BIDDING DOCUMENTS

FOR

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal

October 2026

PUNJAB SAAF PANI AUTHORITY

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INVITATION FOR BIDS

INVITATION TO BID

Punjab Saaf Pani Authority (PSPA) (hereinafter referred to as the "client"), invites E-Bids (by uploading PDF File) from Contractors / Firms / Man)ufacturer / Authorized dealers registered with the registration system available on the Punjab eProcurement System (eP) having valid License from PEC in category C-6 or above with relevant code ME – 06, registered with FBR & PRA (NTN and PNTN) for E-Procurement on "Punjab eProcurement System (eP)". All e-bids must be submitted through eP concerning "**Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal**".

2. The intending bidder(s) shall download the bidding documents from the EP / website of the Authority and participate in the procurement process without paying any cost or fee. The Uniform Resource Locator (URL) of the website of the Authority and EP are as follows:

https://eproc.punjab.gov.pk
https://ep.punjab.gov.pk

The response time shall be calculated exclusively from the date of publication of advertisement on the website of the Authority

3. All E-bids must be accompanied by a Bid-Security for amounting to **Rs. 118,992/-** (2% of the estimated cost). The Bid Security submission will be processed digitally through eP system. The amount shall be transferred either via 1Link or through Bank Guarantee from any Scheduled Bank in Pakistan in favor of Director (Procurement & Contracts), PSPA, transmitted to BOP by the issuing bank, via SWIFT on MT 760.

4. **The bidders shall complete and authenticate their complete E-bids (by uploading PDF File) and it must be submitted online on e-Procurement System (EP) website i.e. https://ep.punjab.gov.pk as per the following schedule**

E-Bids Submission Date & Time	11th of November 2026 at 02:00 PM
E-Bids Opening Date & Time	11th of November 2026 at 02:30 PM

5. In case e-bid or proposal including record submitted on the eP found corrupt, unreadable or containing virus, the e-bid or proposal shall be rejected.
6. **Single stage Two envelope bidding procedure will be adopted. Submission of encrypted electronic file shall be deemed submission in "envelope" as mentioned in the rules.**
7. Only technically responsive bidder(s) will be qualified for opening of financial bid(s). Financial bid(s) of bidder(s) found technically nonresponsive shall remain unopened in the eP.
8. The procuring Authority may reject all bids or proposals at any time prior to the acceptance of a bid or proposal under Punjab PP Rules 2014 **(Rule-35).**
9. Conditional tender will not be accepted.
10. Tendered rates and amount should be filled in figures as well as in words.
11. The bids will be valid for 120 days.
12. Estimated cost is Rs. **5,949,608/-**
13. Bidders are advised to ensure uploading the Bids on EP Portal, well before the submission deadline, and not wait for the last date and time to upload the bid. Bid submission on EP Portal shall entirely be the responsibility of the bidder. Punjab Saaf Pani Authority shall not be held responsible for any issue thereof. For any assistance regarding EP Portal, system support email and phone numbers are provided hereunder:

eP Mobile Helpline: 1248
Landline: 042-1248

DIRECTOR (PROCUREMENT & CONTRACTS)
PUNJAB SAAF PANI AUTHORITY

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

(Note: - All the procurement procedures shall be conducted in accordance with Punjab Procurement Authority Act-2009, Punjab Procurement Rules-2014 and Punjab Procurement Regulation, 2024. In case of any conflict between the provision of this document and PPRA Act-2009/ PPRA Rules-2014/ PP Regulation, 2024,the later shall prevail.

GENERAL

IB.1 Scope of Bid

1.1 The Employer as defined in the Bid data sheet hereinafter called "the Employer" wishes to receive e-bids (by uploading PDF File) for the construction and completion of works and remedying any defects therein as described in these Bidding Documents, and summarized in the Bid data sheet hereinafter referred to as the "Works".

1.2 The successful bidder will be expected to complete the Works within the time specified in Appendix-A to Bid.

IB.2 Source of Funds

2.1 The Employer has received funds from the source (s) indicated in the Bid data sheet in Pak Rupees towards the cost of the project specified in the Bid data sheet and it is intended that the proceeds of these funds will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

IB.3 Eligible Bidders

3.1 This Invitation for Bids is open to all bidders meeting the requirements mentioned in the Appendix – N of the Bidding Documents. Furthermore, a Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be non-responsive. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

i. are associated or have been associated, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design and other documents to be used.
ii. have controlling shareholders in common; or
iii. receive or have received any direct or indirect subsidy from any of them; or
iv. have the same legal representative for purposes of this Bid; or
v. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid

of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process;

IB.4 One Bid per Bidder

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

IB.5 Cost of Bidding

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

IB.6 Site Visit

6.1 The bidders are advised to visit and examine the Site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.

6.2 The bidders and any of their personnel or agents will be granted permission by the Employer to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Employer, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders.
2. Bid data sheet.
3. General Conditions of Contract (GCC).
4. Forms of Bid & Appendices to Bid, including a Certificate that the bidder is not blacklisted by any Procuring Agency.
5. Bill of Quantities (Appendix-D to Bid).
6. Form of Bid Security.
7. Form of Contract Agreement.
8. Forms of Performance Guarantee, Mobilization Advance, Bank Guarantee and Secured Advance.

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 The Punjab e-Procurement System (eP) contains a mechanism for clarifications. A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency on Punjab e-Procurement System (eP). The Procuring Agency will respond on Punjab e-Procurement System (eP) to any request for clarification of the Bidding documents which it receives no later than seven (7) days prior to the deadline for the submission of e-Bids prescribed in the Bid Data Sheet.

8.2 The Procuring Agency will within three (3) working days after receiving the request for clarification, respond on Punjab e-Procurement System (eP) to any request for clarification provided that such request is received not later than seven (7) days prior to the deadline for the submission of Bids.

IB.9 Amendment of Bidding Documents

9.1 At any time prior to the deadline for submission of Bids, but not later than three (3) days before the closing time of the submission of Bid, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the Bidding documents by amendment. Any such change/amendment in the Bidding documents shall be provided in a timely manner on Punjab e-Procurement System (eP), not later than three (3) days, and on equal opportunity basis as per Rule-25(3) of PPR-14.

9.2 All prospective Bidders that intend to participate in Bidding process will be notified of the amendment on Punjab e-Procurement System (eP), and the amendments will be binding on them.

9.3 Any addendum issued including the notice of any extension of the deadline shall be part of the Bidding Documents and shall be uploaded on Punjab e-Procurement System (eP).

9.4 In order to allow prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Procuring Agency, at its discretion, may extend the deadline for the submission of Bids, as per rule 29 of PPR-14, in the manner similar to the original advertisements, so as to avoid any inconvenience and to doubly ensure level playing field for all prospective bidders.

PREPARATION OF BIDS

IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Employer shall be in the bid language stipulated in the Bid data sheet and Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Comprising the Bid

11.1 Submission of encrypted electronic file shall be deemed submission in "envelope" or "package" as mentioned in the rules.

11.2 Electronic signatures, individual identification, and encryptions generated by the approved system shall suffice to meet the requirement of the rules with respect to the signing and sealing of the documents.

11.3 In case of Single Stage Two Envelope Procedure, The Bid shall comprise two encrypted electronic files submitted simultaneously via uploading on the Punjab e-Procurement System (eP), one called the Technical Proposal and the other Financial Proposal. Each bidder shall furnish all the documents as specified in Bid data sheet 11.1 A & B..

11.4 Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement. The role to be played by each partner to be specified therein**;** and, the concerned partner should have the requisite qualification/ experience to successfully execute the assigned task. Bids submitted by a joint venture of two (2) or more firms shall also comply with the following requirements:

(a) In case of a successful bid, the Form of JV Agreement shall be signed so as to be legally binding on all partners within 7 days of the receipt of letter of acceptance failing which the contract and the letter of acceptance shall stand void and redundant.

(b) One of the joint venture partners shall be nominated as being in charge/ lead partner; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;

(c) The partner-in-charge/ lead partner shall always be duly authorized to deal with the Employer regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of JV Agreement and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;

(d) All partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms; and, a statement to this effect shall be included in the authorization mentioned under Sub-Para (b) above as well as in the Form of Bid

and in the Form of JV Agreement (in case of a successful bid); and

(e) A copy of JV agreement shall be submitted before signing of the Contract, stating the conditions under which JV will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts onbehalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. The JV Agreement shall be made part of the contract. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the Employer.

11.3 The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule, qualification/ experience required to successfully execute the individually assigned tasks and any other information as stipulated in Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.

IB.12 Bid Prices

12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in IB 1.1 hereof, based on the unit rates and / or prices submitted by the bidder.

12.2 The bidders shall quote their rates against each entry / item of DNIT / BOQs (instead of percentage) and completely fill the pages of rate analysis / summary / sub-summary, as required in the financial bid. All incomplete financial bids (i.e., blank DNIT / BOQs and blank entries / pages of rates analysis / summary / sub-summary etc.) shall be declared as **"non-responsive"** and not to be included in the competition for determination of lowest evaluated bidder.

12.3 All duties, taxes (except PRA) and other levies payable by the Contractor under the Contract, or for any other cause, as on the date of opening of the bids shall be included in the rates and prices and the total Bid Price submitted by a bidder.
Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per the General Conditions of Contract.

12.4 Escalation shall be in accordance with the instructions issued by the Government of Punjab from time to time.

12.5 Sales Tax to the extent as provided in the Punjab Sales Tax on Services (Withholding) Rules 2015 shall be deducted and withheld from payment to be made to the service provider for depositing with the Government of Punjab.

IB.13 Currencies of Bid and Payment

13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. All payments to the bidders shall be made in Pak Rupees only and no foreign currency

payment is admissible.

IB.14 Bid Validity

Bids shall remain valid for the period stipulated in the Bid data sheet after the Date of Bid Opening specified in Clause IB.23.

14.1 In exceptional circumstances, prior to expiry of the original bid validity period, the Employer may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period or 180 days whichever is more. The request and the responses thereto shall be made in writing / through EP. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects. Rule 28 of PPR-14 shall be applicable for Bid Validity period.

