Termination

58.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as **specified in the PCC**. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

58.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.

59. Property

59.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer if the Contract is terminated because of the Contractor's default.

60. Release from Performance

60.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.

61. Suspension of Bank Loan or Credit

61.1 In the event that the Bank suspends the Loan or Credit to the Employer, from which part of the payments to the Contractor are being made:

- (a) The Employer is obligated to notify the Contractor of such suspension within 7 days of having received the Bank's suspension notice.
- (b) If the Contractor has not received sums due it within the 28 days for payment provided for in Sub-Clause 40.1, the Contractor may immediately issue a 14-day termination notice.

PMU-PTEGP

APPENDIX A

TO GENERAL CONDITIONS

Bank’s Policy- Corrupt and Fraudulent Practices

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011:

“Fraud and Corruption:

1.16 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.³⁸ In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;³⁹
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;⁴⁰
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;⁴¹
 - (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;⁴²

³⁸ In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

³⁹ For the purpose of this sub-paragraph, “*another party*” refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

⁴⁰ For the purpose of this sub-paragraph, “*party*” refers to a public official; the terms “*benefit*” and “*obligation*” relate to the procurement process or contract execution; and the “*act or omission*” is intended to influence the procurement process or contract execution.

⁴¹ For the purpose of this sub-paragraph, “*parties*” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

⁴² For the purpose of this sub-paragraph, “*party*” refers to a participant in the procurement process or contract execution.

- (v) “obstructive practice” is
- (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
 - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- (c) will declare misprocurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank’s sanctions procedures,⁴³ including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated⁴⁴;
- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to

⁴³ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank’s sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

⁴⁴ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.”

PMU-PTTEGP

APPENDIX B

Environmental, Social, Health and Safety (ESHS)

Metrics for Progress Reports

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Metrics for regular reporting:

- a. *environmental incidents or non-compliances with contract requirements, including contamination, pollution or damage to ground or water supplies;*
- b. *health and safety incidents, accidents, injuries and all fatalities that require treatment;*
- c. *interactions with regulators: identify agency, dates, subjects, outcomes (report the negative if none);*
- d. *status of all permits and agreements:*
 - i. *work permits: number required, number received, actions taken for those not received;*
 - ii. *status of permits and consents:*
 - *list areas/facilities with permits required (quarries, asphalt & batch plants), dates of application, dates issued (actions to follow up if not issued), dates submitted to resident engineer (or equivalent), status of area (waiting for permits, working, abandoned without reclamation, decommissioning plan being implemented, etc.);*
 - *list areas with landowner agreements required (borrow and spoil areas, camp sites), dates of agreements, dates submitted to resident engineer (or equivalent);*
 - *identify major activities undertaken in each area in the reporting period and highlights of environmental and social protection (land clearing, boundary marking, topsoil salvage, traffic management, decommissioning planning, decommissioning implementation);*
 - *for quarries: status of relocation and compensation (completed, or details of activities and current status in the reporting period).*
- e. *health and safety supervision:*
 - i. *safety officer: number days worked, number of full inspections & partial inspections, reports to construction/project management;*

- ii. number of workers, work hours, metric of PPE use (percentage of workers with full personal protection equipment (PPE), partial, etc.), worker violations observed (by type of violation, PPE or otherwise), warnings given, repeat warnings given, follow-up actions taken (if any);

f. worker accommodations:

- i. number of expats housed in accommodations, number of locals;
 - ii. date of last inspection, and highlights of inspection including status of accommodations' compliance with national and local law and good practice, including sanitation, space, etc.;
 - iii. actions taken to recommend/require improved conditions, or to improve conditions.
- g. HIV/AIDS: provider of health services, information and/or training, location of clinic, number of non-safety disease or illness treatments and diagnoses (no names to be provided);*
- h. gender (for expats and locals separately): number of female workers, percentage of workforce, gender issues raised and dealt with (cross-reference grievances or other sections as needed);*
- i. training:*
- i. number of new workers, number receiving induction training, dates of induction training;
 - ii. number and dates of toolbox talks, number of workers receiving Occupational Health and Safety (OHS), environmental and social training;
 - iii. number and dates of HIV/AIDS sensitization and/or training, no. workers receiving training (this reporting period and in the past); same questions for gender sensitization, flag person training.
 - iv. number and date of GBV /SEA sensitization and/or training, number of workers receiving training on code of conduct (in the reporting period and in the past), etc.

