



Gateway to National Prosperity

**PORT QASIM AUTHORITY
BIN QASIM, KARACHI-75020**

NOTICE INVITING TENDER

1. Port Qasim Authority invites sealed tender from the Contractors / firms registered with Pakistan Engineering Council (PEC), C-6 Category or above, valid up to 30th June 2025, with specialization code ME-06 & CE-09 registered with Federal Board Revenue (FBR), SRB on active tax payer list (ATL) and (e-PADS) for the work mentioned here in under:

Tender No.	Name of work	Earnest Money in Shape of Pay Order (Refundable) in favour of PQA	Tender fee in shape of pay Order (Non-Refundable) in favour of PQA	Contract Period	Tender submission & opening date
187	Cleaning of Underground Water Reservoirs & Over head tanks at Water Works, Pump Houses	Rs.125,000/=	Rs.3,000/=	03 months	08.05.2025

2. Interested firms are required to contact Director (M&E) office Port Qasim Authority for inspection of the site and obtain tender document on any working day during office hours 9:00 AM to 04.00 PM (Monday to Friday) on payment of tender fee of Rs. 3000/=.
3. Complete tender document/form dully filled in along with attachments in a single sealed envelope with fixed bid security earnest money in shape of Pay order issued from any schedule Bank of Pakistan "AA" rating situated at Karachi in favour of Port Qasim Authority shall be submitted in the office of Director (M&E) by 1130 hours, on the date and time mentioned above. The bidders will have to submit their bids through e-PADS also.
4. Tenders will be opened at 1200 hours on same date in presence of the representative of the bidders, who may wish to attend if no earnest money enclosed with tender, document shall be returned to concerned bidder at the same time.
5. In case of holiday on the date of submission/opening of tender, the same will be opened on the next working day at the same time.
6. PPRA-2004 rules will be strictly observed in the tender. The advertisement is also available on PQA website:www.pqa.gov.pk and PPRA website:www.ppra.org.pk
7. Port Qasim Authority reserves the right to accept or reject any or all tenders as per PPRA-2004 and no claim whatsoever will be entertained in this regard. Authority's decision in this respect shall be final and binding on all the Tenderers.


(Shahnawaz Mangrio)
SECRETARY



PORT QASIM AUTHORITY
MECHANICAL & ELECTRICAL DEPARTMENT

PORT QASIM

THE GATEWAY TO NATIONAL PROSPERITY

TENDER & CONTRACT DOCUMENT

FOR

CLEANING OF UNDERGROUND RESERVOIRS & OVERHEAD
TANKS AT WATER WORKS & PUMP HOUSES.

2025

SUMMARY OF CONTENTS

<u>Subject</u>	<u>Page No</u>
(I) INVITATION FOR BIDS	03
(II) INSTRUCTIONS TO BIDDERS & BIDDING DATA	04-18
(III) FORM OF BID & SCHEDULES TO BID	19-30
(IV) CONDITIONS OF CONTRACT & CONTRACT DATA	31-49
(V) STANDARD FORMS	50-58
(VI) SPECIAL STIPULATION	59-60
(VII) BILL OF QUANTITY	63-70

INVITATION FOR BID

INSTRUCTIONS TO BIDDERS

TABLE OF CONTENTS

INSTRUCTIONS TO BIDDERS

<i>Clause No.</i>	<i>Description</i>	<i>Page No.</i>
A. GENERAL		
IB.1	Scope of Bid & Source of Funds	6
IB.2	Eligible Bidders	6
IB.3	Cost of Bidding	6
B. BIDDING DOCUMENTS		
IB.4	Contents of Bidding Documents	7
IB.5	Clarification of Bidding Documents	7
IB.6	Amendment of Bidding Documents	7
C- PREPARATION OF BID		
IB.7	Language of Bid	8
IB.8	Documents Comprising the Bid	8
IB.9	Sufficiency of Bid	8
IB.10	Bid Prices, Currency of Bid & Payment	9
IB.11	Documents Establishing Bidder's Eligibility and Qualifications	9
IB.12	Documents Establishing Works	9
	Conformity to Bidding Documents	9
IB.13	Bidding Security	9
IB.14	Validity of Bids, Format, Signing and Submission of Bid	10
D-SUBMISSION OF BID		
IB.15	Deadline for Submission, Modification & Withdrawal of Bids	11
E. BID OPENING AND EVALUATION		
IB.16	Bid Opening, Clarification and Evaluation	11
IB.17	Process to be Confidential	13
F. AWARD OF CONTRACT		
IB.18	Qualification	14
IB.19	Award Criteria & Employers Right	14
IB.20	Notification of Award & Signing of Contract Agreement	14
IB.21	Performance Security	15
IB.22	Advance Payment	15

INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders (IB) along with Bidding Data will not be part of Contract and will cease to have effect once the Contract is signed).

A. GENERAL

IB.1 Scope of Bid & Source of Funds

1.1 Scope of Bid

The Employer as defined in the Bidding Data (hereinafter called “the Employer”) wishes to receive Bids for the Works summarized in the Bidding Data (hereinafter referred to as “the Works”).

Bidders must quote for the complete scope of work. Any Bid covering partial scope of work will be rejected as non-responsive.

1.2 Source of Funds

The Employer has arranged funds from its own sources.

IB.2 Eligible Bidders

2.1 Bidding is open to all firms and persons meeting the following requirements:

- a) Registered by the Pakistan Engineering Council (PEC) in ME-06 & CE-09 code/category C-6 or above and valid up to 30th June, 2025.
- b) Relevant experience in this field for last three years.
- c) NTN & SRB (Active) in Tax Payer List (ATL) Registration certificates of the firm/company registered with (e-PADS)

IB.3 Cost of Bidding

3.1 The bidder shall bear all costs associated with the preparation and submission of its bid and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. BIDDING DOCUMENTS

IB.4 Contents of Bidding Documents

- 4.1 In addition to Invitation for Bids, the Bidding Documents are those stated below, and should be read in conjunction with any Addendum issued in accordance with Sub-Clause IB.6.1.
1. Instructions to Bidders & Bidding Data
 2. Form of Bid & Schedules to Bid
Schedules to Bid comprise the following:
 - (i) Schedule A: Schedule of Prices
 - (ii) Schedule B: Specific Works Data
 - (iii) Schedule C: Works to be Performed by Subcontractors
 - (iv) Schedule D: Proposed Programme of Works
 - (v) Schedule E: Method of Performing Works
 3. Conditions of Contract & Contract Data
 4. Standard Forms:
 - (i) Form of Bid Security
 - (ii) Form of Performance Security
 - (iii) Form of Contract Agreement
 - (iv) Form of Bank Guarantee for Advance Payment
 5. Technical Specifications
 6. Bill of Quantity
 7. Drawings, if any

IB.5 Clarification of Bidding Documents

- 5.1 A prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Engineer/Employer at the Employer's/Engineer's address indicated in the Bidding Data.
- 5.2 The Engineer/Employer will respond to any request for clarification which it receives earlier than ten (10) days prior to the deadline for the submission of Bids. Copies of the Engineer/Employer's response will be forwarded to all prospective bidders, at least five(5) days prior to dead line for submission of Bids, who have received the Bidding Documents including a description of the enquiry but without identifying its source.

IB.6 Amendment of Bidding Documents

- 6.1 At any time prior to the deadline for submission of Bids, the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.
- 6.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 6.1 hereof, and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Employer.

- 6.3 To afford 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 submission of Bids.

C. PREPARATION OF BIDS

IB.7 Language of Bid

- 7.1 The bid prepared by the bidder and all correspondence and documents relating to the Bid, exchanged by the bidder and the Employer shall be written in the English language, provided that any printed literature furnished by the bidder may be written in another language so long as accompanied by an English translation of its pertinent passages in which case, for purposes of interpretation of the Bid, the English translation shall govern.

IB.8 Documents Comprising the Bid

- 8.1 The bid prepared by the bidder shall comprise the following components:
- (a) Covering Letter
 - (b) Form of Bid duly filled, signed and sealed, in accordance with Sub-Clause IB.14.3.
 - (c) Schedules (A to F) to Bid duly filled and initialed, in accordance with the instructions contained therein & in accordance with Sub-Clause IB.14.3.
 - (d) Bid Security furnished in accordance with Clause IB.13.
 - (e) Power of Attorney in accordance with Sub-Clause IB.14.5.
 - (f) Documentary evidence in accordance with Clause IB.11
 - (g) Documentary evidence in accordance with Clause IB.12.

IB.9 Sufficiency of Bid

- 9.1 Each bidder shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid and of the rates and prices entered in the Schedule of Prices, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the Works.
- 9.2 The bidder is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the bid and entering into a Contract for execution of the Works.