IB.15 Bid Security

15.1 The Bidder shall submit bid security digitally through eP, of the amount specified in the Bid Data Sheet. The Bid Security submission will be processed digitally through eP system. PSID for the said tender will be generated from the eP and bid security shall be paid directly from bidder's bank mobile app or corporate payment portal through Access 1Bill invoice option by using prefix 267901430 with generated PSID. Once PSID is paid, funds will be transferred via 1Link, and it will be automatically updated in eP against the selected tender.

15.2 For submission of Bid-Security in form of bank guarantee, the issuing bank shall transmit the guarantee in favor of Employer (as specified in Bid Data Sheet) to the Bank of Punjab via SWIFT on MT 760 as Advising Bank. The issuing bank must incorporate relevant tender details and PSID number in the SWIFT message MT 760. Upon receiving the authorized message via SWIFT, BOP will update the same on eP against the selected tender.

15.3 The Bid security is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture Pursuant to ITB Clause 2.3.6. (vii).

15.4 The Bid security shall be in Pakistan Rupees, in favor of Employer as mentioned in Bid Data Sheet, valid for 30 Days, beyond the validity of Bid.

15.5 Any Bid for which bid security isn't received, as mentioned in Bid Data Sheet, before E-bid submission deadline may be rejected by the Procuring Agency as non-responsive.

15.6 The Bid Security will be released electronically by the Tender Convener on eP, only after the successful bidder has accepted the Letter of Intent (LoI), and the Performance Guarantee has been submitted successfully on the e-Procurement Portal or if the

Tender has been cancelled by the Procuring Agency by opting Rule 35 of PP Rules, 2014. This applies to all the following situations:

I. The bidder submitted a PSID but did not submit his Technical or Financial Bid.
II. The bidder submitted his bid but withdrew it before the bid closing time, as permitted under the procurement rules.
III. The bidder submitted his bid but was declared Non-Responsive during the Technical Evaluation.
IV. The bidder qualified technically but didn't stand as the lowest evaluated bidder after the Financial Evaluation.

Note: The refund of Bid Security will be credited to the IBAN provided by the Bidder on eP, subject to verification and approval requirements. In case Bid Security has been submitted in form of bank guarantee, release instructions will be issued by Bank of Punjab through SWIFT message to the issuing bank for cancellation and discharge / release of the guarantee.

15.7 The successful Bidder's Bid security shall only be released upon the Bidder signing the contract,

15.8 The Bid Security may be forfeited:

a) If the bidder withdraws his bid except as provided in IB 22.1;

b) If the bidder does not accept the correction of his Bid Price pursuant to IB 27.2 hereof;

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

(i) Furnish the required Performance Guarantee;

(ii) Sign the Contract Agreement, or

(iii) Furnish the required JV agreement within 7 days of the receipt of letter of acceptance.

IB.16 Alternate Proposals by Bidder

16.1 No alternate proposals are allowed in single stage two envelope method.

IB.17 Pre-Bid Meeting

17.1 The Employer may, on his own motion or at the request of any prospective bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, is as stipulated in the Bid data sheet. All prospective bidders or their authorized representatives shall be invited to attend such a pre-bid meeting.

17.2 The bidders are requested to submit questions, if any, in writing so as to reach the Employer not later than three (3) days before the proposed pre-bid meeting.

17.3 Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the

responses given, together with any responses prepared after the meeting will be uploaded promptly on eP for all prospective Bidders who intend to participate in the Bidding. Any modification of the Bidding Documents listed in IB 7.1 hereof, which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

18.1 The procuring agency doesn't require the submission of hard copies of the bids. All the e-bids shall be submitted on the eP in the manner as specified in the advertisement and the bidding documents.

18.2 Electronic signatures, individual identification, and encryptions generated by the approved system shall suffice to meet the requirement of the rules with respect to the signing and sealing of the documents.

18.3 In case e-bid or proposal including record submitted on the eP found corrupt, un-readable or contain virus, the e-bid or proposal shall be rejected.

18.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid and to contract execution if the Bidder is awarded the contract.

18.5 Bidders are particularly directed that the amount entered on the Letter of Financial Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

18.6 All appendices to Bid are to be uploaded after being properly completed and signed.

18.7 No alteration is to be made in the Financial Bids and Technical Bids nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

SUBMISSION OF BIDS FOR SINGLE STAGE TWO ENVELOPE BIDDING PROCEDURE

IB.19 Sealing and Marking of Bids

19.1 Submission of encrypted electronic file shall be deemed submission in "envelope" or "package" as mentioned in the rules.

19.2 Electronic signatures, individual identification, and encryptions generated by the approved system shall suffice to meet the requirement of the rules with respect to the signing and sealing of the documents.

19.3 In case of Single Stage Two Envelope Procedure, The Bid shall comprise two encrypted electronic files submitted simultaneously via uploading on the eP, one called the Technical Proposal and the other Financial Proposal.

IB.20 Deadline for Submission of Bids

20.1 The complete E-bids must be submitted online on Punjab e-Procurement System (eP) website i.e. https://ep.punjab.gov.pk no later than the time and date specified in the Bid Data Sheet.

20.2 The bidder shall complete and authenticate his e-bid or proposal and submit it within time.

20.3 The Employer may, at his discretion, extend the deadline for submission of Bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Corrupt, un-readable or virus containing e-bid

21.1 In case e-bid or proposal including record submitted on the eP found corrupt, un readable or contain virus, the e-bid or proposal shall be rejected.

IB.22 Modification, Substitution and Withdrawal of Bids

22.1 The Bidder shall be allowed to alter or modify or withdraw his e-bid or proposal before the closing time for submission of the e-bid or proposal.

22.2 No e-Bid may be modified after the deadline for submission of e-Bids.

22.3 No e-Bid may be withdrawn in the interval between the deadline for submission of e-Bids and the expiration of the period of Bid validity specified by the Bidder on the Bid Form. Withdrawal of a Bid during this interval through written notice may result in the Bidder's forfeiture of its Bid security (along with other remedies available under PPR-14).

22.4 Revised e-bid may be submitted after the withdrawal of the original e-bid before the deadline for submission of e-Bids.

E BID OPENING AND EVALUATION FOR SINGLE STAGE TWO ENVELOPE BIDDING PROCEDURE

IB.23 Bid Opening

23.1 The term "opening" wherever appearing in the PP Rules 2014 shall, inter alia, refer to downloading, de-encrypting or reading a secure encrypted electronic folder or file within the meaning of Rule 30 of PP Rules, 2014.

23.2 The e-bid or proposal and e-application for prequalification, as the case may be, shall be opened on the eP on the time and place as specified in the Bid Data Sheet.

23.3 For opening of an e-bid or proposal and e-application for prequalification, as the case may be, the eP shall, at the time of opening, provide one time password to all the members of the concerned committee upon their registered numbers and emails.

23.4 The eP shall not allow to open the e-bid or proposal and e-application for prequalification, as the case may be, unless all the committee members enter one time password.

23.5 The Procuring Agency will open all e-Bids on eP, in public, in the presence of Bidders' or

their representatives who choose to attend, and other parties with a legitimate interest in the Bid proceedings at the place, on the date and at the time, specified in the BDS. The Bidders' representatives present shall sign a register as proof of their attendance and the same shall be uploaded on eP.

23.6 In case of Single Stage Two Envelope Procedure, the Procuring Agency will open the Technical Proposals on eP in public at the address, date and time specified in the BDS in the presence of Bidders` designated representatives who choose to attend and other parties with a legitimate interest in the Bid proceedings. The Financial Proposals will remain unopened on eP until the specified time of their opening. Only technically responsive bidder(s) will be qualified for opening of financial bid(s). Financial bid(s) of bidder(s) found technically nonresponsive shall remain unopened in the eP.

23.7 The encrypted files holding the Technical Proposals shall be opened and downloaded one at a time, and the following read out and recorded: (a) the name of the Bidder; (b) the presence of a Bid Security, if required; and (c) Any other details as the Procuring Agency may consider appropriate.

23.8 Bidders are advised to send in a representative with the knowledge of the content of the e-Bid who shall verify the information read out from the submitted documents. Failure to send a representative or to point out any un-read information by the sent Bidder's representative shall indemnify the Procuring Agency against any claim or failure to read out the correct information contained in the Bidder's Bid.

23.9 No e-Bid will be rejected at the time of Bid opening except for e-bids found corrupt, un-readable or containing virus.

23.10 The Procuring Agency shall prepare minutes of the Bid opening.

23.11 The Bidders' representatives who are present shall be requested to sign on the attendance sheet. The omission of a Bidder's signature on the record shall not invalidate the contents and affect the record. A copy of the record shall be uploaded on eP.

23.12 A copy of the minutes of the Bid opening shall be furnished to individual Bidders upon request.

Preliminary Examination of Technical Bids

23.13 a) The Employer shall first examine qualification and experience Data as per appendix M and N submitted by the Bidder. The technical proposal examination of those bidders only shall be taken in hand who meet the minimum requirement as mentioned in appendix M and N. Only substantially responsive qualification shall be considered for further evaluation.

b) The Employer shall examine the Technical Bid to confirm that all the documents have been provided, and to determine the completeness of each document submitted.

23.14 The Employer shall confirm that all the documents and information have been provided for evaluation of technical bid as required under these bidding documents.

23.15 At the end of the evaluation of the Technical Bids, the Employer will invite only those

bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Financial Bids. The date, time, and location of the opening of Financial Bids will be advised on eP by the Employer. Bidders shall be given reasonable notice for the opening of Financial Bids.

23.16 The Employer will notify Bidders on eP who have been rejected on the grounds of their Technical Bids being substantially non-responsive to the requirements of the Bidding Document. Their Financial Bids shall remain unopened on eP.

23.17 The Employer shall conduct the opening of Financial Bids of all Bidders who submitted substantially responsive Technical Bids, on eP, publicly in the presence of Bidders` representatives who choose to attend at the address, date and time specified by the Employer. The Bidders' representatives who are present shall be requested to sign on the attendance sheet. The omission of a Bidder's signature on the record shall not invalidate the contents and affect the record. A copy of the record shall be uploaded on eP.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of finalbid evaluation report which shall be done at least 10 days prior to the award of Contract. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made (if applicable), final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Employer's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint not later than ten 10 days after the announcement of Technical and Financial Bids. In case of single stage - two envelope bidding procedure, any bidder feeling aggrieved from technical evaluation may file a grievance within 5 days of announcement of the technical evaluation report. After completion of the technical evaluation process, the procuring agency shall immediately upload the technical evaluation report on the eP for obtaining/ receiving grievance petitions from the prospective bidders (if any). After the exhaustion of 5 days period, the complainant cannot raise any objection on technical evaluation of the report. However mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

25.1 As per rule 33(2) of PPR-14, to assist in the examination, evaluation and comparison of Bids and post-qualification of the Bidders, the Procuring Agency may, at its discretion, ask any Bidder for a clarification of its Bid including breakdown of prices. Any clarification submitted by a Bidder that is not in response to a request by the Procuring Agency shall not be considered.