j. environmental and social supervision:

- i. environmentalist: days worked, areas inspected and numbers of inspections of each (road section, work camp, accommodations, quarries, borrow areas, spoil areas, swamps, forest crossings, etc.), highlights of activities/findings (including violations of environmental and/or social best practices, actions taken), reports to environmental and/or social specialist/construction/site management;
- ii. sociologist: days worked, number of partial and full site inspections (by area: road section, work camp, accommodations, quarries, borrow areas, spoil areas, clinic, HIV/AIDS center, community centers, etc.), highlights of activities (including violations of environmental and/or social requirements observed, actions taken),

reports to environmental and/or social specialist/construction/site management;
and

- iii. community liaison person(s): days worked (hours community center open), number of people met, highlights of activities (issues raised, etc.), reports to environmental and/or social specialist /construction/site management.
- k. *Grievances*: list new grievances (e.g. allegations of GBV / SEA) received in the reporting period and unresolved past grievances by date received, complainant, how received, to whom referred to for action, resolution and date (if completed), data resolution reported to complainant, any required follow-up (Cross-reference other sections as needed):
 - i. Worker grievances;
 - ii. Community grievances
- l. *Traffic and vehicles/equipment*:
 - i. traffic accidents involving project vehicles & equipment: provide date, location, damage, cause, follow-up;
 - ii. accidents involving non-project vehicles or property (also reported under immediate metrics): provide date, location, damage, cause, follow-up;
 - iii. overall condition of vehicles/equipment (subjective judgment by environmentalist); non-routine repairs and maintenance needed to improve safety and/or environmental performance (to control smoke, etc.).
- m. *Environmental mitigations and issues (what has been done)*:
 - i. dust: number of working bowsers, number of waterings/day, number of complaints, warnings given by environmentalist, actions taken to resolve; highlights of quarry dust control (covers, sprays, operational status); % of rock/spoil lorries with covers, actions taken for uncovered vehicles;
 - ii. erosion control: controls implemented by location, status of water crossings, environmentalist inspections and results, actions taken to resolve issues, emergency repairs needed to control erosion/sedimentation;
 - iii. quarries, borrow areas, spoil areas, asphalt plants, batch plants: identify major activities undertaken in the reporting period at each, and highlights of environmental and social protection: land clearing, boundary marking, topsoil salvage, traffic management, decommissioning planning, decommissioning implementation;
 - iv. blasting: number of blasts (and locations), status of implementation of blasting plan (including notices, evacuations, etc.), incidents of off-site damage or complaints (cross-reference other sections as needed);

- v. spill cleanups, if any: material spilled, location, amount, actions taken, material disposal (report all spills that result in water or soil contamination);
 - vi. waste management: types and quantities generated and managed, including amount taken offsite (and by whom) or reused/recycled/disposed on-site;
 - vii. details of tree plantings and other mitigations required undertaken in the reporting period;
 - viii. details of water and swamp protection mitigations required undertaken in the reporting period.
- n. *compliance:*
- i. compliance status for conditions of all relevant consents/permits, for the Work, including quarries, etc.): statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance;
 - ii. compliance status of C-ESMP/ESIP requirements: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance
 - iii. compliance status of GBV/SEA prevention and response action plan: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance
 - iv. compliance status of Health and Safety Management Plan re: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance
 - v. other unresolved issues from previous reporting periods related to environmental and social: continued violations, continued failure of equipment, continued lack of vehicle covers, spills not dealt with, continued compensation or blasting issues, etc. Cross-reference other sections as needed.