IB.10 Bid Prices, Currency of Bid and Payment

- 10.1 The bidder shall fill up the Schedule of Prices (Schedule A to Bid) indicating the unit rates and prices of the Works to be performed under the Contract. Prices in the Schedule of Prices shall be entered keeping in view the instructions contained in the Preamble to Schedule of Prices.
- 10.2 Unless otherwise stipulated in the Conditions of Contract, prices quoted by the bidder shall remain fixed during the bidder's performance of the Contract and not subject to variation on any account.
- 10.3 The unit rates and prices in the Schedule of Prices shall be quoted by the bidder in the currency as stipulated in Bidding Data.

IB.11 Documents Establishing Bidder's Eligibility and Qualifications

- 11.1 Pursuant to Clause IB.8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
- 11.2 Bidder/Manufacturer must possess and provide evidence of its capability and the experience as stipulated in Bidding Data and the Qualification Criteria stipulated in the Bidding Documents.

IB.12 Documents Establishing Works' Conformity to Bidding Documents

- 12.1 The documentary evidence of the Works' conformity to the Bidding Documents may be in the form of literature, drawings and data and the bidder shall furnish documentation as set out in Bidding Data.
- 12.2 The bidder shall note that standards for workmanship, material and equipment, and references to brand names or catalogue numbers, if any, designated by the Employer in the Technical Provisions are intended to be descriptive only and not restrictive.

IB.13 Bid Security

- 13.1 Each bidder shall furnish, as part of his bid, at the option of the bidder, a Bid Security in the amount stipulated in Bidding Data in Pak. Rupees in the form of Pay Order issued by a "AA" rating Scheduled Bank of Pakistan favour of the Employer valid for a period up to twenty eight (28) days beyond the bid validity date.
- 13.2 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.
- 13.3 The bid securities of unsuccessful bidders will be returned upon award of contract to the successful bidder or on the expiry of validity of Bid Security whichever is earlier.
- 13.4 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security, pursuant to Clause IB.21 and signed the Contract Agreement, pursuant to Sub-Clauses IB.20.2 & 20.3.

13.5 The Bid Security may be forfeited:

- (a) if a bidder withdraws his bid during the period of bid validity; or
- (b) if a bidder does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) hereof; or
- (c) in the case of a successful bidder, if he fails to:
 - (i) furnish the required Performance Security in accordance with Clause IB.21, or
 - (ii) sign the Contract Agreement, in accordance with Sub-Clauses IB.20.2 & 20.3.

IB.14 Validity of Bids, Format, Signing and Submission of Bid

14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the date of bid opening.

14.2 All Schedules to Bid are to be properly completed and signed.

14.3 No alteration is to be made in the Form of Bid except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the bid may be rejected.

14.4 Each bidder shall prepare Original and number of copies specified in the Bidding Data of the documents comprising the bid as described in Clause IB.8 and clearly mark them “ORIGINAL” and “COPY” as appropriate. In the event of discrepancy between them, the original shall prevail.

14.5 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign (in the case of copies, Photostats are also acceptable). This shall be indicated by submitting a written Power of Attorney authorizing the signatory of the bidder to act for and on behalf of the bidder.

All pages of the bid shall be initialed and official seal be affixed by the person or persons signing the bid.

14.6 The Bid shall be delivered in person or sent by registered mail at the address to Employer as given in Bidding Data.

D. SUBMISSION OF BID

IB.15 Deadline for Submission, Modification & Withdrawal of Bids

- 15.1 Bids must be received by the Employer at the address/provided in Bidding Data not later than the time and date stipulated therein.
- 15.2 Bids submitted through telegraph, telex, fax or e-mail shall not be considered.
- 15.3 Any bid received by the Employer after the deadline for submission prescribed in Bidding Data will be returned unopened to such bidder.
- 15.4 Any bidder may modify or withdraw his bid after bid submission provided that the modification or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.
- 15.5 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security pursuant to Sub-Clause IB.13.5(a).

E. BID OPENING AND EVALUATION

IB.16 Bid Opening, Clarification and Evaluation

- 16.1 The Employer will open the bids, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data.
- 16.2 The bidder's name, Bid Prices, the presence or absence of Bid Security, and such other details as the Employer at its discretion may consider appropriate, will be announced by the Employer at the bid opening. The Employer will record the minutes of the bid opening. Representatives of the bidders who choose to attend shall sign the attendance sheet.
- 16.3 To assist in the examination, evaluation and comparison of Bids the Engineer/Employer may, at its discretion, ask the bidder for a clarification of its Bid. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.
- 16.4 (a) Prior to the detailed evaluation, pursuant to Sub-Clauses IB.16.7 to 16.9, the Engineer/Employer will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. It will include to determine the requirements listed in Bidding Data.

(b) Arithmetical errors will be rectified on the following basis:
If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Bid price entered in Form of Bid and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Bid will be corrected by the

Employer in accordance with the Corrected Schedule of Prices. If the bidder does not accept the corrected amount of Bid, his Bid will be rejected and his Bid Security forfeited.

16.5 A Bid determined as substantially non-responsive will be rejected and will not subsequently be made responsive by the bidder by correction of the non-conformity.

16.6 Any minor informality or non-conformity or irregularity in a Bid which does not constitute a material deviation may be waived by Employer, provided such waiver does not prejudice or affect the relative ranking of any other bidders.

16.7 The Engineer/Employer will evaluate and compare only the bids previously determined to be substantially responsive pursuant to Sub-Clauses IB.16.4 to 16.6 as per requirements given hereunder. Bids will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Bid Price pursuant to Sub-Clause 16.8 and mandatory requirements herein below.

- i) Duly registered by the Registration with Pakistan Engineering Council (PEC) in the relevant category C-6 and code ME-06 & CE-09 valid up to 30th June, 2025.
- ii) Relevant experience in this field cleaning of reservoirs and over head tanks of water works in Government/semi Government department and private sector for last three years.
- iii) NTN , GST & SRB Registration certificates of the firm.
- iv) The bidders will have to submit their bids through e-PADS.

16.8 Evaluated Bid Price

In evaluating the bids, the Engineer/Employer will determine for each bid in addition to the Bid Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Bid Price:

- (i) making any correction for arithmetic errors pursuant to Sub-Clause 16.4 hereof.
- (ii) making an appropriate price adjustment for any other acceptable variation or deviation.
- (iii) making an appropriate price adjustment for Deviations in terms of Payments (if any and acceptable to the Employer).
- (iv) discount, if any, offered by the bidders as also read out and recorded at the time of bid opening.

16.9 Evaluation Methods

Pursuant to Sub-Clause 16.8, Para (ii), and (iii) following evaluation methods for price adjustments will be followed:

(i) Price Adjustment for Technical Compliance

The cost of making good any deficiency resulting from technical non compliance will be added to the Corrected Total Bid Price for comparison purposes only. The adjustments will be applied taking the highest price quoted by other bidders being evaluated in detail in their original Bids for corresponding item. In case of non availability of price from other bidders, the price will be estimated by the Engineer/Employer.

(ii) Price Adjustment for Commercial Compliance

The cost of making good any deficiency resulting from any quantifiable variations and deviations from the Bid Schedules and Conditions of Contract, as determined by the Engineer/Employer will be added to the Corrected Total Bid Price for comparison purpose only. Adjustment for commercial compliance will be added to the Corrected Total Bid Prices.

(iii) Price Adjustment for Deviation in Terms of Payments

IB.17 Process to be Confidential

- 17.1 Subject to Sub-Clause IB.16.3 heretofore, no bidder shall contact Engineer/Employer on any matter relating to its Bid from the time of the Bid opening to the time the bid evaluation result is announced by the Employer. The evaluation result shall be announced at least ten (10) days prior to award of Contract. The announcement to all bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated.
- 17.2 Any effort by a bidder to influence Engineer/Employer in the Bid evaluation, Bid comparison or Contract Award decisions may result in the rejection of his Bid. Whereas, any bidder feeling aggrieved may lodge a written complaint not later than fifteen (15) days after the announcement of the bid evaluation result, however, mere fact of lodging a complaint shall not warrant suspension of procurement process.

F. AWARD OF CONTRACT

IB.18. Post Qualification

- 18.1 The Employer, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

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

- 18.2 The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidders' qualifications submitted under Clause IB.11, as well as such other information required in the Bidding Documents.

IB.19 Award Criteria & Employer's Right

- 19.1 Subject to Sub-Clause IB.19.2, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be qualified to satisfactory perform the Contract in accordance with the provisions of Clause IB.18.
- 19.2 Not with standing Sub-Clause IB.19.1, 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 award of Contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for the Employer's action except that the grounds for its rejection of all bids shall upon request be communicated, to any bidder who submitted a bid, without justification of the grounds. Notice of the rejection of all the bids shall be given promptly to all the bidders.