25.2 The request for clarification and the response shall be in writing and be uploaded on eP

as supporting documents. In case of Single Stage Two Envelope Procedure, no change in the prices or substance of the Bid shall be sought, offered, or permitted. Whereas in case of Single Stage One Envelope Procedure, only the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of Bids should be sought in accordance with Clause IB.28.

25.3 The alteration or modification in The Bid which in any way affect the following parameters will be considered as a change in the substance of a bid:

a) evaluation & qualification criteria;
b) required scope of operation and maintenance services and related materials;
c) all securities requirements;
d) tax requirements;
e) Terms and conditions of bidding documents.
f) change in the ranking of the Bidder

25.4 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its bid may be rejected. Rule 33 of PPR-14 shall be applicable for clarifications.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly submitted through eP; (iii) is accompanied by the required Bid Security (furnished in hard form before e-bid submission deadline); (iv) Includes signed Integrity Pact where required as per clause IB.35; and (v) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation (vi) meets the qualification criteria as specified in Appendix-M & N. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Employer's rights or the bidder's obligations under the Contract; (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids. Only substantially responsive bid shall be considered for further evaluation.

26.3 If a bid is not substantially responsive, it may not subsequently be made responsive by correction or withdrawal of the non-conforming material deviation or reservation. The Employer may, however, seek confirmation/ clarification through eP which shall be provided on eP.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) Where there is a discrepancy between the amounts in figures and in

words, the amount in words will govern; and

(b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Letter of Financial Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with IB.15.6 (b) hereof.

IB.28 Evaluation and Comparison of Bids

28.1 The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26.

(a) In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:Making any correction for errors pursuant to Clause IB.27;

(b) Excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and

(c) Making an appropriate adjustment for any other acceptable variation or deviation.

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

F. AWARD OF CONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, 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 eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to IB 29.2.

29.2 The Employer, at any stage of the bid evaluation, having credible reasons for or prima facie evidence of any defect in bidder's capacities, may require the bidders 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 in writing. They shall form part of the records of that bid evaluation report.

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

30.1 Notwithstanding Clause IB.29, the Employer reserves the right to accept or reject any Bid by giving reasons, and to annul the bidding process and reject all bids, at any time prior to the acceptance of any bid or proposal, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to the expiration of the period of Bid validity, the Procuring Agency will shall upload letter of acceptance or purchase order, as the case may be, on the eP and original copy of the same shall be sent to the successful Bidder or Contractor. This letter shall name the sum which the Employer will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted. However, the lowest evaluated bidder may further reduce the Bid Price voluntarily without compromising the quality/ quantity.

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

31.3 The procuring agency and the successful bidder shall sign the contract manually. A signed copy of the Contract Agreement, where applicable, shall also be uploaded on the eP.

31.4 The successful bidder or contractor, if required, shall submit hard copy of the financial instrument as performance guarantee. The performance guarantee shall only be released upon the hard copy.

31.5 Upon furnishing by the successful bidder of a Performance guarantee, the Employer will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities. No bid security can be returned without exhausting the grievance period or without finally disposing off the complaint of the non-responsive bidder. However, bid security may be returned earlier if any bidder submits affidavit that he is satisfied with the proceedings and hence his bid security may be returned.

IB.32 Performance guarantee

32.1 Within fifteen (15) days of the receipt of notification of award from the Procuring Agency,

the successful Bidder shall furnish hard copy of the financial instrument of the Performance Guarantee in accordance with the Conditions of Contract, in the Performance Guarantee Form provided in the Bidding documents, or in another form acceptable to the Procuring Agency.

32.2 Failure of the successful bidder to comply with the requirements of IB.32.1 or IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security along with other remedies available under PPR-14. After that, the Procuring Agency may decide to award the contract to the next lowest evaluated Bidder, keeping in view the Bid validity time, or call for new Bids keeping in view the concept of value for money as defined under rule-2(ae) read with Principles of Procurement as enunciated in rule-4 of PPR-14.

IB.33 Signing of Contract Agreement

33.1 Within 14 days from the date of furnishing of acceptable Performance guarantee under the Conditions of Contract, the Employer will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Employer and the successful bidder shall be executed manually within 14 days of the receipt of the Contract Agreement by the successful bidder from the Employer. A signed copy of the Contract Agreement, where applicable, shall also be uploaded on the eP.

IB. 34 General Performance of the Bidders

The Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Employer may in case of consistent poor performance of any Bidder as reported by the employers of the previously awarded contracts, interalia, reject his bid and/or refer the case to the concerned forum(s). Upon such reference, the concerned forum(s) in accordance with its rules, procedures and relevant laws of the land take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for similar works.

IB.35 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-L to Bid in the Bidding Documents for all procurement contracts exceeding Rupees ten Million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents. Submission of Bids shall be construed as evidence that the bidder has admitted all provisions of the Instruction to the Bidders.

IB.37 PPRA Act, 2009 and PPR-14 will have over-riding effect

PPRA Act, 2009 and PPR-14 as amended up to date will supersede and will have an over-riding effect in case in case of any contradiction with these Instructions, the Contract or any other part of the Bidding Documents.

BID DATA SHEET

BID DATA SHEET

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

Name and address of the Employer:

1.1 Name and address of the Employer is:

Director (Procurement & Contracts)
Punjab Saaf Pani Authority
EFU House, 4th Floor, Jail Road,
Main Gulberg, Lahore.
Telephone: 042-99263029
Email: procurementaabepak@gmail.com
Website: https://saafpani.com.pk

Name of the Project & Summary of the Works:

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal

The procurement shall be National Competitive Bidding based on Single Stage Two Envelope Bidding Procedure on eP (by uploading PDF File) as per Punjab Procurement Rules 2014 and e-Procurement Regulations issued from time to time.

Contract Identification Number: Tender No. Dir (P&C) / 139

The work included in this Contract is as follows but not limited to these only:

- Construction of Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')
- Electrical Works of Filtration Plant Room (12' x 12')
- Development of Borehole & Installation of Raw Water Pump
- Supply, Installation & Commissioning of 2000 LPH Reverse Osmosis Plant.
- 01-year O&M

2.1 Source of Funds:The source of financing for the Project is arranged by Pakistan Petroleum Limited (PPL).

8.1 Time limit for clarification:

At least 07 days prior to the date of submission of bids.

10.1 Bid language:

The language of bid and all correspondence related thereto shall be English.

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

(a) Letter of Technical Bid
(b) Bid Security (IB.15)
(c) Written confirmation authorizing the signatory of the Bid to commit the Bidder (IB.18.5)
(d) Pending litigation information
(e) Certificate that the bidder is not blacklisted by any Procuring Agency
(f) Special Stipulations (as filled by the Employer) (appendix –A)
(g) Proposed Construction Schedule (appendix –E)
(h) Method of Performing the Work (appendix –F)
(i) Availability of Critical Equipment (appendix –G)
(j) Construction Camp and Housing Facilities (appendix –H)
(k) List of Sub-contractors (as required) (appendix –I)
(l) Organization Chart for Supervisory Staff (appendix –K)
(m) Integrity Pact (appendix –L)
(n) Financial Competence and Access to financial Resources (appendix –M)
(o) Past Performance, Current Commitment, Qualification and Experience (appendix –N)

11.1(B) The Bidder shall submit with its Financial Bid the following documents:

(a) Letter of Financial Bid
(b) Bill of Quantities (appendix –D)
(c) Estimated Progress Payments (appendix –J)

The bidder shall in no case include any data of his Financial Bid in the file containing the Technical Bid. Any violation of this prescription will result in bid rejection.

14.1 Period of Bid Validity:

Bids shall remain valid for a period of 120 days from the deadline for submission of Bids.

15.1 Amount of Bid Security:

PKR . 118,992/-

17.1 Venue, time, and date of the pre-Bid meeting:

The Meeting will not take place.

19.2(b) Name and Number of the Contract:

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal

Contract Identification Number: Tender No. Dir (P&C) / 139

20.1(a) Deadline for submission of e-bids on eP:

02:00 PM on 11.11.2026

23.1 Venue, time, and date of Bid opening:

The bids will be opened on eP at the Office of:
Director (Procurement & Contracts), Punjab Saaf Pani Authority
EFU House, 4th Floor, Jail Road, Main Gulberg, Lahore.

02:30 PM on 11.11.2026

32.1 Standard form and amount of Performance guarantee acceptable to the Employer: Irrevocable Unconditional Bank Guarantee from any Scheduled Bank in Pakistan for a sum equivalent to 10% of the accepted tender Price.

32.2. In the event the Performance Guarantee is not provided, and the award is annulled, the Employer may award the Contracts to the next lowest evaluated Bidder whose offer is substantially responsive and technically accepted and is determined by the Employer to be qualified to perform the Contract satisfactorily.

LETTERS OF TECHNICAL BID/ FINANCIAL BID, AND APPENDICES TO BID

Letter of Technical Bid

Date: ……..

Bid Reference No: ……..

(Name of Contract/Works)

To: .....

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB). Complete bidding document is binding upon us and we fully understand that the PPRA Act, 2009 and the PPR-14 as amended up to date supersedes this bidding document, in case of any contradiction, and the same are also binding upon us;

(b) We offer to execute and complete in conformity with the Bidding Documents the following Works:……

(c) Our Bid consisting of the Technical Bid and the Financial Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(d) As security for due performance of the under takings and obligations of our bid, we submit here with a Bid security, in the amount specified in Bid data sheet, which is valid (at least) 30 days beyond validity of Bid itself.

(e) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process.

(f) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bid data sheet.

Name ……..

In the capacity of ……..

Signed ……..

……

Duly authorized to sign the Bid for and on behalf of .....