Section IX. Particular Conditions of Contract

Except where otherwise specified, all PCC should be filled in by the Employer prior to issuance of the Bidding Documents. Schedules and reports to be provided by the Employer should be annexed.

A. General	
GCC 1.1 (d)	The financing institution is: World Bank
GCC 1.1 (s)	The Employer is Punjab Tourism For Economic Growth Project (PTEGP) through its Project Manager.
GCC 1.1 (v)	The Intended Completion Date for the whole of the Works shall be Eight (08) Months after award of contract.
GCC 1.1 (y)	The Project Manager is Mr. Waqas Malik – Project Director PTEGP Address: 175-A Upper Mall Scheme Lahore.
GCC 1.1 (aa)	
GCC 1.1 (dd)	The Start Date shall be : Within seven (07) day from the signing of contract
GCC 1.1 (hh)	The Works consist of Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in Punjab.
GCC 1.1 (ii)	The following is added as GCC 1.1. (ii) “ESHS” means environmental, social (including sexual exploitation and abuse (SEA) and gender based violence (GBV)), health and safety.
GCC 2.2	Sectional Completions are: <i>[completed Toilets Blocks will be taken over during the contract period as and when completed]</i>
GCC 2.3(i)	The following documents also form part of the Contract: the ESHS Management Strategies and Implementation Plans; and i. Code of Conduct (ESHS). ii. Environmental & Social Screening report (Please note that HSE training plan and PCRMP/EMP shall be applicable as per environmental & Social Screening report)
GCC 3.1	The language of the contract is English The law that applies to the Contract is the law of Islamic Republic of Pakistan which includes the following legislations;

	<p>The Employment of Children (ECA) Act 1991</p> <p>The Bonded Labour System (Abolition) Act of 1992</p> <p>The Factories Act 1934</p> <p>Latest legislation of the Acts shall be applicable</p>
GCC 5.1	The Project manager <i>may</i> delegate any of his duties and responsibilities.
GCC 8.1	Schedule of other contractors: <i>[insert Schedule of Other Contractors, if appropriate]</i> N/A
GCC 9.1	<p>Key Personnel</p> <p>GCC 9.1 is replaced with the following:</p> <p>9.1 Key Personnel are the Contractor’s personnel named in this GCC 9.1 of the Particular Conditions of Contract. The Contractor shall employ the Key Personnel and use the equipment identified in its Bid, to carry out the Works or other personnel and equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of Key Personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.</p> <p><i>[insert the name/s of each Key Personnel agreed by the Employer prior to Contract signature.]</i></p>
GCC 9.2	<p>Code of Conduct (ESHS)</p> <p>The following is inserted at the end of GCC 9.2:</p> <p>“The reasons to remove a person include behavior which breaches the Code of Conduct (ESHS) (e.g. spreading communicable diseases, sexual harassment, gender based violence, (GBV), sexual exploitation or abuse, illicit activity or crime).”</p>
GCC 13.1	<p>The minimum insurance amounts and deductibles shall be:</p> <p>(a) for loss or damage to the Works, Plant and Materials: 10% of Contract Price.</p> <p>(b) For loss or damage to Equipment: is the replacement cost of the equipment.</p> <p>(c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract: Cost of the property</p>