IB.20 Notification of Award & Signing of Contract Agreement

- 20.1 Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his bid has been accepted.
- 20.2 Within seven(7) days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Employer will send the successful bidder the Form of Contract Agreement provided in the Bidding Documents, incorporating all agreements between the parties.
- 20.3 The formal Agreement between the Employer and the successful bidder shall be executed within seven(7) days of the receipt of Form of Contract Agreement by the successful bidder from the Employer.

IB.21 Performance Security

- 21.1 The successful bidder shall furnish to the Employer a Performance Security in the form of pay order or Bank Gurantee of “AA” rating schedule Bank of Pakistan situated at Karachi and the amount stipulated in the Conditions of Contract within a period of fourteen (14) days after the receipt of Letter of Acceptance. The performance security shall be valid up to completion of maintenance / defect liability period of the contract.
- 21.2 Failure of the successful bidder to comply with the requirements of Sub-Clauses IB.20.2 & 20.3 or 21.1 or Clause IB.22 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.30 Notification of Award

- 30.1 If the Bid Price of the successful Bidder is more than 15% below the lower of the Employer’s estimate of the cost of work to be performed under the contract or average of other lowest two evaluated substantially responsive Bids, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require an additional Performance Security by 10% of the difference of the Bid price as determined here in above upto issuance of Taking Over Certificate at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. The Bids having Bid Price lower than 25% shall be liable to be rejected.

BIDDING DATA

BIDDING DATA

Instruction to Bidders

Clause Reference

1.1	<u>Name of Employer:</u> Port Qasim Authority and represented by Director General (Technical) <u>Brief Description of Works:</u> “Cleaning of Underground Reservoirs Over head tanks at PQA Water Works and Pump Houses”.
5.1	(a) <u>Employer’s address:</u> Director General (Technical), Head Office Building, Port Qasim Authority, Bin Qasim Karachi-75020 Fax. No. 021-34730107 (b) <u>Engineer’s address:</u> Director (M&E), Port Qasim Authority, Tel.No.99272182 Fax: No. 021-34730107
10.3	Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.
11.2	The bidder/manufacture has the financial, technical and production capability necessary to perform the Contract as follows: <ol style="list-style-type: none"> i. Bank certificate statement for the last (02) two year ii. CV’s of key personal signed by individual,
12.1	(a) A detailed description of the Works, essential technical and performance characteristics. (b) Complete set of technical information, description data as required in accordance with Schedule B to Bid, Specific Works Data. Such other information as is necessary to illustrate clearly the significant characteristics such as general dimensions and other relevant information about the works to be performed.
13.1	Amount of Bid Security An fixed amount of bid security Rs.125,000/= as Bid amount in shape of Pay order issued from “AA” rating Bank of Pakistan situated at Karachi in favour of Port Qasim Authority, to be submitted along with bid.
14.1	Period of Bid Validity 180 days
14.4	Number of Copies of the Bid to be Submitted One original plus one copy
14.6	Employer's Address for the Purpose of Bid Submission Office of the Director (M&E), Port Qasim Authority, Karachi.
15.1	Deadline for Submission of Bids As notified in NIT.

16.1	Venue, Time, and Date of Bid Opening As notified in NIT.
16.4	Responsiveness of Bids <ul style="list-style-type: none"> (i) the Bid is valid till required period, (ii) the Bid prices are firm during currency of contract (if it is a fixed price bid) (iii) completion period offered is within specified limits, (iv) the Bidder/Manufacturer is eligible to Bid and possesses the requisite experience, capability and qualification as per evaluation criteria given with this documents. (v) the Bid does not deviate from basic technical requirements and (vi) the Bids are generally in order, etc.

FORM OF BID
(To be filled-in by bidder)
(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To:

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named Works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such Works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the Performance Security referred to in Conditions of Contract for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)

(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address: _____

[SCHEDULES TO BID INCLUDE THE FOLLOWING:

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data
- Schedule C to Bid: Works to be Performed by Subcontractors
- Schedule D to Bid: Proposed Programme of Works
- Schedule E to Bid: Method of Performing Works

SCHEDULE – A TO BID
SCHEDULE OF PRICES

<u>Sr. No.</u>		<u>Page No.</u>
1.	Preamble to Schedule of Prices	24
2.	Schedule of Prices	26
	(a) Summary of Bid Prices	27
	(b) Detailed Schedule of Prices	

PREAMBLE TO SCHEDULE OF PRICES

1. General

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the Works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. Description

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. Units & Abbreviations

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the System International d'Unites (SI Units).

(Note: The abbreviations to be used in the Schedule of Prices to be defined by the Employer).

4. Rates and Prices

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.
- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices, and where no items are provided, the cost shall be deemed to be distributed

among the rates and prices entered for the related items of the Works and no separate payment will be made for those items.

The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item 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 and prices for other items in the Schedule of Prices.

- 4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.

*(b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.

*(Employer may modify as appropriate)

- 4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

5.1 Break-up of Bid Prices

The various elements of Bid Prices shall be quoted as detailed by the Employer in the format of Schedule of Prices.

The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.

5.2 Total Bid Price

The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.

6. Provisional Sums

- 6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Employer. The Contractor will only receive payment in respect of Provisional Sums if he has been instructed by the Engineer/Employer to utilize such sums.

SCHEDULE OF PRICES – SUMMARY OF BID PRICES

Bill No.	Description	Total Amount (Rs)
1.		
	Total Bid Price (The amount to be entered in Paragraph 1 of the Form of Bid) (In words).	

SCHEDULE OF PRICES

Item No.	Description	Quantity	Unit Rate(Rs)	Total Amount (Rs)
1.				
Total (to be carried to Summary of Bid Price)				

SCHEDULE - B TO BID

SPECIFIC WORKS DATA

Cleaning of Underground Reservoirs Over head tanks at Water Works, Pump Houses NWIZ, Housing Complex, IOCB, Fire Pump House & Berth No.01 to 02 at Marginal Wharf.

*(Note: The Employer shall spell out the information & data required to be filled out by the bidder and to furnish complementary information).

SCHEDULE – C TO BID

WORKS TO BE PERFORMED BY SUBCONTRACTORS

The bidder will do the work with his own forces except the work listed below which he intends to sub-contract.

Items of Works to be Sub-Contracted	Name and address of Sub-Contractors	Statement of similar works previously executed (attach evidence)
--	--	---

Note:

1. No change of Sub-Contractors shall be made by the bidder without prior approval of the Employer.
2. The truthfulness and accuracy of the statement as to the experience of Sub-Contractors is guaranteed by the bidder. The Employer's judgment shall be final as to the evaluation of the experience of Sub-Contractors submitted by the bidder.
3. Statement of similar works shall include description, location & value of works, year completed and name & address of the clients.

SCHEDULE – D TO BID

PROPOSED PROGRAMME OF WORKS

Bidder shall provide a program in a bar-chart showing the sequence of work items by which he proposes to complete the Works of the entire Contract. The program should indicate the sequence of work items and the period of time during which he proposes to complete the Works including the activities like designing ordering and procurement of materials, manufacturing, delivering, testing and commissioning of Works to be supplied under the Contract.

SCHEDULE – E TO BID

METHOD OF PERFORMING WORKS

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

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- A list of all major items of constructional and erectional plant, tools and vehicles proposed to be used in delivering/carrying out the Works at Site
- The procedure for installation of equipment and transportation of equipment and materials to the site.
- Organization chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

CONDITIONS OF CONTRACT

TABLE OF CONTENTS

CONDITIONS OF CONTRACT

<i>Clause No.</i>	<i>Description</i>	<i>Page No.</i>
1.	General Provisions	33-36
2.	The Employer	36
3.	Engineer's/Employer's Representatives	36-37
4.	The Contractor	37
5.	Design by Contractor	37-38
6.	Employer's Risks	38-39
7.	Time for Completion	39
8.	Taking Over	39-40
9.	Remedying Defects	40
10.	Variations And Claims	40-41
11.	Contract Price And Payment	41-43
12.	Default	43-44
13.	Risks And Responsibilities	44-45
14.	Insurance	45
15.	Resolution of Disputes	45

CONDITIONS OF CONTRACT

1. GENERAL PROVISIONS

1.1 Definitions

In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:

The Contract

- 1.1.1 “Contract” means the Contract Agreement and the other documents listed in the Contract Data.
- 1.1.2 “Specifications” means the document as listed in the Contract Data, including Employer’s requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such document.
- 1.1.3 “Drawings” means the Employer’s drawings of the Works as listed in the Contract Data, and any Variation to such drawings.

Persons

- 1.1.4 “Employer” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.
- 1.1.5 “Contractor” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Employer) any assignee.
- 1.1.6 “Party” means either the Employer or the Contractor.

Dates, Times and Periods

- 1.1.7 “Commencement Date” means the date fourteen(14) days after the date the Contract comes into effect or any other date named in the Contract Data.
- 1.1.8 “Day” means a calendar day
- 1.1.9 “Time for Completion” means the time for completing the Works as stated in the Contract Data (or as extended under Sub-Clause 7.3), calculated from the Commencement Date.