Date ……..

……

Address……

Letter of Financial Bid

Date: ……

Bid Reference No: ……

(Name of Contract/Works)

To: .....

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB)9;

(b) The total price of our Bid, excluding any discounts offered in item (c) below is:……

(c) The discounts offered and the methodology for their application are:……

(d) Our Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(e) If our Bid is accepted, we commit to obtain a performance guarantee in accordance with the Bidding Documents;

(f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

(g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

(h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bid data sheet.

(i) If awarded the contract, the person named below shall act as Contractor's Representative.

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

Address……

Appendix-A to Bid

SPECIAL STIPULATIONS

1.	Engineer's Authority to issue Variation in emergency *{if applicable}*	2% of the Contract Price stated in the Letter of Acceptance.
2.	Law applicable	The relevant laws applied in the Province of Punjab
3.	Amount of Performance guarantee	10% of Overall Accepted Tender Price stated in the Letter of Acceptance.
4.	Time for Furnishing Program	Within 15 days from the date of receipt of Letter of Acceptance.
5.	Minimum amount of Third Party Insurance (unambiguous with no deductibles, ensuring all coverages as mentioned in the Bidding Documents)	The amount of insurance taken out by the Contractor per occurrence with number of occurrences unlimited shall be as follows: a. Bodily injury (any one person) PKR 0.5 (Half) Million (Max) b. Fatal Case (any one person) PKR 01 (one) million (Minimum) c. Property Damages Depending upon nature of loss (100% of the Damage)
6.	Time for Commencement	Within 7 days from the date of receipt of Engineer's Notice to Commence which shall be issued within 14 days after signing of Contract Agreement.
7.	Time for Completion	Time for Execution: 03 months from the date of receipt of Engineer's Notice to Commence. Time for O&M: 01 Year subsequent to completion of execution
8.	a) Amount of Liquidated Damages	0.1 % of Contract Price stated in the Letter of Acceptance for each day of delay in completion of the Works subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance.
9.	Defects Liability Period	365 Days from the effective date of Taking Over Certificate.
10.	Percentage of Retention Money	As per instruction of Govt. of Punjab from time to time.
11.	Minimum amount of Interim Payment Certificates (Running Bills)	5% of Contract Price stated in the Letter of Acceptance.
12.	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Employer.	30 days in case of local currency

13.	Mobilization Advance * (Interest Free) (Excluding O&M)	Up to 15 % of Contract Price as stated in the Letter of Acceptance, in two parts: i) First Part: 10 % before the commencement of works: and ii) Second Part: 5 % on the furnishing of a certificate by the Engineer In-charge of the work to the effect that the mobilization by contractor is complete in all respects necessary for due commencement of the work.

Appendix-B to Bid

FOREIGN CURRENCY REQUIREMENTS

----NOT USED----

Appendix-C to Bid

PRICE ADJUSTMENT

----NOT APPLICABLE----

Appendix-D to Bid

BILL OF QUANTITIES

(Refer Volume 2 of Bidding Document)

PROPOSED CONSTRUCTION SCHEDULE

The Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed program for completion of the whole of the Works and parts of the Works may meet Employer's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

	Description	**Time for Completion**
a)	Supply, Construction, Installation and Commissioning Works	03 months
a)	Operation and Maintenance	01 year

Appendix-F to Bid

METHOD OF PERFORMING THE WORK

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

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.
2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.
3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.
4. Quality control / Quality assurance measures to be adopted including procedures to be followed for carrying out all tests required under specifications.
5. Production of Authorization from Original Equipment Manufacturer or from its authorized Agent.
6. Pre-shipment inspection at the factory premises shall be carried out by an independent Third-Party Firm having specialization in the task and possess the relevant professionals of the field with respect to the Water Filtration Plants. The expenses in this connection shall be borne by the Contractor.
7. The Contractor should submit appropriate plans detailing how they intend to coordinate the Works with the ongoing water supply system so that the water supply is not disturbed or disrupted in any manner, and how they will ensure that the necessary facilities are available to enable it.

NOTE: The Bidder shall provide the methods for performing the work in such manner that the works falling under the Construction and the O&M are stated separately, in compliance with the Technical Specifications. These shall form part of and be included at the relevant appendix in the respective Contract.

Import documents like bill of lading, custom clearance, Air-way bill, port of shipment etc. will be provided by the contractor to the employer for verification of imported plants & equipment prior to submit the bill invoice of the same.

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

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

LIST OF MAJOR EQUIPMENT

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

Equipment:

The Bidder must demonstrate that it has the key equipment listed hereafter:

No.	PLANT/EQUIPMENT				
	Equipment Type and Characteristics	**Total Nos. available**	**Under Utilization on other projects, if applicable**	**Nos. waiting to be shifted to new project(s)**	**Min. Number Required for this Project**
1					
2					
3					
4					
5					
6					

Appendix-H to Bid

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor in accordance with Clause 34 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation (clearing, land preparation, etc.).
2. Provision of Services.
    a) Power (expected power load, etc.).
    b) Water (required amount and system proposed).
    c) Sanitation (sewage disposal system, etc.).
3. Construction of Facilities
    a) Contractor's Office. Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).
    b) Warehouses and Storage Areas (area required, type of construction and layout).
    c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).
4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).
5. Other Items Proposed (Security services, etc.). The Contractor should mention here what are his proposed environmental measures for the project as per EPA rules like treatment of wastewater and water quality etc. The Contractor shall submit a detailed EMP (Environmental Management Plan) to describe how materials are removed from site and disposed off at a safe location, prevention for the contamination of ground and surface water in neighboring areas etc. including remedial measures for adoption.
6. Detail of testing Lab with testing equipment etc.

Appendix-I to Bid

LIST OF SUBCONTRACTORS

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

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

Part of Works **(Give Details)**	**Subcontractor** **(With Complete Address)**
1	2

Appendix-J to Bid

ESTIMATED PROGRESS PAYMENTS

Bidder's estimate of the value of work, which would be executed by him during each of the periods stated below, based on his Program of the Works and the Rates in the Bill of Quantities, expressed in Pakistani Rupees (to be attached only with Financial Bid):

*Attachment of this Appendix in Technical Bid will result in rejection of bid.

Period	**Amounts (Million Rs.)**
1	**2**
1st Month	
2nd Month	
3rd Month	
O&M	
Bid Price	

Appendix-K to Bid

ORGANIZATION CHART FOR THE SUPERVISORY STAFF AND LABOUR

Appendix-L to Bid

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE

Contract No._____Dated _____
Contract Value: _____
Contract Title: _____

…..... [Name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of the Punjab (GoPb) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoPb through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoPb, except that which has been expressly declared pursuant hereto.

[Name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoPb and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoPb under any law, contract or other instrument, be voidable at the option of GoPb.

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

Name of Employer: ……	Name of Contractor: ……
Signature: ……..	Signature: ……
[Seal]	[Seal]

Appendix-M to Bid

FINANCIAL COMPETENCE AND ACCESS TO FINANCIAL RESOURCES

The financial position of the bidder shall be checked as per following details:

1. <u>SOUNDNESS AND ACCESS TO FINANCIAL RESOURCES:</u>

"The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credits, and other financial means, other than any contractual advance payments, to meet the financial requirements of the contract in the amount of his bid. As a minimum the Bidder must show that his resources, in term of at least his last three years working capital and line of credits, will be adequate to cover the work commitments.

The Bidder must submit its annual audited financial statements/reports for the last three years duly certified by Charted Accountant firm as enclosure with this Appendix.

*Any line of credit indicated needs to have been certified by the Bank and the said certificate must enclosed with this Appendix.

In case of Joint Venture, the JV must collectively satisfy the requirement for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity.

Credit Marks for financial position of the firm or JV shall be awarded based on the criteria mentioned in Appendix - N:

Appendix-N to Bid

TECHNICAL EVALUATION CRITERIA

Qualification will be based on all the criteria given regarding the Bidder's Work Experience Record, Financial Soundness, Plant Data, Tools & Plants, Method Information and Personnel Capabilities as demonstrated by the Bidder's responses. The Employer reserves the right to waive minor deviations if these don't materially affect the capability of a Bidder to perform the contract. The Bidder must meet work experience as single entity or JV partner or through specialist subcontractor (if proposed by the bidder for key activities having experience as single entity) to be declared responsive.

2 - Weightage /Marks

The weightage / distribution of the marks of the evaluation criteria is as given below:

1. Work Experience	35
2. Tools & Plants	10
3. Personnel Capabilities	15
4. Financial Soundness	10
5. Method Information	10
6. Plant Data	20

Note: -The applicant must score total 65 marks and at least 50% marks in each category, to qualify.

2.1 Basic Eligibility

The firms fulfilling the following basic requirements shall only be considered for further evaluation (relevant documents to be attached):

a. Having valid License from PEC in category C6 or Above with relevant code ME-06
b. Registered with tax authorities & who are on Active Taxpayers list of FBR & PRA.
c. Registered with the registration system available on the eP.
d. Incorporated with Security and Exchange Commission of Pakistan or Registrar of Firms as the case may be. [NTN Verification along with requisite Affidavit of sole-proprietorship on judicial stamp paper duly certified by Notary Public / Oath Commissioner, to be provided in case of Sole-Proprietor.]
e. Establishment of business from at least 03-years.
f. Submission of Bid Security on eP for amounting to Rs. 118,992/-, before the E-bid Submission deadline
g. No Blacklisting by the Punjab Saaf Pani Authority or PPRA against the bidder. The bidder must submit with his bid No Blacklisting / declared ineligible (by PSPA or PPRA) affidavit on judicial e-stamp paper duly certified by Notary Public / Oath Commissioner.

h. Certificate that the company will execute the work within stipulated time i.e., 03 months from the award of work.

i. Submission of Affidavit (on judicial e-stamp paper duly certified by Notary Public / Oath Commissioner) to the effect that: -

- The documents/photocopies provided with Bid are authentic. In case of any fake/bogus document found at any stage, the Bidder shall be blacklisted as per Law/ Rules.
- The provided information is correct.

j. Foreign firm participating in the JV shall have the nationality of an eligible country. Foreign firm shall be deemed to have the nationality of a country if the foreign firm is a national of that country; or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country.