	<p>(d) for personal injury or death:</p> <p>(i) of the Contractor’s employees: is as required by the law of Pakistan including, for example, the Workmen’s Compensation Act.</p> <p>(ii) of other people: Rs: 300,000 per event.</p> <p>With reputed insurer and in terms approved by the Project Manager.</p> <p>For fulfilling his obligations under Sub-Clauses, the Contractor shall be reimbursed on a prime cost basis the actual amount of premium paid by the Contractor for providing the required insurance. The Contractor’s overhead costs, profits and all other costs incidental to providing the specified insurance in the Bill of Quantities and no separate payment on this account will be made by the Project Manager.</p> <p>The Insurance Company shall have financial strength rating outlook AA with PACRA (The Pakistan Credit Rating Agency) or ICR-VIS (Affiliation of Japan Credit Rating Agency).</p> <p>The Insurance Company shall submit their financial highlights.</p>
GCC 14.1	Site Data are: as per instruction given on the copy of drawings and Technically approved cost estimates
GCC 16.1 (add new 16.2)	<p>ESHS Management Strategies and Implementation Plans</p> <p>The following is inserted as a new sub-clause 16.2:</p> <p>“16.2 The Contractor shall not carry out any Works, including mobilization and/or pre-construction activities (e.g. limited clearance for haul roads, site accesses and work site establishment, geotechnical investigations or investigations to select ancillary features such as quarries and borrow pits), unless the Project Manager is satisfied that appropriate measures are in place to address environmental, social, health and safety risks and impacts. At a minimum, the Contractor shall apply the Management Strategies and Implementation Plans and Code of Conduct, submitted as part of the Bid and agreed as part of the Contract. The Contractor shall submit, on a continuing basis, for the Project Manager’s prior approval, such supplementary Management Strategies and Implementation Plans as are necessary to manage the ESHS risks and impacts of ongoing works. These Management Strategies and Implementation Plans collectively comprise the Contractor’s Environmental and Social Management Plan (C-ESMP). The C-ESMP shall be approved prior to the commencement of construction activities (e.g. excavation, earth works, bridge and structure works, stream and road diversions, quarrying or extraction of materials, concrete batching and asphalt manufacture). The approved C-</p>

	ESMP shall be reviewed, periodically (but not less than every six (6) months), and updated in a timely manner, as required, by the Contractor to ensure that it contains measures appropriate to the Works activities to be undertaken. The updated C-ESMP shall be subject to prior approval by the Project Manager.”
GCC 20.1	The Site Possession Date(s) shall be: Thirty (30) days after issuance of the Letter of Acceptance/Award of Notification
GCC 23.1 & GCC 23.2	Appointing Authority for the Adjudicator: Registrar Pakistan Engineering Council Lahore Office
GCC 24.3	Hourly rate and types of reimbursable expenses to be paid to the Adjudicator: Fee per hour as decided by Registrar – PEC Lahore Office Reimbursable expenses: Travel eg air/taxi fare Accommodation Subsistence
GCC 24.4	Institution whose arbitration procedures shall be used: is the Court of Law of Pakistan The place of arbitration shall be: Lahore - Pakistan
B. Time Control	
GCC 26.1	The Contractor shall submit for approval a Program for the Works within [28] days from the date of the Letter of Acceptance.
GCC 26.2	ESHS Reporting Inserted at the end of GCC 26.2 “In addition to the progress report the Contractor shall also provide a report on the Environmental, Social, Health and Safety (ESHS) metrics set out in Appendix B. In addition to Appendix B reports, the Contractor shall also provide immediate notification to the Project Manager of incidents in the following categories. Full details of such incidents shall be provided to the Project Manager within the timeframe agreed with the Project Manager. (a) confirmed or likely violation of any law or international agreement; (b) any fatality or serious (lost time) injury;