Money and Payments

- 1.1.10 “Cost” means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges but does not include any allowance for profit.

Other Definitions

- 1.1.11 “Contractor’s Equipment” means all machinery, apparatus and other things required for the execution of the Works but does not include Materials or Plant intended to form part of the Works.
- 1.1.12 “Country” means the Islamic Republic of Pakistan.
- 1.1.13 “Employer’s Risks” means those matters listed in Sub-Clause 6.1.
- 1.1.14 “Force Majeure” means an event or circumstance which makes performance of a Party’s obligations illegal or impracticable and which is beyond that Party’s reasonable control.
- 1.1.15 “Materials” means things of all kinds (other than Plant) to be supplied and incorporated in the Works by the Contractor.
- 1.1.16 “Plant” means the machinery and apparatus intended to form or forming part of the Works.
- 1.1.17 “Site” means the places provided by the Employer where the Works are to be executed, and any other places specified in the Contract as forming part of the Site.
- 1.1.18 “Variation” means a change which is instructed by the Engineer/Employer under Sub-Clause 10.1.
- 1.1.19 “Works” means any or all the works whether Supply, Installation, Construction etc. and design (if any) to be performed by the Contractor including temporary works and any variation thereof.
- 1.1.20 “Engineer” means the person notified by the Employer to act as Engineer for the purpose of the Contract and named as such in Contract Data.

1.2 Interpretation

Words importing persons or parties shall include firms and organizations. Words importing singular or one gender shall include plural or the other gender where the context requires.

1.3 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the priority of the documents shall be in accordance with the order as listed in the Contract Data.

1.4 **Law**

The law of the Contract is the relevant Law of Islamic Republic of Pakistan.

1.5 **Communications**

All Communications related to the Contract shall be in English language.

1.6 **Statutory Obligations**

The Contractor shall comply with the Laws of Islamic Republic of Pakistan and shall give all notices and pay all fees and other charges in respect of the Works.

2. **THE EMPLOYER**

2.1 **Provision of Site**

The Employer shall provide the Site and right of access thereto at the times stated in the Contract Data.

2.2 **Permits etc.**

The Employer shall, if requested by the Contractor, assist him in applying for permits, licenses or approvals which are required for the Works.

2.3 **Engineer's/Employer's Instructions**

The Contractor shall comply with all instructions given by the Employer or the Engineer, if notified by the Employer, in respect of the Works including the suspension of all or part of the Works.

2.4 **Approvals**

No approval or consent or absence of comment by the Engineer/Employer shall affect the Contractor's obligations.

3. **ENGINEER'S/EMPLOYER'S REPRESENTATIVES**

3.1 **Authorised Person**

The Employer shall appoint a duly authorized person to act for him and on his behalf for the purposes of this Contract. Such authorized person shall be duly identified in the Contract Data or otherwise notified in writing to the Contractor as soon as he is so appointed. In either case the Employer shall notify the Contractor, in writing, the

precise scope of the authority of such authorized person at the time of his appointment.

3.2 Engineer's/Employer's Representative

The name and address of Engineer's/Employer's Representative is given in Contract Data. However the Contractor shall be notified by the Engineer/Employer, the delegated duties and authority before the Commencement of Works.

4. THE CONTRACTOR

4.1 General Obligations

The Contractor shall carry out the Works properly and in accordance with the Contract. The Contractor shall provide all supervision, labour, Materials, Plant and Contractor's Equipment which may be required.

4.2 Contractor's Representative

The Contractor shall appoint a representative at site on full time basis to supervise the execution of work and to receive instructions on behalf of the Contractor but only after obtaining the consent of the Employer for such appointment which consent shall not be unreasonable withheld by the Employer. Such authorized representative may be substituted /replaced by the Contractor at any time during the Contract Period but only after obtaining the consent of the Employer as aforesaid.

4.3 Subcontracting

The Contractor shall not subcontract the whole of the Works. The Contractor shall not subcontract any part of the Works without the consent of the Employer.

4.4 Performance Security

The Contractor shall furnish to the Employer within fourteen(14) days after receipt of Letter of Acceptance a Performance Security at the option of the bidder, in the form of Bank Draft (Pay order) or Bank Guarantee having at least AA rating from PACRA/JCR situated in Karachi for the amount and validity specified in Contract Data.

5. DESIGN BY CONTRACTOR

5.1 Contractor's Design

The Contractor shall carry out design to the extent specified, as referred to in the Contract Data. The Contractor shall promptly submit to the Engineer/Employer all

designs prepared by him. Within fourteen(14) days of receipt the Engineer/Employer shall notify any comments or, if the design submitted is not in accordance with the Contract, shall reject it stating the reasons. The Contractor shall not construct any element of the Works designed by him within fourteen(14) days after the design has been submitted to the Engineer/Employer or which has been rejected. Design that has

been rejected shall be promptly amended and resubmitted. The Contractor shall resubmit all designs commented on taking these comments into account as necessary.

5.2 Responsibility for Design

The Contractor shall remain responsible for his bided design and the design under this Clause, both of which shall be fit for the intended purposes defined in the Contract and he shall also remain responsible for any infringement of any patent or copyright in respect of the same. The Engineer/Employer shall be responsible for the Specifications and Drawings.

6. EMPLOYER'S RISKS

6.1 The Employer's Risks

The Employer's Risks are:-

- a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies, within the Country;
- b) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war, within the Country;
- c) riot, commotion or disorder by persons other than the Contractor's personnel and other employees including the personnel and employees of Sub-Contractors, affecting the Site and/or the Works;
- d) ionizing radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component of such an assembly, except to the extent to which the Contractor/Sub-Contractors may be responsible for the use of any radio-active material;
- e) Pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds;
- f) use or occupation by the Employer of any part of the Works, except as may be specified in the Contract;

- g) late handing over of sites, anomalies in drawings, late delivery of designs and drawings of any part of the Works by the Employer's personnel or by others for whom the Employer is responsible;
- h) a suspension under Sub-Clause 2.3 unless it is attributable to the Contractor's failure; and
- i) physical obstructions or physical conditions other than climatic conditions, encountered on the Site during the performance of the Works, for which the Contractor immediately notified to the Employer and accepted by the Employer.

7. TIME FOR COMPLETION

7.1 Execution of the Works

The Contractor shall commence the Works on the Commencement Date and shall proceed expeditiously and without delay and shall complete the Works.

7.2 Programme

Within the time stated in the Contract Data, the Contractor shall submit to the Engineer/Employer a programme for the Works in the form stated in the Contract Data.

7.3 Extension of Time

The Contractor shall, within such time as may be reasonable under the circumstances, notify the Employer/Engineer of any event(s) falling within the scope of Sub-Clause 6.1 or 10.3 of these Conditions of Contract and request the Employer/Engineer for a reasonable extension in the time for the completion of Works. Subject to the aforesaid, the Employer/Engineer shall determine such reasonable extension in the time for the completion of Works as may be justified in the light of the details/particulars supplied by the Contractor in connection with the such determination by the Employer/Engineer within such period as may be prescribed by the Employer/Engineer for the same; and the Employer shall extend the Time for Completion as determined.

7.4 Extension of Contract

The validity of contract may be extended for further period of 03 months on same terms and conditions at the option of PQA and / or with such modification as may be mutually agreed.

7.5 Late Completion

If the Contractor fails to complete the Works within the Time for Completion, the

Contractor's only liability to the Employer for such failure shall be to pay the amount stated in the Contract Data for each day for which he fails to complete the Works.

8. TAKING-OVER

8.1 Completion

The Contractor may notify the Engineer/Employer when he considers that the Works are complete.

8.2 Taking-Over Notice

Within fourteen (14) days of the receipt of the said notice of completion from the Contractor the Employer/Engineer shall either takeover the completed Works and issue a Certificate of Completion to that effect or shall notify the Contractor his reasons for not taking-over the Works. While issuing the Certificate of Completion as aforesaid, the Employer/Engineer may identify any outstanding items of work which the Contractor shall undertake during the contract Period.

9. REMEDYING DEFECTS

9.1 Remediying Defects

The Contractor shall for a period stated in the Contract Data from the date of issue of the Certificate of Completion carry out, at no cost to the Employer, repair and rectification work which is necessitated by the earlier execution of poor quality of work or use of below specifications material in the execution of Works and which is so identified by the Employer/Engineer in writing within the said period. Upon expiry of the said period, and subject to the Contractor's faithfully performing his aforesaid obligations, the Employer/Engineer shall issue a completion Certificate whereupon all obligations of the Contractor under this Contract shall come to an end.

Failure to remedy any such defects or complete outstanding work within a reasonable time shall entitle the Employer to carry out all necessary works at the Contractor's cost. However, the cost of remedying defects not attributable to the Contractor shall be valued as a Variation.