Note: All conditions must be fulfilled by each member independently in case of JV

In case of consortium between local and foreign company, the local company at the stage of evaluation must meet the qualification requirement as per PEC category & codes and thereafter, for accord of contract agreement, the JV must be registered with relevant institutions as per PEC by–Laws.

2.2 Detail Eligibility criteria

a. Working Experience

Marks for work experience of the firm or JV or specialist subcontractor (if proposed by the applicant for key activities having experience as single entity), shall be awarded based on following criteria:

Sr.#	CRITERIA	Max Marks	Marking
1.	Work Experience of Installation / O&M of minimum 5 no. of Filtration Plants of 2000 LPH capacity in last 05 years. (The applicant must submit JV agreement in case of projects completed as a partner of JV clearly showing percentage share of all partners of JV, if the JV agreement showing	**35**	• Full Marks for having experience of ≥ 05 no. of Filtration plants. • 25 marks for having experience of < 05 but ≥ 03 no. of filtration plants. • 18 marks for having experience of < 03 but ≥ 01 no. of filtration plants. • No marks for having experience of less than 01 plants no. of filtration plants of 2000 LPH Capacity. (No marks will be given if the bidder fails to provide documentary evidence i.e., Letter of Acceptance / Contract Agreement and completion certificate.)

	percentage of the partners is not attached, the submitted project will not be considered during evaluation.)		

b. Tools and Plants

Credit Marks for tools & plants of the firm or JV shall be awarded under this category using the following criteria:

S.#	NAME OF EQUIPMENT / MACHINERY	MARKS	Remarks
1	Excavators (1 No.)	03	No marks if Purchase Certificate/ Ownership/ rental agreement or any other Proof is not attached.
2	Dump truck & tractor trolley (1-Each)	02	
3	Mechanical lift & Total station (1-Each)	01	
4	Water pumps & Chain Pulley blocks	01	
5	Water Tanks & Wheelbarrows.	01	
6	Generator (25/50 KVA, 01 No)	02	
	Total marks equipment (T&P)	**10**	

c. Personnel Capabilities

Bidders will submit the detailed particular of his experts considering that all staff will serve at site full time during execution of works.

Credit Marks for personnel capabilities of the firm or JV shall be granted based on the following criteria:

Sr. #	DESCRIPTION / CRITERIA	No.	MAX MARKS	REMARKS
1	**Project Manager/ Construction Manager** **01 Division Manager (O&M)** **(B.Sc. Civil / Electrical / Mechanical / Chemical / Environmental Engineer Min. 05-years experience**	1	10	Add CV's, experience certificates, affidavit of

2	Site Supervisor (DAE with Min. 05 years relevant experience)	1	5	employee on judicial stamp paper. No marks if required documents are not attached.
	Total Marks of Personnel Capabilities		**15**	

Note:

The verification of engineers will be confirmed from Pakistan Engineering Council online website OR verified through PEC acknowledgement receipts which must be attached by the bidder. No marks will be given if the Employment Status didn't show employed with the firm at online verification of PEC website OR if bidder does not attach acknowledgement receipt.

Bidders will provide short CVs showing details of experts are desired by highlighting the name of expert, qualification, year of graduation or other degree(s), general experience, specific experience, designation, time of association with this firm, PEC affiliation with evidence.

d. Financial Position

The Bidder must submit its annual audited financial statements/reports for the last three years duly certified by Charted Accountant firm as enclosure with this Appendix.

**Any line of credit indicated needs to have been certified by the Bank and the said certificate must enclosed with this Appendix.*

In case of Joint Venture, the JV must collectively satisfy the requirement for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity.

Sr. #	DESCRIPTION / CRITERIA	MARKS	REMARKS

i)	Available Cash/Bank Credit Line Limit (or combination of both) **A= Available Cash/Bank Credit Line limit or combination of both (in PKR Million)**	5	• Full Marks will be given if "A" is PKR 05 million or above. • For 'A' less than PKR 05 million, marks will be awarded as: (A/05) * 5 • No Marks will be given if "A" is less than PKR 02 million. No consideration will be given if latest / updated current Bank statement (In case of Cash) & valid letter from Bank (In case of Credit Line as proof of Credit Line) is not attached. The Credit Limit Facility will not be considered if the validity period of the facility has lapsed on or before the last date of submission of bids. For bank balance, the bidder can provide the closing balance sheet / bank statement till any date from the publication of tender to closing date of tender
ii)	Average Annual Turnover in last three financial years. **A= Average Annual Turnover in last three financial years (in PKR Million)**	5	• Full Marks will be given if "A" is PKR 10 million or above. • For 'A' less than PKR 10 million, marks will be awarded as: (A/10) * 5 • No Marks will be given if "A" is less than PKR 5 million. Audited financial statements of last three financial years must be attached.
	Total Marks of Financial Position	**10**	

e. Method Information

Sr. #	DESCRIPTION / CRITERIA	MARKS	REMARKS
1	Site Organization	2	• Full Marks for Complete & comprehensive information provided
2	Method Statement	4	

3	Mobilization and Preparatory Works Schedule	2	• 50% Marks for Partial or unclear information provided
4	Proposed Construction Schedule	2	• No marks if no information provided
Total Marks of Method Information		**10**	

f. Plant Data

Sr. #	**DESCRIPTION / CRITERIA**	**MARKS**	**REMARKS**
1	Provision of Authorization letter from Original Equipment Manufacturer.	10	• Full marks will be given if the applicant is the Original Equipment Manufacturer/Authorized dealer. • 50% Marks will be given if the firm took authorization from Original Equipment Manufacturer/ Authorized Dealer and the same is attached. • No Marks will be given if authorization letter from the Original Equipment Manufacturer is not provided.
2	Technical Specifications to be specified by the Bidder (Given Below)	10	• Full Marks will be given if bidder complies in totality with the technical specifications mentioned against each item. • If the bidder deviates from the mentioned specifications, they will be evaluated & marked by the Technical Evaluation Committee accordingly. The decision of the Technical Evaluation Committee will be final in this regard.
Total Marks of Plants Data		**20**	

g. Plant Technical Data

Reverse Osmosis (RO) Plant

Sr. No.	Description	Bidder to Specify
1	Supply, transport, erection, installation, testing & commissioning of 2,000 L/H Reverse Osmosis (RO) Plant for TDS removal along with all other contaminants, including carriage, loading/unloading charges inclusive of all taxes conforming to Mentioned in Technical specifications of filtration plants. Control PLC GSM/GPRS/ SCADA enabled. The unit should be composed of Raw and Product water tanks (2000 Liter capacity for each) Feed and High Pressure Pump, pressure gauges, variable area flow meter for raw water and for product water totalizer/ water meter, pressure safety switch and valves, Multiport valves, safety filter strainers/cartridges filter, sand filter, carbon filters. System should be fully automatic. Provission of UV system, Anti secalent system with Anti scalent PVDF based dosing Pumps and chemical tank. The complete plant should be able to operate/backwash automatically through Automatic Multiport Valve operated by PLC with same feed pump based system. All type of piping and instrumentation shall be considered as part of filtration plant complete in all respect. The plant should be supplied to provide the treated water as per the WHO limits (strict compliance). The specifications along with equipment and accessories properly mounted in the frame/skid are given below:	
2	***Raw Water Feed Pump***	

	Supply Installation and commissioning of 4000 LPH Feed Pump for 2000 LPH RO WFP, complete in all respect Discharge: 4000 LPH Minimum Operation Head: 04 Barg Maximum. Origin: Europe / USA / China or Equivalent Pump Type: Vertical / Horizontal Low Pressure Pump Impeller Type: S.S. 304 Operating Head: Up to 06 Barg Pump Efficiency: ≥ 40% Motor Starter: DOL	
3	***Pre-Filtration***	
3 (a)	***Sand Filter***	
	Material: FRP **Origin:** Europe / USA / German or Equivalent **Fitration Rate:** 6 - 15 m/hr **Vessel Certification:** NSF **Operating Pressure Max:** Up to 06 Barg	
3 (b)	***Filter Media Sand***	
	Material: Quartz Silica Sand **Origin:** Europe / USA / German or Equivalent **Size of Media:** 0.6 - 0.8 mm **Cleaning Process:** Automatic, through PLC / Time Controller MPV	
3 (c)	***Activated Carbon Filter***	
	Material: FRP **Origin:** Europe / USA / German or Equivalent **Media & Vessel Certification:** NSF **Fitration Rate:** 5 - 15 m/hr **Operating Pressure Max:** Up to 06 Barg	
3 (d)	***Filter Media Carbon***	
	Material: Coconut Shell **Origin:** Sri Lanka / Thailand or Equivalent **Size of Media:** 1.2 - 1.6 mm **Surface Area:** 900 m2 / g **Bulk Density:** 440 - 540 kg / m3 **Hardness No:** 80 **Ash Contents:** 5 % **Height of Gravel:** 200 mm **Media Bed Height:** > 800 mm	

3 (e)	***Cartridge Filter***	
	Size: 20 Inches / As per Flow **Porosity:** 1-5 micron **Material:** High pressure Plastic Melt Blown PE	
4	***RO Skid***	
	Frame: Stainless Steel	
5	***High Pressure Pump multistage***	
	Supply, Installation and commissioning of 4000 LPH High Pressure Pump for 2000 LPH RO WFP, complete in all respect Origin: Europe / USA / Japan or Equivalent Discharge: 2000 LPH Operating Head: Up to 16 Barg Pump Type: Vertical / Horizontal High Pressure Pump Impeller material: S.S. 304 Pump Efficiency: > 50% Motor Starter: DOL IP 55 Ambient Temperature Class: 45 degree Celsius	
6	***RO Housing***	
	Material: FRP **Certification:** NSF	
7	***RO Membrane***	
	Supply Installation and commissioning of RO Plant membrane (4x40), including Membrane Housing complete in all respect. Origin: Europe / USA or Equivalent Certification: NSF Pore Size: 0.001 Micron Stablized salt rejection: 99% Capable for TDS: Upto 5000 mg/l Recovery: 15% (each) Life of RO Membrane: 03 to 05 years Pressure Rating: Upto 17 Barg	
8	***Automatic PLC Panel***	

	Origin: Europe / USA / German or Equivalent **Programming:** Fully automatic with breaker, timer and relays complete in all respects **HMI display:** For PLC - 10" minimum size with touch screen (Fully automatic control of plant) SCADA enable	
9	***Anti Scalent + Injection System***	
	Origin: Europe / USA / German or Equivalent **Pressure:** 5 -7 bar **Tank Size:** Maximum 80 liter **Chemical Anti Sclanet:** Food Grade **Material:** PVDF	
10	***UV Light with SS casing***	
	Origin: Europe / USA / German or Equivalent **Material of Casing:** SS 304 / 316 **Operating Pressure:** 04 Barg **Ambient Temperature:** Upto 45 degree celsius	
11	***Raw & Product water tank (2000 L) Each***	
	Material: PE Food Grade	
12	***Level Meter / Float Valve / Switch Electronic***	
	No: 02 **Origin:** Europe / USA / German or Equiavlent	
13	***Water Flow Meter***	
	No: 02 **Origin:** Europe / USA / German or Equiavlent **Type:** Rota Meter / Flow Type **Material:** Acryclic	
14	Pressure Gauges	
15	Online TDS meter	
16	All fittings of PVC Sch.80	
17	Pressure Regulation Switch	
18	Auto on/off Switch for Pump	
19	Automatic Back Wash system for Membrane	
20	Including any item required for Filtration Plant if required	

Joint Venture (JV)

Joint Venture must comply with the following requirements: -

a) The joint venture must collectively satisfy the criteria illustrated at points **a** to **f** of qualification criteria for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity.