	<p>(c) significant adverse effects or damage to private property (e.g. vehicle accident, damage from fly rock, working beyond the boundary)</p> <p>(d) major pollution of drinking water aquifer or damage or destruction of rare or endangered habitat (including protected areas) or species; or</p> <p>(e) any allegation of gender based violence (GBV), sexual exploitation or abuse, sexual harassment or sexual misbehavior, rape, sexual assault, child abuse, or defilement, or other violations involving children.</p>
GCC 26.3	<p>The period between Program updates is sixty (60) days after commencement of the work.</p> <p>The amount to be withheld for late submission of an updated Program is PKR 20,000/-.</p>
C. Quality Control	
GCC 34.1	The Defects Liability Period is: 365 days.
D. Cost Control	
GCC 38.2	<p>At the end of 38.2 add after the first sentence:</p> <p>“The Contractor shall also provide information of any ESHS risks and impacts of the Variation.”</p>
GCC 40	<p>Add new GCC 40.7:</p> <p>“40.7 if the Contractor was, or is, failing to perform any ESHS obligations or work under the Contract, the value of this work or obligation, as determined by the Project Manager, may be withheld until the work or obligation has been performed, and/or the cost of rectification or replacement, as determined by the Project Manager, may be withheld until rectification or replacement has been completed. Failure to perform includes, but is not limited to the following:</p> <p>(i) failure to comply with any ESHS obligations or work described in the Works’ Requirements which may include: working outside site boundaries, excessive dust, failure to keep public roads in a safe usable condition, damage to offsite vegetation, pollution of water courses from oils or sedimentation, contamination of land e.g. from oils, human waste, damage to archeology or cultural heritage features, air pollution as a result of unauthorized and/or inefficient combustion;</p>

	<ul style="list-style-type: none"> (ii) failure to regularly review C-ESMP and/or update it in a timely manner to address emerging ESHS issues, or anticipated risks or impacts; (iii) failure to implement the C-ESMP e.g. failure to provide required training or sensitization; (iv) failing to have appropriate consents/permits prior to undertaking Works or related activities; (v) failure to submit ESHS report/s (as described in Appendix C), or failure to submit such reports in a timely manner; (vi) failure to implement remediation as instructed by the Engineer within the specified timeframe (e.g. remediation addressing non-compliance/s). (vii) Environmental and Social Management Plan (ESMP) detail is attached.
GCC 44.1	The currency of the Employer's country is: PKR
GCC 45.1	<p>The Contract is subject to price adjustment in accordance with GCC Clause 45</p> <p>The coefficients for adjustment of prices are:</p> <ul style="list-style-type: none"> (a) For currency [Pakistani Rupees]: <ul style="list-style-type: none"> (i) 49 percent or (0.49) non-adjustable coefficient An. (ii) 59 percent or (0.51) adjustable coefficient Bn. (b) The source for determining the base cost index (CWo) and current cost index (CWn) will be the official monthly cost index for CPI "Construction Input Items" published by the Pakistan Bureau of Statistics (PBS) through the "Monthly Review of Price Indices". Depending on the location of construction site, either the index of "construction input items" under the CPI (urban) or CPI (rural) should be selected. All the historical publications are available at https://www.pbs.gov.pk/content/price-statistics.

GCC 46.1	The proportion of payments retained is: 5%
GCC 47.1	The liquidated damages for the whole of the Works are 0.1% <i>percentage of the final Contract Price</i> per day. The maximum amount of liquidated damages for the whole of the Works is 10% of the final Contract Price.
GCC 48.1	The Bonus for the whole of the Works is nil per day. The maximum amount of Bonus for the whole of the Works is nil of the final Contract Price.
GCC 49.1	The Advance Payments shall be: up to 20% of the Contract Price and shall be paid to the Contractor no later than 28 days after fulfillment of the requirements of clause 50.1.
GCC 50.1	An Environmental, Social, Safety and Health (ESHS) Performance Security ' <i>shall not</i> ' be provided to the Employer. ”

GCC 50.1	<p>The Performance Security amount is</p> <p>(a) Performance Security – Bank Guarantee: 5 percent of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount.</p> <p><i>[A Bank Guarantee shall be unconditional (on demand) (see Section X, Contract Forms).</i></p>
	E. Finishing the Contract
GCC 56.1	<p>Delete the words “operating and maintenance manuals”</p> <p>The date by which “as built” drawings are required is fifteen (15) days after issuance of the Certificate of Completion of the Works.</p>
GCC 56.2	<p>The amount to be withheld for failing to produce “as built” drawings is 1% of the Contract Price as stated in the Letter of Acceptance.</p>
GCC 57.2 (g)	<p>The maximum number of days is: 100 days.</p>
GCC 58.1	<p>The percentage to apply to the value of the work not completed, representing the Employer’s additional cost for completing the Works, is 20% of the cost of non-completed work</p>

Section X - Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

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Letter of Acceptance

[on letterhead paper of the Employer]

..... *[date]*.