9.2 Uncovering and Testing

The Engineer/Employer may give instruction as to the uncovering and/or testing of any work. Unless as a result of an uncovering and/or testing it is established that the Contractor's design, Materials, Plant or workmanship are not in accordance with the Contract, the Contractor shall be paid for such uncovering and/or testing as a Variation in accordance with Sub-Clause 10.2.

10. VARIATIONS AND CLAIMS

10.1 Right to Vary

The Employer/Engineer may issue Variation Order(s) in writing. Where for any reason it has not been possible for the Employer/Engineer to issue such Variations Order(s), the Contractor may confirm any verbal orders given by the Employer/Engineer in writing and if the same are not refuted/denied by the Employer/Engineer within seven (7) days of the receipt of such confirmation the same shall be deemed to be a Variation Orders for the purposes of this Sub-Clause.

10.2 Valuation of Variations

Variations shall be valued as follows:

- a) at a lump sum price agreed between the Parties, or
- b) where appropriate, at rates in the Contract, or
- c) in the absence of appropriate rates, the rates in the Contract shall be used as the basis for valuation, or failing which
- d) at appropriate new rates, as may be agreed or which the Engineer/Employer considers appropriate, or
- e) if the Engineer/Employer so instructs, at day work rates set out in the Contract Data for which the Contractor shall keep records of hours of labour and Contractor's Equipment, and of Materials, used.

10.3 Early Warning

The Contractor shall notify the Engineer/Employer in writing as soon as he is aware of any circumstance which may delay or disrupt the Works, or which may give rise to a claim for additional payment.

To the extent of the Contractor's failure to notify, which results to the Engineer/Employer being unable to keep all relevant records or not taking steps to minimize any delay, disruption, or Cost, or the value of any Variation, the Contractor's entitlement to extension of the Time for Completion or additional payment shall be reduced/rejected.

10.4. Valuation of Claims

If the Contractor incurs Cost as a result of any of the Employer's Risks, the Contractor shall be entitled to the amount of such Cost. If as a result of any Employer's Risk, it is necessary to change the Works, this shall be dealt with as a Variation subject to Contractor's notification for intention of claim to the Engineer/Employer within fourteen(14) days of the occurrence of cause.

10.5 Variation and Claim Procedure

The Contractor shall submit to the Engineer/Employer an itemized make-up of the value of variations and claims within twenty eight(28) days of the instruction or of the event giving rise to the claim. The Engineer/Employer shall check and if possible agree the value. In the absence of agreement, the Employer shall determine the value.

11. CONTRACT PRICE AND PAYMENT

11.1 (a) Terms of Payments

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall , subject to Clause 9, be paid by the Employer to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Employer and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 11.5, within 60 days after such Final Payment Certificate has been jointly verified by Employer and Contractor.

(b) Valuation of the Works

The Works shall be valued as provided for in the Contract Data, subject to Clause 10.

11.2 Monthly Statements

The Contractor shall be entitled to be paid at monthly intervals:

- a) the value of the Works executed; and
- b) The percentage of the value of Materials and Plant reasonably delivered to the Site, as stated in the Contract Data, subject to any additions or deductions which may be due.

The Contractor shall submit each month to the Engineer/Employer a statement showing the amounts to which he considers himself entitled.

11.3 Interim Payments

Within a period not exceeding seven (7) days from the date of submission of a statement for interim payment by the Contractor, the Engineer shall verify the same and within a period not exceeding thirty (30) days from the said date of submission by the Contractor, the Employer shall pay to the Contractor the sum verified by the Engineer less retention money at the rate stated in the Contract Data.

11.4 Retention

Retention money shall be paid by the Employer to the Contractor within fourteen(14) days after either the expiry of the period stated in the Contract Data, or the remedying of notified defects, or the completion of outstanding work, all as referred to in Sub-Clause 9.1, which ever is the later.

11.5 Final Payment

Within twenty one (21) days from the date of issuance of the Maintenance Certificate the Contractor shall submit a final account to the Engineer to verify and the Engineer shall verify the same within fourteen (14) days from the date of submission and forward the same to the Employer together with any documentation reasonably required to enable the Employer to ascertain the final contract value.

Within sixty (60) days from the date of receipt of the verified final account from the Engineer, the Employer shall pay to the Contractor any amount due to the Contractor. While making such payment the Employer may, for reasons to be given to the Contractor in writing, withhold any part or parts of the verified amount.

11.6 Currency

Payment shall be in the currency stated in the Contract Data.

12. DEFAULT

12.1 Default by Contractor

If the Contractor abandons the Works, refuses or fails to comply with a valid instruction of the Engineer/Employer or fails to proceed expeditiously and without delay, or is, despite a written complaint, in breach of the Contract, the Employer may give notice referring to this Sub-Clause and stating the default.

If the Contractor has not taken all practicable steps to remedy the default within fourteen(14) days after receipt of the Employer's notice, the Employer may by a second notice given within a further twenty one(21) days, terminate the Contract.

12.2 The Contractor shall then demobilize from the Site leaving behind any Contractor's Equipment which the Employer instructs, in the second notice, to be used for the completion of the Works at the risk and cost of the Contractor.

12.3 **Payment upon Termination**

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) any sums to which the Employer is entitled,
- c) if the Employer has terminated under Sub-Clause 12.1 or 12.3, the Employer shall be entitled to a sum equivalent to twenty percent(20%) of the value of parts of the Works not executed at the date of the termination, and
- d) if the Contractor has terminated under Sub-Clause 12.2 or 12.3, the Contractor shall be entitled to the cost of his demobilization together with a sum equivalent to ten percent(10%) of the value of parts of the Works not executed at the date of termination.

The net balance due shall be paid or repaid within twenty eight(28) days of the notice of termination.

13. RISKS AND RESPONSIBILITIES

13.1 Contractor's Care of the Works

Subject to Sub-Clause 9.1, the Contractor shall take full responsibility for the care of the Works from the Commencement Date until the date of the Employer's/Engineer's issuance of Certificate of Completion under Sub-Clause 8.2. Responsibility shall then pass to the Employer. If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform with the Contract.

Unless the loss or damage happens as a result of any of the Employer's Risks, the Contractor shall indemnify the Employer, or his agents against all claims loss, damage and expense arising out of the Works.

13.2 Force Majeure

If Force Majeure occurs, the Contractor shall notify the Engineer/Employer immediately. If necessary, the Contractor may suspend the execution of the Works and, to the extent agreed with the Employer demobilize the Contractor's Equipment.

If the event continues for a period of eighty four (84) days, either Party may then give notice of termination which shall take effect twenty eight (28) days after the giving of the notice.

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) the cost of his demobilization, and
- c) less any sums to which the Employer is entitled.

The net balance due shall be paid or repaid within thirty five (35) days of the notice of termination.

14. INSURANCE

14.1 Arrangements

The Contractor shall, prior to commencing the Works, effect insurances of the types, in the amounts and naming as insured the persons stipulated in the Contract Data except for items (a) to (e) and (i) of the Employer's Risks & work mans compensation under Sub-Clause 6.1. The policies shall be issued by insurers and in terms approved by the Employer. The Contractor shall provide the Engineer/Employer with evidence that any required policy is in force and that the premiums have been paid.

14.2 **Default**

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous Sub-Clause, or fails to provide satisfactory evidence, policies or receipts, the Employer may, without prejudice to any other right or remedy, effect insurance for the cover relevant to such as a default and pay the premiums due and recover the same plus a sum in percentage given in Contractor Data from any other amounts due to the Contractor.

15. **RESOLUTION OF DISPUTES**

15.1 **Engineer's Decision**

If a dispute of any kind whatsoever arises between the Employer and the Contractor in connection with the Works, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. No later than the twenty eight (28) days after the day on which he received such reference, the Engineer shall give notice of his decision to the Employer and the Contractor.

Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the Work with all due diligence, and the Contractor and the Employer shall give effect forthwith to every such decision of the Engineer unless and until the same shall be revised, as hereinafter provided in an arbitral award.

15.2 **Notice of Dissatisfaction**

If a Party is dissatisfied with the decision of the Engineer or if no decision is given within the time set out in Sub-Clause 15.1 here above, the Party may give notice of dissatisfaction referring to this Sub-Clause within fourteen(14) days of receipt of the decision or the expiry of the time for the decision. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Parties. If notice of dissatisfaction is given within the specified time, the decision shall be binding on the Parties who shall give effect to it without delay unless and until the decision of the Engineer is revised by an arbitrator.