Number of projects that a bidder can undertake to construct as per PEC works by laws is aggregate Professional Credit Points (PCPs) authorized for a category of licensee divided by the PCP of construction and capital cost of single project under consideration.
For example C-3 category contractor should have a minimum of 15 PCPs as per table 'A' below from the Bye Laws/S.R.O. 568(I)/87 at all times and the PCP of individual project (costing say 100 Million rupees) is 5 calculated on the basis of 1 PCP for every 20 Million project cost. It means the contractor can have ongoing projects up to 3 (15 ÷ 5) number of this size.

Table A:-

Contractor's Category	Limit of Construction Cost of Project (Million rupees)	Average annual value of work for last 3 years (Million rupees)	Largest project value during last 5 years (Million rupees)	Paid up capital or net/capital worth (Million rupees)	Minimum requirement of professional credit points (PCP credit)
C-3	Up to 100	10	20	5	15

The evaluation of the personnel shall be carried out as per PEC Engineering Bye Laws 1987 and review his qualification accordingly. PCP/ minimum requirement of staff required for the contractor's works in hand should be in accordance with the provisions of PEC's works byelaws. For example, subject to the other conditional points and limits, a single registered Engineer is

given 1 PCP for each year of experience in the construction and operation of engineering works (subject to a minimum of 10 PCPs and maximum of 30 PCPs). The contractor setup has to meet the minimum PCP requirements all time during the currency of the contract for engineering staff to be deployed/ already deployed.

FORMS

BID SECURITY
PERFORMANCE GUARANTEE
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE/BOND
AND
INDEMNITY BOND FOR SECURED ADVANCE

BID SECURITY

(Bank Guarantee)

Security Executed on _____
(Date)

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

Name of Principal (Bidder) with Address _____

_____

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

Bid Reference No. _____

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

_____

(hereinafter called the '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 Bidder has submitted the accompanying Bid dated _____for Bid No. _____for_____(Particulars of Bid) to the said Employer; and

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

(1) that the Bid Security shall remain in force up to and including the date 30 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Surety is hereby waived;

(2) that the Bid Security of unsuccessful Bidders will be returned by the Employer after expiry of its validity or upon signing of the Contract Agreement; and

(3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance guarantee, the entire said sum be paid immediately to the said Employer pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said Employer in accordance with his Bid as accepted and furnish within fourteen (14) days of his being requested to do so, a Performance guarantee 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 for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Surety shall forthwith pay the Employer, the said sum 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 Surety at its address given above.

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

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

SURETY (Bank)

WITNESS: Signature _____

1. _____ Name _____

_____ Title _____

Corporate Secretary (Seal) Corporate Guarantor (Seal)

2. _____

_____

Name, Title & Address

FORM OF PERFORMANCE GUARANTEE

(Bank Guarantee)

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Employer]

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

Name of Principal (Contractor) with address:_____

_____

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

_____

Letter of Acceptance No. _____Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____(hereinafter called the 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 said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

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

We, _____ (the Guarantor), waiving all objections and 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 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-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____
Guarantor (Bank)

Witness:

1. _____ Signature _____

_____ Name _____
Corporate Secretary (Seal)

Title _____

2. _____

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

FORM OF CONTRACT AGREEMENT

This agreement made on _____ which shall be enforced with effect from _____ in pursuance of the Acceptance Letter No ---------- dated ---------- between Director (Procurement & Contracts), Punjab Saaf Pani Authority (hereinafter referred to as the Client) and _____ (hereinafter referred to as the Contractor). WHEREAS the Employer is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein of the Works. It is hereby agreed by both the contracting parties as follows:

ARTICLE-I

That the financial bid Tender No. Dir(P&C)/ _____ was opened on _____ at _____ by the Financial Bid Opening and Evaluation Committee for ---------- --. Acceptance Letter for the above cited Subject at a total cost of _____has been issued in favor of ---------- dated ----------

ARTICLE-II

That the bid security submitted with bid in shape of _____Dated _____for _____issued by----------will be released on accord of the instant agreement.

ARTICLE-III

The contract agreement comprises of _____pages detailed below: -

1. Invitation Notice for Bid
2. Acceptance Letter No. _____dated _____along with complete Bid schedule.
3. Memorandum / Article of Association.
4. Performance Guarantee in shape of Bank Guarantee No._____dated _____for amounting to ---------- issued by---------- shall be released / returned 03-Month after successful completion of contract, verified from Bank vide No. _____dated _____.
5. The General Conditions of Contract for works.
6. Bar Chart of Activity Schedule.

ARTICLE-IV

The contractor will have to complete the work within the stipulated period, according to specifications as mentioned in the acceptance letter and Contract Agreement to the entire satisfaction of the Director Project & Quality Control (Centre Zone), Punjab Saaf Pani Authority.

ARTICLE-V

That if the contractor fails to comply with any of the conditions of the contract, he will be held liable for the consequences thereof which shall be either in the form of liquidated damages or allotment of work at his risk and cost or both. The damages so incurred shall be recovered from the contractor, either from his security money or his running/outstanding bills. Further, if any information/ document submitted by contractor/ firm, founds false, fabricated, materially incorrect at any stage, he/firm will be liable for blacklisting.

ARTICLE-VI

The payment for mobilization, Secure Advance and Escalation will be considered in accordance with instructions issued by the Government of the Punjab.

ARTICLE-VII

The following documents are to be construed as a whole and in the event of any dispute between the parties the parts of these documents shall control and take precedence in the following order: -

1. Contract Agreement.
2. Invitation Notice for Bid
3. Acceptance Letter No. _____dated _____along with complete Bid schedule.
4. Memorandum / Article of Association.
5. Performance Security in shape of Bank Guarantee No._____ dated _____ for amounting to ---------- issued by ---------- shall be released / returned 03-Months after successful completion of contract, verified from Bank vide No.---------- dated ----------
6. The General Conditions of Contract for works.
7. Bar Chart of Activity Schedule.

Director (Procurement & Contracts)

MOBILIZATION ADVANCE GUARANTEE

(Unconditional Bank Guarantee)

Guarantee No._____ Date _____

WHEREAS _____(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 Rupees _____ (Rs _____) 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 mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____

(Scheduled Bank in Pakistan acceptable to the Employer)

(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 fulfilment 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, 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 remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until _____whichever is earlier.

(Date)

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

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the

aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

GUARANTOR

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

WITNESS

1. _____

_____
Corporate Secretary (Seal)

2. _____ _____
(Name Title & Address) Corporate Guarantor(Seal)

INDEMNITY BOND FOR SECURED ADVANCE

AGAINST MATERIALS BROUGHT AT SITE

(ON RS.40 NON-JUDICIAL STAMP PAPER)

This Deed of Indemnity is issued by M/s. _____ _____ *(Name* of *the Contractor)* in favour of *M/s.*_____*(Name* of *the Employer).*

Whereas _____ (hereinafter called the Employer) has paid the Secured Advance against the cost of material through any Bank or like agency by any other method by virtue of the terms of the contract existing between the parties. The details of the material and their price for which secured advance is being sought for the period _____till consumption of the material is as under:-

1. _____ at Rs._____ per _____ = Rs.
2. _____ at Rs._____ per _____ = Rs.
3. _____ at Rs._____ per _____ = Rs.
4. _____ at Rs._____ per _____ = Rs.

THEREFORE THIS DEED OF INDEMNITY WITHNESSETH AS FOLLOWS:

I/We _____ of M/s. _____
do hereby indemnify M/s _____ for all losses due to thefts, arson, pilferage, loss due to flood and inundation, shortage, deterioration and depreciation etc. through any act of Man or God or slump in the Market of any or all the materials financed or paid by the Employer on our request for financing payment against material.

I/We_____shall indemnify _____against any or all claims, action damages arising out of or resulting to the said material.

I/We _____ further declare that we will faithfully abide by the above declaration and solemnly affirm that we will not remove, sell, pilferage any of the materials against which M/s _____ has paid us such a secured advance and will not pledge the same with any Bank, Finance Corporation, Firm, Company, Individual or the like agency or create any change whereon in any from what so ever.

I/We _____ do hereby also declare that in the event of my/our infringement of the declaration made above _____ will be entitled to forfeit all such material and also proceed against me/us according to the relevant clause pertaining to breach of contract and further invoke the power or seek any remedies secured of _____ under the contract Agreement signed with us or otherwise available under law.

Place_____ Dated _____

Contractor _____

PART- I: GENERAL CONDITIONS OF CONTRACT FOR WORKS

GOVERNMENT OF THE PUNJAB

CONTRACT FORM FOR EXECUTION OF WORK

(To be procured by the Contractor)

Copies of the Contract Form for Execution of Work can be obtained from Finance Department Punjab's Website as well as from the Employer.