To: *[name and address of the Contractor]*

Subject: *[Notification of Award Contract No.]*

This is to notify you that your Bid dated *[insert date]* for execution of the
 *[insert name of the contract and identification number, as given in the PCC]*..... for the
 Accepted Contract Amount of *[insert amount in numbers and words and name of
 currency]*, as corrected and modified in accordance with the Instructions to Bidders is
 hereby accepted by our Agency.

You are requested to furnish the Performance Security and an Environmental, Social,
 Health and Safety Performance Security ***[Delete ESHS Performance Security if it is not
 required under the contract]*** within 28 days in accordance with the Conditions of
 Contract, using for that purpose the of the Performance Security Form and the ESHS
 Performance Security Form, ***[Delete reference to the ESHS Performance Security Form
 if it is not required under the contract]*** included in Section X - Contract Forms, of the
 bidding document.

[Choose one of the following statements:]

We accept that _____ *[insert the name of Adjudicator proposed by the
 Bidder]* be appointed as the Adjudicator.

[or]

We do not accept that _____ *[insert the name of the Adjudicator proposed
 by the Bidder]* be appointed as the Adjudicator, and by sending a copy of this Letter of
 Acceptance to _____ *[insert name of the
 Appointing Authority]*, the Appointing Authority, we are hereby requesting such Authority
 to appoint the Adjudicator in accordance with ITB 43.1 and GCC 23.1.

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Attachment: Contract Agreement

PMU-PTEGP

Contract Agreement

THIS AGREEMENT made theday of,, between
 . [name of the Employer]. (hereinafter “the Employer”), of the one part, and
 [name of the Contractor]..... (hereinafter “the Contractor”), of the other part:

WHEREAS the Employer desires that the Works known as [name of the Contract].
 .should be executed by the Contractor, and has accepted a Bid by the Contractor for the
 execution and completion of these Works and the remedying of any defects therein,

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - (a) the Letter of Acceptance
 - (b) the Letter of Bid
 - (c) the addenda Nos _____(if any)
 - (d) the Particular Conditions
 - (e) the General Conditions of Contract, including Appendices;
 - (f) the Specification
 - (g) the Drawings
 - (h) Bill of Quantities; ⁴⁵ and
 - (i) any other document **listed in the PCC** as forming part of the Contract;
3. In consideration of the payments to be made by the Employer to the Contractor as specified in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, 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.

⁴⁵ In lump sum contracts, delete “Bill of Quantities” and replace with “Activity Schedule.”