15.3 **Arbitration**

A dispute which has been the subject of a notice of dissatisfaction shall be finally settled as per provisions of Arbitration Act 1940 (Act No. X of 1940) and Rules made there under and any statutory modifications thereto. Any hearing shall be held at the place specified in the Contract Data and in the language referred to in Sub-Clause 1.5

CONTRACT DATA

CONTRACT DATA

Sub-Clauses of Conditions of Contract

1.1.3	Employer's Drawings, if any (To be listed by the Employer)
1.1.4	The Employer means Port Qasim Authority and represented by Director General (Technical), Karachi.
1.1.5	The Contractor means _____
1.1.7	Commencement Date means the date of issue of Engineer's Notice to Commence the work, which shall be issued within fourteen (14) days of the signing of the Contract Agreement.
1.1.9	Time for Completion: three (03) months from the date of commencement.
1.1.20	Engineer/E.R Director (M&E), Port Qasim, Karachi & Manager (Mech) as E.Representative
1.3	Documents forming the Contract listed in the order of priority: The Contract Agreement Letter of Acceptance The completed Form of Bid Contract Data Conditions of Contract The completed Schedules to Bid including Schedule of Prices/BOQ. The specifications Special stipulation The Drawings, if any
2.1	Provision of Site: On the commencement date
3.1	Authorised person: To be notified
3.2	Name and address of Engineer's/Employer's representative To be notified
4.4	Performance Security: 10% of the Bid Amount / Contract Cost. The Performance Security shall be valid up to completion of contract period. (Form: As provided under Standard Forms of these Documents)
5.1	Requirements for Contractor's design (if any): Specification Clause No's _____
7.2	Programme: Time for submission: Within fourteen (14) days of the Commencement Date. Form of programme: Bar Chart (Bar Chart /CPM/PERT or other)
7.4	Liquidated Damages Amount payable due to failure to complete the work shall be 0.1 % per day up to a maximum of (10%) of contract sum stated in the Letter of Intent /Acceptance
9.1	Period for remedying defects/ Defects liability period: After Completion of whole work. The performance Bond furnished shall be released on the request of contractor after issuance of completion certificate

10.2	(e) Variation procedure: Day work rates _____ (details)
11.1(a) (i)	<p><u>Terms of payments:</u></p> <p>Payment of Contract Price shall be made in the following manners: The Engineer after examining each work statement certify the amount of payment of the contractor which he shall consider reasonable and proper in respect thereof subject to retention of percentage of Retention money and deduction of any such sum which may have become due to payable by the contractor to the Authority.</p> <p>For all payments made to the Contractor, a deduction of five percent shall be made from each bill as Retention Money. The Retention Money deducted from payment bill shall be refunded to the Contactor after issuance of work completion certificate. The amount due to the Contractor under any certificate duly certificate for payment by the Engineer pursuant to this clause or to any terms of the Contract, shall be paid by the Authority to the Contractor after such certification.</p> <p>The amount due to the Contractor under any certificate for payment by the Engineer pursuant to this clause or to any terms of the Contract, shall be paid by the Authority to the Contractor after such certification.</p> <p>All contents in them payment certificate issued by the Engineer and also by the payments that have been made shall be considered partial and provisional and nor final and on account, of any mistake in measurement or computation in the payment certificate shall be corrected and payment be adjusted accordingly.</p> <p><u>ii). Final Payment</u></p> <p>Not later than one month after the completion of the Contract period, the Contractor shall submit to the Engineer a statement of final account with supporting documents showing the value of the work done in accordance with the Contract together with all further sums which the Contractor to be due to him under the Contract within one month after the receipt of his final account and of all information reasonably required for its verification. The Engineer shall issue a final certificate stating:</p> <p>a) The amount which in his opinion is finally due under the Contract and after giving credit to the Authority for all amounts previously paid by the Authority and for all sums to which the Authority is entitled under the Contract.</p> <p>b) The balance, if any, due from the Authority to the Contractor or from Contractor to the Authority as the case may be such balance shall be paid to or by the Contractor as the case may require within forty five days of the Engineer's certificate.</p>

	C) The final statement shall be submitted with the endorsement that the Contractor has no other claim except those in the final statement. The final statement shall not be entertained without endorsement.
11.1	(b) Valuation of the Works*: Lump sum price_____ (details), or Lump sum price with schedules of rates _____ (details), or Lump sum price with bill of quantities_____ (details), or i) Re-measurement with estimated/bid quantities in the Schedule of Prices_____ (details), or/and ii) Cost reimbursable_____ (details)
11.2	(b) Percentage of value of Materials and Plant: Materials eighty (80%)* Plant twenty (20%)*
11.3	Percentage of retention: five percent (5%)
11.6	Currency of payment: Pak. Rupees
14.1	Insurances: Type of cover: Contractor's All Risk Policy Amount of cover: The sum stated in the Letter of Acceptance plus fifteen percent (15%) Type of cover Contractor's Equipment: Amount of cover Full replacement cost Type of cover Third Party-injury to persons and damage to property. (The minimum limit amount of third party insurance should be Rs.100,000 to 200,000/- each occurrence). Workers: _____ Other covers _____ (In each case name of insured is Contractor and Employer) Type of cover: Workmen's compensation policy
14.2	Amount to be recovered Premium plus _____ percent (____%).
15.3	Arbitration Place of Arbitration: Karachi

STANDARD FORMS

FORM OF BID SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____

(Letter by the Guarantor to the Employer)

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

Name of Principal (Bidder) with
address: _____

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

Bid Reference No. _____ Date of Bid _____

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

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid numbered and dated as above for _____ (Particulars of Bid) to the said Employer;
and

WHEREAS, the Employer has required as a condition for considering the said Bid that the Principal furnishes a Bid Security in the above said sum to the Employer, conditioned as under:

- (1) that the Bid Security shall remain valid for a period of twenty eight (28) days beyond the period of validity of the bid;
- (2) that in the event of;
 - (a) the Principal withdraws his Bid during the period of validity of Bid, or
 - (b) the Principal does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) of Instructions to Bidders, or
 - (c) failure of the successful bidder to
 - (i) furnish the required Performance Security, in accordance with Sub-Clause IB-21.1 of Instructions to Bidders, or
 - (ii) sign the proposed Contract Agreement, in accordance with Sub-Clauses IB-20.2 & 20.3 of Instructions to Bidders,

the entire sum be paid immediately to the said Employer for delayed completion and not as penalty for the successful bidder's failure to perform.

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

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

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

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

Guarantor (Bank)

Witness:

1. Signature _____

1. _____

2. Name _____

Corporate Secretary (Seal)

3. Title _____

2. _____

(Name, Title & Address)

Corporate Guarantor (Seal)

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____

(Letter by the Guarantor to the Employer)

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

Name of Principal (Contractor) with
address: _____

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

Letter of Acceptance No. _____ Dated _____

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

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

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 9, Remedying Defects, of Conditions of Contract are fulfilled.

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

We, _____ (the Guarantor), waiving all objections and defences under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract, for which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

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

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

Witness:

1. _____

Corporate Secretary (Seal)

2. _____

(Name, Title & Address)

Guarantor (Bank)

1. Signature _____

2. Name _____

3. Title _____

Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

THIS CONTRACT (hereinafter called the “Agreement”) made on the ____ day of _____ 2023 between _____ (hereinafter called the “Employer”) of the one part and _____ (hereinafter called the “Contractor”) of the other part.

WHEREAS the Employer is desirous that certain Works, viz Cleaning of reservoirs & over head tanks & R/M of Mechanical Equipments installation should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, if any except those parts relating to Instructions to Bidders, shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Letter of Acceptance;
 - (b) The completed Form of Bid alongwith Schedules to Bid;
 - (c) Conditions of Contract & Contract Data;
 - (d) The priced Schedule of Prices;
 - (e) The Specifications;and scope of work
 - (f) The Drawings (if any)
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

Signature of the Contactor

(Seal)

Signature of the Employer

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)

FORM OF BANK GUARANTEE FOR ADVANCE PAYMENT

Guarantee No. _____

Executed on _____

(Letter by the Guarantor to the Employer)

WHEREAS the _____ (hereinafter called the Employer) has entered into a Contract for _____

_____ (Particulars of Contract), with

_____ (hereinafter called the Contractor).

AND WHEREAS the Employer has agreed to advance to the Contractor, at the Contractor's request, an amount of Rs. _____ Rupees _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS the Employer has asked the Contractor to furnish Guarantee to secure the advance payment for the performance of his obligations under the said Contract.

AND WHEREAS _____ (Scheduled Bank) (hereinafter called the Guarantor) at the request of the Contractor and in consideration of the Employer agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW THEREFORE the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails, and commits default in fulfillment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Employer for payment not exceeding the aforementioned amount.

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

This Guarantee shall come into force as soon as the advance payment has been credited to the account of the Contractor.

This Guarantee shall expire not later than _____

by which date we must have received any claims by registered letter, telegram, telex or telefax.

It is understood that you will return this Guarantee to us on expiry or after settlement of the total amount to be claimed hereunder.