FINANCIAL BID

for

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal

BILL OF QUANTITIES
(VOLUME – 2 OF BIDDING DOCUMENTS)

PUNJAB SAAF PANI AUTHORITY

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal			
Summary of Cost Estimate			
Sr. No.	Description	Unit Rate (Rs.)	Amount (Rs)
Sub Head A: Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')			
1	A- 1: Civil Works + Plumbing		
2	A- 2: Electrical Works		
		Sub Total A	
Sub Head B: Borehole & Raw water Pump			
3	Boring/drilling up to 90 meter and installation of raw water Pump		
		Sub Total B	
Sub Head C: Reverse Osmosis Plant of 2000 LPH			
4	Supply, Installation, testing & commissioning of 2000 LPH Reverse Osmosis Plant		
		Sub Total C	
Sub Head D: One Year O&M of Reverse Osmosis Plant			
7	One Year O&M of Reverse Osmosis Plant		
		Sub Total D	
		Total (A+B+C+D)	
		5% PRA on CAPEX	
		16% PRA on OPEX	
		Grand Total	

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
Civil Works						
		Excavation				
1	3/21/b	Excavation in foundation of building, bridges and other structures, including dabbling, dressing, refilling around structure with excavated earth, watering and ramming lead up to one chain (30 m) and lift up to 5 ft. (1.5 m)				
		in ordinary soil.	1000Cft	0.72		
		Anti Termite				
2	26/43	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge.	100Sft	10.37		
3	3/15	Filling, watering and ramming earth under floors:-				
		i) with surplus earth from foundation, etc.	1000Cft	0.43		
		Cement Concrete				
4	6/3/b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and				
		Ratio 1: 4: 8	100Cft	2.18		
		Brick work in Foundation				
5	7/4/i	Pacca brick work in foundation and plinth in:-				
		Cement, sand mortar:- Ratio 1:5	100Cft	3.85		
		Horizontal D.P.C				
6	6/37	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating :-				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(a) with one coat bitumen and one coat polythene sheet 500gauge				
		i) 1-1/2" thick (40 mm)	100Sft	1.01		
		Vertical DPC				
7	6/39	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:-				
		(a) with one coat of bitumen and one coat of polythene sheet 500 gauge:				
		i) Ratio 1: 4				
		b) ¾" thick (20 mm)	100Sft	0.89		
		Brick work in Super Structure				
8	7/5	Pacca brick work in ground floor:-				
		i) Cement, sand mortar:- Ratio 1:5	100Cft	5.28		
		Concrete Work				
9	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		Type C (nominal mix 1: 2: 4)	P.Cft	107.05		
		Steel Work.				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
10	6/12-b	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labor charges for binding of steel reinforcement (also includes removal of rust from bars):-				
		(ii) Deformed bars (Grade-60)	100kg	3.44		
		Flooring				
		Sand Filling				
11	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	0.60		
		Brick ballast				
12	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	100Cft	1.20		
		Cement Concrete				
13	6/5/f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100Cft	0.53		
		Topping				
14	10/46a(i)	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.				
		a. Full body Glazed tiles				
		i. 400 mm x 400 mm	100Sft	2.34		
		Skirting				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
15	10/34	Providing grey cement skirting or dado 3/8"(10 mm) thick including rounding of corner and straight ending of top edge and finishing to smooth surface after plastering.				
		1:3 cement, sand mortar	100Sft	0.24		
16	10/16/c	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:-				
		(c) 1½"(40 mm) thick	100Sft	1.43		
		Slab Plaster				
17	11/12/b	Cement plaster 3/8" (10 mm) thick under soffit of RCC. roof slabs only, up to 20' height.				
		b) 1:3	100Sft	1.82		
		Cement Plaster				
18	11/9	Cement plaster 1:4 up to 20' (6.00 m) height:-				
		b) 1/2" (13 mm) thick	100Sft	7.16		
19	11/18	Cement pointing struck joints, on walls, up to 20' (6.00 m) height:-				
		b) ratio 1:3	100Sft	7.07		
20	11/23	Priming coat of chalk under distemper.	100Sft	8.98		
		Distempering				
21	11/24-a	Distempering:-				
		iii) three coats	100Sft	8.98		
22	11/19	Extra cost of labor and material for red oxide pigment in cement pointing to match with the color of bricks.	100Sft	7.07		
		Steel Door				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
23	25-31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x 3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) center to center, with locking arrangement.	Sft	49.00		
		Door Lock				
24	12/31	Providing and fixing, approved quality mortice lock	Each	1.00		
		Paint				
25	13/5/c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):-				
		i) priming coat.	100Sft	2.89		
		ii)Two coat	100Sft	2.89		
		Steel Window				
26	25/44-b-v	Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3 mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labor, etc. as per approved design and as directed by the Engineer-in-charge:-				
		b) fixed with wire gauze, 22 SWG				
		v) glass pane 5 mm thick	Sft	16.00		
27	26/38	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.				
		i) 300 gauge (.003" thick)	Sft	182.25		
		Roof Insulation				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
28	9/35ii	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:-				
		ii. Thermopore sheet ¾ " (20 mm) thick	100Sft	1.82		
		Khurras				
29	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	1.00		
30	9/16	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	Each	1.00		
		Tuff Paver				
31	10/43a	Providing and laying Tuff pavers, having 7000PSI ,crushing strength of approved manufacturer, over 2"to3"sand cushion i/c grouting with sand in joints i/c finishing to require slope. complete in all respect. (50% Grey / 50% Colored)				
		a) 50-mm thick	Sft	72.00		
		Steel Works				
32	25/10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, refitting, handling, assembling and fixing, but excluding erection in position.	100Kg	2.24		
33	25/11	Erection and fitting in position iron trusses, staging of water tanks, etc	100Kg	2.24		

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
34	21/6	Constructing standard gully grating chamber, 3'x2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.	Each	1.00		
					Total "Civil"	
Plumbing Works						
35	9/20-a	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc.:-				
		a) 4" dia (100 mm) cast iron down pipe.	P.Rft	10.00		
36	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting	Each	4.00		
37	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	4.00		
38	23/14-b	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:-				
		b) 4" i/d (100 mm)	P.Rft	30.00		
39	19/27-ii	Providing and fixing chromium plated bib cock:- ii) 1.5 cm (1/2").	Each	6.00		
40	19/31ii	Providing and fixing gun metal peet/gate valve (screwed):-				
		ii) 40 mm(1½") dia	Each	1.00		
		PPRC Pipe				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-1 : Filtration Plant Room (12' x 12') and Fetching Area (8' x 12')						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
41	23/33	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).				
		b. PN-20 pipe				
		ii. (3/4") 25 mm	Rft	10.00		
		v. (1-1/2") 50 mm	Rft	40.00		
					Total "Plumbing"	
					Total "Civil + Plumbing"	

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-2 : Electrical Works of Filtration Plant Room 12' x 12'						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	CH-24/3 ii) & iii)	Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
		i) 20 mm	Rft	180.00		
		ii) 25 mm	Rft	25.00		
2	CH-24/1-a ii)	Supply and erection of G.I. pipes for wiring purposes, including pull boxes, inspection boxes, bends, tees, etc. complete with all specials (on surface, including clamps, etc.)				
		i) 20 mm	Rft	10.00		
3	CH-24/11a-v)	Supply and erection of PVC insulated, PVC sheathed twin core, 250/440 volts copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
		7/0.044"	Rft	22.00		
4	CH-24/9 i), ii), iii) & vi)	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes / M.S. conduit / G.I. pipe / wooden strip batten / wooden casing and capping / trenches, etc. (rate for cable only):-				
		i) 3/0.029"	Rft	220.00		
		ii) 3/0.036"	Rft	190.00		
		iii) 7/0.029"	Rft	55.00		
		vi) 7/0.064"	Rft	18.00		
5	CH-24/41	Supply and erection of button holder (bakelite large size).	No.	2.00		
6	CH-24/33(ii)	Supply and erection of switches 5 Amp Piano type	No.	4.00		

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-2 : Electrical Works of Filtration Plant Room 12' x 12'						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7	CH-24/45 ii)	Supply and erection of Single rod (40 watts) with one choke and one starter tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc.,	Set	4.00		
8	CH-24/51	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	No.	1.00		
9	CH-24/32	Supply and erection of ceiling rose, bakelite.	No.	1.00		
10	CH-24/80	Supply and fitting of regulator knob with shaft and plat of electric fan regulator.	No.	1.00		
11	24/104	Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				
		iii. 56" dia	No.	1.00		
12	24/102	Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
		b) Steel body				
		(i) 12" sweep	No.	1.00		
13	24/107(ii)	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge (ii) Large	No.	2.00		

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-2 : Electrical Works of Filtration Plant Room 12' x 12'						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
14	24/110	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Job	1.00		
15	24/115	Bonding to earth with wire on surface, including cost of wire, clamps, thimbles, etc.				
		b) Copper wire:				
		i) 16 SWG	Rft	150.00		
16	NS	Supply and erection of 2 Pin switch with socket.	No.	1.00		
		MDB (MAIN DISTRIBUTION BOARD)				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-2 : Electrical Works of Filtration Plant Room 12' x 12'						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
17	NS	Fabrication, supply, installation, testing and commissioning of Main Distribution Board (MDB) comprising of cubicles, frame made of sheet steel 14 SWG and doors of 16 SWG, with flexible earthing straps, degreased and derusted, finished with electro-static powder coating of 50 micron thickness in approved color, panel housing to comply with protection class IP-54, indoor concealed type, with hinged door, lockable handle, all auxiliaries, internal wiring, designation labels on MCCB, DOL containing Magnetic Contactors, Over load Relay as per motor rating control wiring for ON-OFF Push Buttons, Indication lights, Terminal Blocks for Remote control of Motor or for interlocking purpose, earthing bar, numbering beads on the control wires, panel suitable for system Voltage 230 V, 50Hz, 1Phase and neutral, bus bars of 99.8% purity electrolytic copper, including cost of cable termination lugs, brass cable glands for incoming & outgoing cables, wiring from breakers, indication lamps, instruments and control including. All incoming and outgoing breakers shall be accessible by opening the front door having additional M.S. sheet cover. Gaskets shall also be provided where necessary. MCCB shall be suitable to operate without any de-rating at 50°C ambient temperature and shall be of one make. only and not a mixture of more than one make. The front and back sides of MDB shall also have louvers at bottom and sides of panel for hot air exhaust, complete in all respects as approved by Engineer In charge.				
		<u>Incoming</u> 01 x 16 Amps DP 10 KA MCB 01 x 6 Amps SP MCB 6 KA for Control 01 x Indication Light R, LED Type 01 x Digital Voltmeter 0-500 V.				
		<u>Outgoing</u> 06 x 5 Amps SP MCB 6 KA				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head No. A-2 : Electrical Works of Filtration Plant Room 12' x 12'						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		02 x DOL for 1.2kW Motor includes: MCB DP 10A BC 6KA EPC, TP Magnetic Contactor TC-9b 09@Ac3,Thermal over Load relay 2.5~4A,Auto Manual Switch, Push Button ON / OFF, Indication lights ON/OFF/ TRIP, MCB SP 06A for Control, Terminal Block 16mm, Terminal Block 6mm.				
		04 x DOL for 0.2kW Motor includes: MCB DP 2A BC 6KA EPC, TP Magnetic Contactor TC-9b 09@Ac3,Thermal over Load relay 1~1.6A,Auto Manual Switch, Push Button ON /OFF, Indication lights ON / OFF/ TRIP, MCB SP 06A for Control, Terminal Block 16mm, Terminal Block 6mm.	No.	1.00		
					TOTAL COST OF ELECTRIFICATION WORKS	