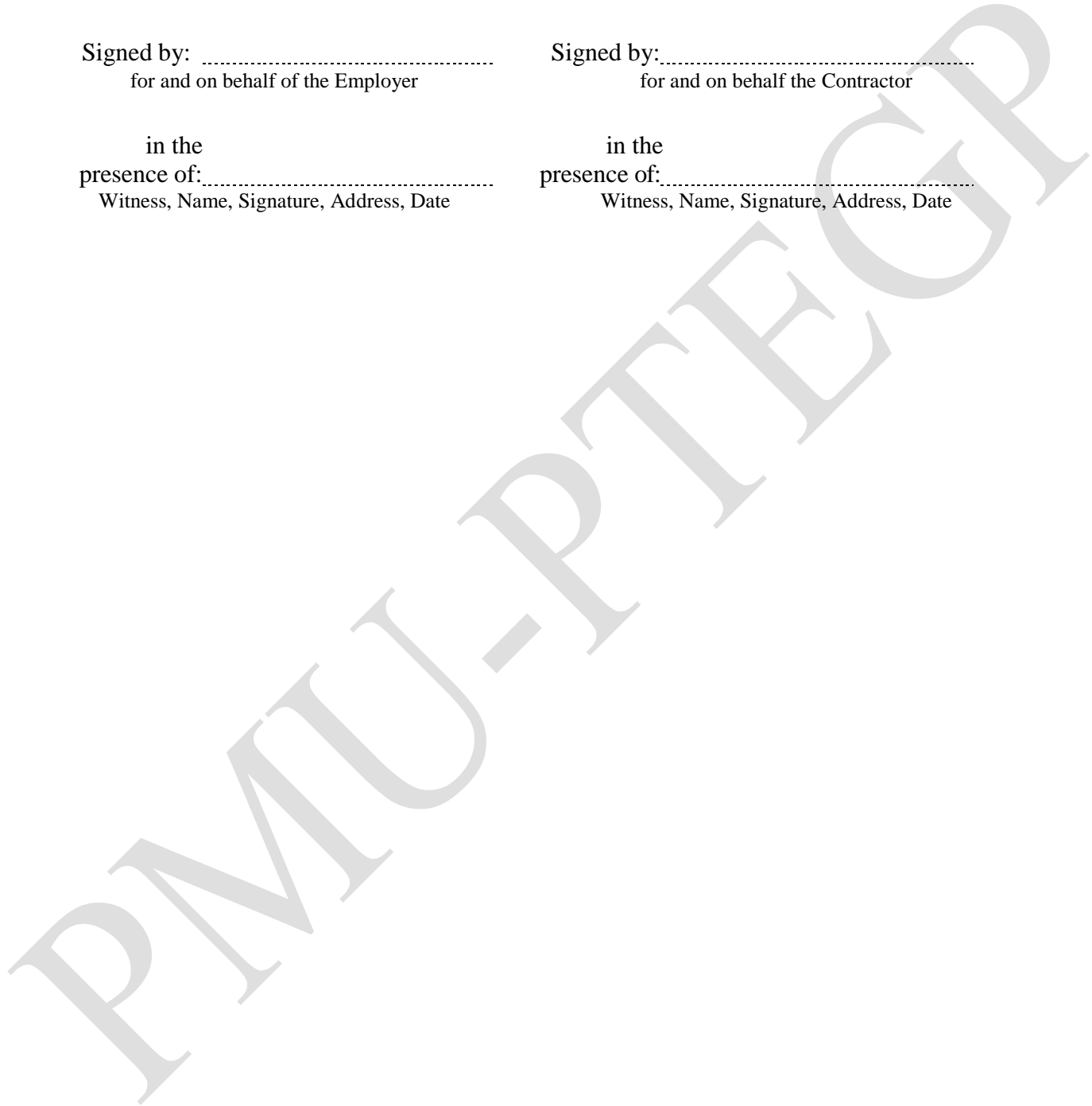
IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *[name of the borrowing country]*.....on the day, month and year specified above.

Signed by:
for and on behalf of the Employer

Signed by:
for and on behalf the Contractor

in the
presence of:
Witness, Name, Signature, Address, Date

in the
presence of:
Witness, Name, Signature, Address, Date



Performance Security (Bank Guarantee)

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[insert name and Address of Employer]*

Date: *_ [Insert date of issue]*

PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *_ [insert name of Contractor, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the execution of *_ [insert name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* (*_____*) *[insert amount in words]*,¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of, 2...², and any demand for payment under it must be received by us at this office indicated above on or before that date.

¹ *The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance, less provisional sums, if any, and denominated either in the currency(cies) of the Contract or a freely convertible currency acceptable to the Beneficiary.*

² *Insert the date twenty-eight days after the expected completion date as described in GC Clause 53.1. The Employer should note that in the event of an extension of this date for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.