	Guarantor (Scheduled Bank)
Witness:	
1. _____	1. Signature _____
	2. Name _____
_____	3. Title _____
Corporate Secretary (Seal)	
2. _____	

_____	Corporate Guarantor (Seal)
(Name, Title & Address)	

Special Stipulation

APPENDIX “A” TO THE FORM OF TENDER
(To be signed by the Tenderer)
Special Stipulation

1.	Earnest Money	Fixed amount of Rs.125,000/=form of Pay Order issued by any scheduled Bank of Pakistan having AA rating situated in Karachi. The earnest money of the un-successful (2nd lowest) tenderer shall be returned after signing of the Agreement with successful tenderer. In any event not later than 90 days following the date of opening of tenders.
2.	Amount of Performance Bond	10% of Contract Price Bank guarantee / Pay order from any Scheduled Bank of Pakistan having AA-rating situated in Karachi. Performance bond shall be released after completion of maintenance period.
3.	Period for Commencement	14 Calendar days from the Employer's order to commence the works. Contract period is 03 months from the date of award of the Contract.
4.	Amount of liquidated Damages for late completion after due date for completion.	Liquidated Damages shall be 0.1 %(1/10 th of 1%) per day of the contract price up to a maximum of 10% of the Contract price.
5.	Time within which payments to be made after receipt of the certificate by the Engineer.	45 calendar days
6.	Percentage of Retention money clause.	5% of all payments made to Contractor retention money shall be released after completion of maintenance period.
7.	List of Approved Insurance Company.	a)- NICL
8.	Minimum amount of third party Insurance Clause	Rs.100,000/= to Rs.200,000/=
9.	Maintenance Period	12 Calendar Months after completion of work

Authorized
Signature of Tenderer

CONDITIONS OF CONTRACT

The Conditions of Contract comprise two parts:

Part-I: General Conditions of Contract

Part-II: Particular Conditions of Contract

Part-I: General Conditions of Contract

The General Conditions of Contract (Part-I) shall be based on the FIDIC “Conditions of the Contract for works of Civil Constructions, Part-I General Conditions” Fourth Edition (1987) Reprinted in 1988, with Editorial Amendments, reprinted in 1992 with Further Amendments. These conditions of Contract are Published by the “Federation of International Des Ingenieurs-Counseils” (FIDIC) Secretariat, P.O Box 86, 1000 Lausanne 12, Switzerland, E-Mail: fidic.pub@fidic.org –FIDIC.Org/Bookshop.

The FIDIC Conditions of Contract have been prepared for an ad measurement (Unit Price or Unite Rate) type of contract.

The prospective Bidders are required to obtain copy of the above mentioned conditions of Contracts directly from Head Office of FIDIC, on the address indicated above against payment of their usual charges. however, a copy of the aforesaid FIDIC conditions of Contract is available in the office of the Engineer, which can be seen on any working day during office hours if so desired for ready reference.

The successful bidder after award of work shall provide two (02) copies of the said FIDIC conditions of contract for work of Civil Construction in original obtained from the publishers for incorporation of the same in the contract agreement of the work.

SCOPE OF WORK.

1. The scope includes “Cleaning of Underground Reservoirs & Overhead Water tanks at PQA Water Works, Pump Houses NWIZ, Housing Complex, IOCB, Fire Pump House and ship connections with back flow preventive at Marginal Wharf.
2. Carrying out cleaning, white washing all walls, floors, roof of reservoirs, overhead tanks and chambers. Painting of motor pumps, pipes valves and other items installed at Water Works pump houses accordingly schedule to be prepared and submitted alongwith offer.
3. Sufficient safety (with all the regulatory safety standards necessary for the work including confined spaces) must be provided by the Contractor for their staff / workers and PQA concerned.
4. Supply of required parts, tools and labour for the above work and breakdown is the responsibility of the Contractor. The rates mentioned in the (BOQ's) shall remain fixed through the currency of contract. Removal & refurbishing of the worn out parts due to normal wear & tear of the pump houses. The power supply connection for the above works will be provided by the Authority.
5. All works shall be completed on urgent basis within stipulated period, failing which liquidity damages will be imposed as per provision of contract.
6. The Contractor shall maintain adequate spare parts / equipment for the above mentioned work.
7. Any damage to PQA equipment and property shall be repaired / replaced by the Contractor on his own expense and without any cost addition.
8. All debris, bushes Jungle cutting by the Contractor shall be shifted away through truck upto 7-8 km PQA designated area on Contactor's own expense.

Bill of Quantity

PORT QASIM AUTHORITY

(MECHANICAL & ELECTRICAL DEPARTMENT)

Bill of Quantities

NAME OF WORK: Cleaning of Under Ground Reservoirs & Over Head Tanks at Water Works & Pump Houses NWIZ, Housing Complex, IOCB, Fire Pump House and Berth No.01 to 02 at Marginal Wharf.

S. No.	Description of Work	Qty	Unit	Rate	Amount
	Cleaning, Painting, Testing & Commissioning of the following Mechanical equipments installation/accessories as per specification complete in all respect and as directed by the engineer.				
01.	<p><u>PQA Water Works</u></p> <p>Cleaning of existing underground Reservoirs tank No. 1 & 2 including bailing out sludge water and removing all kind of derbies of Pumping out the sludge and contaminated water from underground water Reservoirs and scrapping the mud etc. From the floor, walls and thoroughly disposed of all kind of derbies mud etc.</p> <p>In the second option washing the walls and floors thoroughly with chlorinated water and after washing and brushing bailing the same bleaching powder, potassium & leatherier and white washing of side walls and to put sulphur rode there into the entire satisfaction of the Engineer.</p>	3960	Sqm		
02.	<p>Cleaning of the over head water Tank including removing of mud from the floors walls cleaning thoroughly & disposing of mud etc.</p> <p>In the Second option washing the walls & floors thoroughly with chlorinated water. After that cleaning and brushing the walls & floor with the bleaching powder, potassium & leatherier & white washing of side walls as entire satisfaction of the Engineer in charge & complete in all respects.</p>	330	sqm		
03.	<p>Painting of inlet & outlet M.S pipes line with two coats of enamel paint (ICI/Nelson) Burger and one coat red oxide including chipping scrapping and sand papering work complete in all respect for the following.</p> <p>i. 400 mm dia suction steel pipe lines in Pump House</p> <p>ii. 350 mm dia delivery steel pipe lines in Pump House.</p> <p>iii. 250 mm dia steel pipe in chamber between both underground water reservoirs.</p> <p>iv. 150 mm dia suction / delivery steel pipe lines of 40 HP motor.</p> <p>v. 100 mm dia suction GI pipeline of 7.5 HP sump pump</p>	15 30 12 12 05	RM RM RM R.M R.M		

	at Pump House.				
	vi. 80 mm dia GI pipeline supply of fresh water to washroom etc.	07	R.M		
	vii. Gate Valves/Non-return, valves, Pump and Motors.	48	Nos.		
	viii. 80 mm dia delivery GI pipeline of 7.5 HP sump washroom.	07	R.M		
	ix. 50 mm dia GI pipeline in railing of stairs in Pump House.	36	R.M		
	x. 50 mm dia GI pipeline in railing of stairs under the overhead Water Tank.	325	R.M		
	xi. 40 mm dia GI pipeline under overhead Water Tank.	46	R.M		
	xii. 350 mm dia inlet / outlet and overflow MS pipe including safety of staff of overhead work.	120	R.M		
	xiii. 150 mm rods / pipes of air vent at underground water reservoirs.	08	R.M		
	xiv. Main Gate & small Gate both sides.	30	sqm		
	xv. Iron gate of pump house building	20	sqm		
	xvi. Girder & mono block chain pulley.	20	R.M		
	xvii. Supports under the 350 mm dia delivery steel pipe line in Pump House.	25	R.M		
	xviii. Steel Covers chamber and manhole covers on underground water reservoirs.	10	Nos		
	xix. U-channel of stairs (thickness 300mm) of overhead water tank.	240	R.M		
	xx. Stops of stairs both sides under the overhead water tank.	120	Sqm		
	xxi. Iron stair of moveable of Pump House.	10	Sqm		
	xxii. Covers and frames of sky light at underground reservoirs No.01 & 02.	07	Nos		
	xxiii. MS Channel of Turbine Pump size 32X28 feet.	01	Job		
04.	Painting of Store yard MS Shed inside & outside complete in all respect.	500	Sqm		
05.	Cleaning of overhead & reservoirs drains inside and outside of Water Works.	300	RM		
06.	Cleaning of chamber from the wastage water pump house to outside.	01	Job		
07	Painting of both sides of boundary wall, SKY lights, store yard and reservoirs walls with ICI / Nelson Burger Paint whether sheaths whether complete in all respect.	200	sqm		