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head B : Borehole & Raw water Pump						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
1	23/1	Boring for tube well in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-				
		d) 6" (150 mm) i/d	P.Rft	100.00		
2	23/2	Boring for tube well in all types of soil except shingle and rock, from ground level 100 to 200 ft. (30-60 m) depth, including sinking and withdrawing of casing pipe, complete:-				
		b) 6" (150 mm) i/d	P.Rft	100.00		
3	23/3	Boring for tube well in all types of soil except shingle and rock, from ground level 200 to 300 ft. (30-60 m) depth, including sinking and withdrawing of casing pipe, complete:-				
		b) 6" (150 mm) i/d	P.Rft	100.00		
4	23/13 (b)	Providing and installing P.V.C. blind pipe, B.S.S. Class `D', in tube well bore hole, including sockets and solvents and jointing with strainer, etc. complete				
		v) 4" i/d (150 mm)	P.Rft	280.00		
5	23/8 (b)	Providing and installing P.V.C. strainer B.S.S. Class `D' , in tube well bore hole, including sockets and solvent, etc. complete:-				
		e) 4" i/d (100 mm)	Per Rft.	20.00		
6	23/11 (b)	Providing and installing P.V.C. Bail/End plug, in tube well bore hole:-				
		b) B.S.S. Class `D'				
		v) 4" i/d (100 mm)	Each	1.00		
7	23/13 (b)	Providing and installing P.V.C. B.S.S. Class `D', in tube well bore hole, including sockets and solvents and jointing with strainer, etc. complete				
		c) 2" i/d (50 mm)	Per Rft.	70.00		

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head B : Borehole & Raw water Pump						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
8	23/19	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line in trenches, with flanged joints, using G.I. pipe of B.S.S. 1387-1967 complete in all respects, including specials and valves:-				
		B) G.I. flanged joints (Heavy Quality)				
		ii) 2" i/d (50 mm)	Per Rft.	5.00		
9	6/5/f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100 Cft	9.00		
10	23/17	Shrouding with graded pea gravel 3/8" to 1/8" around tube well in borehole	Per Cft	20.89		
10	23/33	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).	Per Rft.	25.00		
		b) PN-20 pipe				
		(vi)(2") 63 mm				
11	NS	Supply & installation of 1/2" i/d thick M.S Cap for housing pipe joint by means of welding & hinges with lock & locking arrangements.	Each	1.00		
12	NS	Taking of water samples (2 bottles each) at the end of the pumping test. Full chemical and bacteriological analysis, of water samples according to Pakistani standard.	Each	1.00		

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal						
Sub Head B : Borehole & Raw water Pump						
1st BI-Annual-2026 (1st Jan - 30th June) District Chakwal						
Sr. No.	Ref	Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
13	NS	Providing and fixing of Submersible pump dia 3 inch for 2000 L/H ultra filtration plant including installation with supporting clamp, pimp coupling, power cable, cable clip, cable complete in all respect, with minimum head of 40 meter.	Each	1.00		
Total						

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal					
Sub Head No. C: Reverse Osmosis Plant of 2000 LPH					
Sr. No.	Description	Unit	Qty.	Unit Rate (PKR)	Amount (PKR)
1	Supply, transport, erection, installation, testing & commissioning of 2,000 L/H Reverse Osmosis (RO) Plant for TDS removal along with all other contaminants, including carriage, loading/unloading charges inclusive of all taxes conforming to Mentioned in Technical specifications of filtration plants. Control PLC GSM/GPRS/ SCADA enabled. The unit should be composed of Raw and Product water tanks (2000 Liter capacity for each) Feed and High Pressure Pump, pressure gauges, variable area flow meter for raw water and for product water totalizer/ water meter, pressure safety switch and valves, Multiport valves, safety filter strainers/cartridges filter, sand filter, carbon filters. System should be fully automatic. Provission of UV system, Anti secalent system with Anti scalent PVDF based dosing Pumps and chemical tank. The complete plant should be able to operate/backwash automatically through Automatic Multiport Valve operated by PLC with same feed pump based system. All type of piping and instrumentation shall be considered as part of filtration plant complete in all respect. The plant should be supplied to provide the treated water as per the WHO limits (strict compliance). The specifications along with equipment and accessories	No	1		
2	Raw Water Feed Pump				
	Supply Installation and commissioning of 4000 LPH Feed Pump for 2000 LPH RO WFP, complete in all respect Discharge: 4000 LPH Minimum Operation Head: 04 Barg Maximum. Origin: Europe / USA / China or Equivalent Pump Type: Vertical / Horizontal Low Pressure Pump Impeller Type: S.S. 304 Operating Head: Up to 06 Barg Pump Efficiency: ≥ 40% Motor Starter: DOL				
3	Pre-Filtration				
3 (a)	Sand Filter				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal					
Sub Head No. C: Reverse Osmosis Plant of 2000 LPH					
Sr. No.	Description	Unit	Qty.	Unit Rate (PKR)	Amount (PKR)
	Material: FRP Origin: Europe / USA / German or Equivalent Fitration Rate: 6 - 15 m/hr Vessel Certification: NSF Operating Pressure Max: Up to 06 Barg				
3 (b)	Filter Media Sand				
	Material: Quartz Silica Sand Origin: Europe / USA / German or Equivalent Size of Media: 0.6 - 0.8 mm Cleaning Process: Automatic, through PLC / Time Controller MPV				
3 (c)	Activated Carbon Filter				
	Material: FRP Origin: Europe / USA / German or Equivalent Media & Vessel Certification: NSF Fitration Rate: 5 - 15 m/hr Operating Pressure Max: Up to 06 Barg				
3 (d)	Filter Media Carbon				
	Material: Coconut Shell Origin: Sri Lanka / Thailand or Equivalent Size of Media: 1.2 - 1.6 mm Surface Area: 900 m2 / g Bulk Density: 440 - 540 kg / m3 Hardness No: 80 Ash Contents: 5 % Height of Gravel: 200 mm Media Bed Height: > 800 mm				
3 (e)	Cartridge Filter				
	Size: 20 Inches / As per Flow Porosity: 1-5 micron Material: High pressure Plastic Melt Blown PE				
4	RO Skid				
	Frame: Stainless Steel				
5	High Pressure Pump multistage				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal					
Sub Head No. C: Reverse Osmosis Plant of 2000 LPH					
Sr. No.	Description	Unit	Qty.	Unit Rate (PKR)	Amount (PKR)
	Supply, Installation and commissioning of 4000 LPH High Pressure Pump for 2000 LPH RO WFP, complete in all respect Origin: Europe / USA / Japan or Equivalent Discharge: 2000 LPH Operating Head: Up to 16 Barg Pump Type: Vertical / Horizontal High Pressure Pump Impeller material: S.S. 304 Pump Efficiency: > 50% Motor Starter: DOL IP 55 Ambient Temperature Class: 45 degree Celsius				
6	RO Housing				
	Material: FRP Certification: NSF				
7	RO Membrane				
	Supply Installation and commissioning of RO Plant membrane (4x40), including Membrane Housing complete in all respect. Origin: Europe / USA or Equivalent Certification: NSF Pore Size: 0.001 Micron Stablized salt rejection: 99% Capable for TDS: Upto 5000 mg/l Recovery: 15% (each) Life of RO Membrane: 03 to 05 years Pressure Rating: Upto 17 Barg				
8	Automatic PLC Panel				
	Origin: Europe / USA / German or Equivalent Programming: Fully automatic with breaker, timer and relays complete in all respects HMI display: For PLC - 10" minimum size with touch screen (Fully automatic control of plant) SCADA enable				
9	Anti Scalent + Injection System				

Supply Construction, Installation and 1 Year O&M of Reverse Osmosis (RO) Plant in Village Lohaisar, Tehsil & District Chakwal					
Sub Head No. C: Reverse Osmosis Plant of 2000 LPH					
Sr. No.	Description	Unit	Qty.	Unit Rate (PKR)	Amount (PKR)
	Origin: Europe / USA / German or Equivalent Pressure: 5 -7 bar Tank Size: Maximum 80 liter Chemical Anti Sclanet: Food Grade Material: PVDF				
10	UV Light with SS casing				
	Origin: Europe / USA / German or Equivalent Material of Casing: SS 304 / 316 Operating Pressure: 04 Barg Ambient Temperature: Upto 45 degree celsius				
11	Raw & Product water tank (2000 L) Each				
	Material: PE Food Grade				
12	Level Meter / Float Valve / Switch Electronic				
	No: 02 Origin: Europe / USA / German or Equiavlent				
13	Water Flow Meter				
	No: 02 Origin: Europe / USA / German or Equiavlent Type: Rota Meter / Flow Type Material: Acryclic				
14	Pressure Gauges				
15	Online TDS meter				
16	All fittings of PVC Sch.80				
17	Pressure Regulation Switch				
18	Auto on/off Switch for Pump				
19	Automatic Back Wash system for Membrane				
20	Including any item required for Filtration Plant if required				
				COST OF 2000 LPH REVERSE OSMOSIS PLANT	