[signature(s)]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

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[six months] [one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

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Advance Payment Security

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[Insert name and Address of Employer]*

Date: *[Insert date of issue]*

ADVANCE PAYMENT GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[insert name of Contractor, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[Insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the execution of *[insert name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum *[insert amount in figures]* () *[insert amount in words]* is to be made against an advance payment guarantee.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* () *[insert amount in words]*¹ upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:

- (a) has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or
- (b) Has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above

¹ *The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency (ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Employer.*

has been credited to the Applicant on its account number *[insert number]* at *[insert name and address of Applicant's bank]*..

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, less provisional sums, has been certified for payment, or on the *[insert day]* day of *[insert month]*, 2 *[insert year]*,² whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.

[signature(s)]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

² *Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*

Invitation for Bids

Procuring Agency: Punjab Tourism for Economic Growth Project

Country: Pakistan

Name of Project: Punjab Tourism for Economic Growth Project (PTEGP)

Contract Title: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in Punjab

Reference No. PK-PTEG-333401-GO-RFB

Loan No./Credit No./Grant No.: IDA-5982

1. The Government of Punjab has received a credit from the International Development Association (World Bank Group) for the implementation of PTEGP and intends to support a contract that may be awarded as per criteria mentioned in bidding documents. The PTEGP invites sealed bids from eligible bidders/contractors for the “**Construction/Renovation of Toilet Blocks**” at different Heritage & Tourist Sites in Punjab i.e. Attock, Rawalpindi, Chakwal, Jhelum, Mianwali, Lahore, Sheikhpura, Kasur, Sahiwal, Bahawalpur & DG Khan with four lots. Bidders may bid for one or more lots. Bids evaluation and contract award will be done on a lot basis through single stage on envelope method.
2. **Lot-1: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 11 locations in District Rawalpindi (North Zone).**
3. **Lot-2: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 7 locations in District Attock, Chakwal, Jhelum & Mianwali (North Zone).**
4. **Lot-3: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 8 locations in District Lahore, Sheikhpura, Kasur & Sahiwal (Central Zone).**
5. **Lot-4: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district Bahawalpur (South Zone).**
6. **Lot-5: Construction/Renovation of Toilet Blocks at different Heritage & Tourist Sites in 3 locations in district D.G. Khan (South Zone).**
7. Bidding will be conducted through National Competitive Bidding (NCB). Procurement shall be done in accordance with World Bank Procurement Guidelines January 2011 (revised July 2014)
8. Interested eligible bidders may obtain further information from PMU Punjab Tourism for Economic Growth Project 175-A Upper Mall Scheme, Lahore, or by emailing pmpuategp@gmail.com during office hours 0900 to 1600 hours. Bidding documents can be downloaded from www.ptegp.punjab.gov.pk. Printed bidding documents can either be obtained directly from the address given below or couriered on request at a price of Rs. 2,000/- which may be deposited as per government rules.
9. A pre-bid meeting will be held on March 14, 2023 at 11:30 AM Conference Room of PMU-PTEGP office. Kindly send a request through email at pmpuategp@gmail.com to attend the Virtual pre-bid meeting.
10. Bids must be delivered to the above office address by or before March 28, 2023 by 1400 hours and must be accompanied by a bid security declaration.
11. Bids will be publicly opened in presence of the Bidders’ designated representative and anyone who chooses to attend at the address below on March 28, 2023 by 1430 hours. Late submission of bids shall not be considered.
12. The “Bid Security” against each lot is as under,

Lot-1: 2.1 million.

Lot-2: 1.32 million.

Lot-3: 1.82 million.

Lot-4: 0.60 million.

Lot-5: 0.65 million.

13. Bidder may contact at pmuptegp@gmail.com and following postal address for their grievance redressal.

**Project Manager, Project Management Unit (PMU) PTEGP, 175-A, Upper Mall Scheme Lahore.
Phone No: 042 99332607-8**

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