	<u>B- Pump House at housing Complex</u>				
08.	<p>Cleaning of underground water Reservoirs including bailing of pumping out the existing dirty and contaminated water from underground water Reservoirs Removing the derbies of all kinds from the floor, walls and cleaning thoroughly and disposing of mud etc,</p> <p>In the Second option washing the walls & floors thoroughly with chlorinated water. After that cleaning and brushing the walls & floor with the bleaching powder, potassium & leathrine & white washing of side walls as entire satisfaction of the Engineer in charge & complete in all respects.</p>	2300	sqm		
09	<p>Cleaning of the over head water tank including removing of mud etc. from the floors walls and cleaning thoroughly & disposing of mud etc. as and where directed by the Engineer</p> <p>In the Second option washing the walls & floors thoroughly with chlorinated water. After that cleaning and brushing the walls & floor with the bleaching powder, potassium & leathrine & white washing of side walls as entire satisfaction of the Engineer in charge & complete in all respects.</p>	325	sqm		
10	<p>Cleaning of foot valve chamber including bailing or pumping out the dirty and contaminated water from pit removing the derbies of all kind scrapping the mud etc, from floor, walls and cleaning thoroughly and disposing of mud etc.</p> <p>In the Second option washing the walls & floors thoroughly with chlorinated water. After that cleaning and brushing the walls & floor with the bleaching powder, potassium & leathrine & white washing of side walls as entire satisfaction of the Engineer in charge & complete in all respects.</p>	30	Sqm		
11	<p>Painting of inlet & outlet M.S pipes line with two coats of enamel paint (ICI/Nelson) and one coat red oxide including chipping scrapping and sand papering work complete in all respect for the following.</p> <p>i. 250 mm dia suction pipe line from Pump House to Foot Valve chamber.</p> <p>ii. 150 mm dia delivery, suction & over flow under the overhead tank along with labour safety.</p> <p>iii. 250 mm dia pipe line inlet/outlet in pump house.</p> <p>iv. 250 mm dia suction pipe line from pump house to underside of over head.</p>	24	R.M		
		120	R.M		
		24	R.M		
		30	R.M		

	v. Iron gate of main boundary wall both sides.	35	R.M		
	vi. Iron gate of pump house both sides.	37	R.M		
	vii. Girder of mono block chain pulley.	15	R.M		
	viii. Supports under the 100 mm dia of delivery pipe line in the pump house.	17	R.M		
	ix. Steel Stairs.	14	R.M		
	x. Steel Ventilators of pump house.	12	R.M		
	xi. Steel stairs in reservoirs and foot valve chamber.	15	R.M		
	xii. Air vent pipes on reservoirs.	12	R.M		
	xiii. Pumps, motors, gate valves & non-return.	24	R.M		
	xv. 15 mm dia G.I. pipe of air starting of pump.	05	R.M		
	xvi. 25mmdia G.I pipe of air starting of pumps.	05	R.M		
	xvii. Cleaning of overflow drain water of overhead and reservoirs drain.	120	R.M		
	<u>C- Pump House at NWIZ</u>				
12.	Painting of steel gate, sluice valves, inlet outlet steel pipes, main holes steel covers and motor pumps including scraping, chipping & send papering prime coat of red oxide and two coats of enamel paints (ICI/Nelson) Berger				
	i. Iron gate of Pump House.	12	Sqm		
	ii. Cover and frame of flow meter and gate valve chambers.	16	Sqm		
	iii. Main hole cover of underground reservoirs sky light.	20	R.M		
	iv. Steel stairs of underground reservoirs and gate valve chamber.	03	R.M		
	v. 100 mm dia suction M.S. pipe line reservoirs to pumps.	80	R.M		
	vi. 250 mm dia steel pipe of delivery line.	40	R.M.		
	vii. Electric motor Pump & Turbine motor.	12	Nos.		
	viii. Gate Valves and Non-return valves 100 mm.	08	Nos		
	x. Girder Frame U-Channel of Turbine Pumps.	50	R.M		
	xii. MS pipe 200mm dia of Turbine pumps.	30	R.M		
13.	Cleaning of underground water reservoirs including bailing out of pumping out the existing dirty and contaminated water from underground water reservoirs removing the derbies of all kinds from the floor walls and				

	cleaning thoroughly and disposing of mud etc . In the Second option washing the walls & floors thoroughly with chlorinated water. After that cleaning and brushing the walls & floor with the bleaching powder, potassium & leathrine & white washing of side walls as entire satisfaction of the Engineer in charge & complete in all respects.	1493	Sqm		
14	Providing & Construction lying work of duct size 3x4x4 ft including cutting block masonry and plaster work in side reservoirs complete in all respect	28	cft		
	<u>D- Pump House at IOCB</u>				
15	Cleaning of reservoirs including bailing out of pumping out the existing dirty and contaminated water from reservoirs removing the derbies of all kinds from the floor walls and cleaning thoroughly and disposing of mud etc as and de-watering.	670	Sqm		
	In the Second option washing the walls & floors thoroughly with chlorinated water. After that cleaning and brushing the walls & floor with the bleaching powder, potassium & leathrine & white washing of side walls as entire satisfaction of the Engineer in charge & complete in all respects.				
16	Painting of pipes with two coats of enamel paint (ICI/Nelson) of primer coat red oxide including scrapping and sand papering etc.				
	i. 200 mm dia pipe line of delivery.	30	RM		
	ii. 80 mm dia suction pipe line with pump sets.	20	RM		
	iii. Gate valves non-return valve.	10	Nos.		
	iv. Pumps & Motors.	08	Nos		
	v. Main hole steel covers of overhead.	05	Nos		
	vi. Airvent pipe of overhead.	05	Nos.		
	vii. Steel stairs Two (02) numbers.	02	Nos.		
	viii. Steel Gate	01	Job		
	<u>E- Fire Pump House</u>				
17	Painting of inlet & outlet M.S pipes line with two coats of International paint (IP) and one coat with primer of marine international paint through water divers instruction services red oxide including chipping scrapping and sand papering work complete in all respect for the following.				
	i. Steel gate of pump house.	12	R.M		
	ii. Diesel Engine.	01	Job		
	iii. Electric Motor with turbine pump (200 HP).	01	Job		

18	iv. MS pipe 50mm dia.	60	R.M		
	v. Gate valve 250mm dia	02	Nos		
	vi. Ventilators MS louvers.	15	R.M		
	vii. Pump and Motor.	01	Job		
	viii. Air Tank.	01	Job		
	ix. Steel Stair upto down.2ft x 15f	01	Job		
	x. MS Girder 300 mm of Marine structure turbine down side of fire pump house.	25	R.M		
	xi. MS Railing Pipe 50mm of frame down side	15	R.M		
	xii. MS Chequeured Plate both sides of walkway.	40	R.M		
	xiii. MS Cross brassing 100mm x 100 mm with support plates.	37	R.M		
	xiv. MS pillars HD of building 600mm dia x 20ft (04) Nos in side of pump house building.	04	Nos		
	xv. MS Channel of walkway 100mm x 50 mm both sides	25	R.M		
	Cleaning jungle cutting by leveling removing all shrubs, trees up to 152mm girth etc. and taking out their entire roots and filling the hollows with soil including stacking the serviceable materials and disposal of useless material through Tractor / Shawal with Driver Fuel and Labour work complete in all respect as directed by the Engineer.				
	i. PQA Water Works inside and outside ground	01	Job		
	ii. Pump House Housing Complex inside ground.	01	Job		
	iii. Dumping earth filling through heavy trucks minimum 900 CFT, maximum 1000 CFT & leveling complete in all respect.	50	Nos		
19	Painting of M.S Angle 100x100mm dia /Bollards, steel stairs, ship connections, Chamber cover and Backflow preventer pipe & wall installed Quay wall at berth No. 1 & 2 with extension including chipping, scraping, brushing, sand paper cleaning etc paint ICI/Burger with primer coat of re-oxide completed in all respect for the following.				
	<u>Berth No. 1 and Extension</u>				
	i. M.S Angle 100x100mm dia	260	R.M		
	ii. M.S Bollards.	09	Nos		
	iii. Ship connection Chamber Cover Frame size 20"x20".	04	Nos.		
	vi. Gate valves 100mm dia with MS pipe	01	Job.		

	<u>Berth No. 2.</u>				
	i. M.S Angle 100x100mm dia	190	R.M		
	ii. M.S Bollards.	07	Nos.		
	iii. Ship connection Chamber Cover Frame.	04	Nos.		
	iv. Backflow preventer pipe 100 mm dia	05	R.M		
	v. Gate valves 100mm dia with pipe	02	Nos.		
	vi. Marking strip in yellow paint from extension of Berth No. 1 to the end of Berth No. 2	450	R.M		
Total Estimated Cost of Rs.					
Note : Inclusive of all taxes and (SRB).					

Total value of BOQ's in words (including all applicable Taxes):_____

(Signature & Seal of the Firm)

