



الخدمت فاؤنڈیشن وسطی پنجاب
ALKHIDMAT FOUNDATION CENTRAL PUNJAB

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**Request for Quotations (RFQ)
Provision (Supply, Installation and Operation & Maintenance) of Water Filtration Plant in
3 Districts of Central Punjab
Alkhidmat Foundation Pakistan, Central Punjab**

Ref:

Date: 12-12-2024

Invitation to Bidders

Subject: Request for Quotation for Water Filtration Plant on 3 Districts of Central Punjab

Dear Bidding Company,

We invite you to submit a quotation for the supply, installation, commissioning, and one-year maintenance of a UF/RO Filter Plant for our upcoming projects, the Chicha Watni (District Sahiwal), Rao Khan Wala (District Kasur), Pasrur (District Sialkot) Water Filtration Plant. Attached is the RFQ document with detailed specifications and submission guidelines. Please review it carefully and submit your quotation by 30th December 2024.

For any questions, feel free to reach out to **Ms. Hafsa Bashir** at hafsa.bashir@alkhidmat.org or +923426333814.

Thank you for your interest in partnering with us.

Sincerely,

Hafsa Bashir
Community Specialist
Alkhidmat Foundation Pakistan Central Punjab
Address: 711, Block J-2 Johar Town, Lahore, Central Punjab, Pakistan
Contact: 03426333814



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Section A

1. Project Description

Sr. No.	District Name	Site Location	Plant Type	Quantity	Status of Civil Work
1.	Sahiwal	Gulshan Rahim Market, Tehsil Chicha Watni situated at 31.536282 latitude and 72.697475 E longitude.	1-ton UF with PLC, HMI, Arsenic Media with possibility of upgrading in future to RO. Required Capacity 1000 Liter/Hour. Piping and materials are specified in technical specifications.	01	Completed. Single-Phase Electrical Connection
2.	Sialkot	Idara Ishaat-o-Islam, Mori Gate, Sabzi Mandi, near National Bank Pasrur situated at latitude of 32.266879 and longitude of 74.6615721.	1-ton RO with PLC, HMI with possibility of upgrading in future to RO. Required Capacity 1000 Liter/Hour. Piping and materials are specified in technical specifications.	01	Near Completion. Single-Phase Electrical Connection
3.	Kasur	Rao Khan Wala, Near Railway Station situated at latitude of 31.1899044 and longitude of 74.32646.	1-ton RO with PLC, HMI with possibility of upgrading in future to RO. Required Capacity 1000 Liter/Hour. Piping and materials are specified in technical specifications.	01	Civil Work started. Single-Phase Electrical Connection

The project scope includes the supply, installation, commissioning and maintenance of a UF/RO water filtration plant with specified technical standards. Additionally, the supplier is responsible for training local operators and providing a one-year maintenance warranty to ensure consistent plant performance.



SECTION- B

INSTRUCTIONS TO BIDDERS

1. The bids shall be evaluated as per terms & conditions and evaluation criteria as per AKFCP rules that are devised on basis of Punjab Procurement Rules, 2014, amended up to 2016.
2. The Firm/Company must submit:
 - a. **(01) ONE INDIVIDUALLY SEALD ORIGINAL TECHNICAL PROPOSAL** and the **(01) INDIVIDUALLY SEALD ORIGINAL FINANCIAL PROPOSAL**, both into another **SEALED ENVELOPE** clearly marked as **ORIGINAL QUOTATION DOCUMENTS**.
 - b. **(01) ONE INDIVIDUALLY SEALD COPY OF TECHNICAL PROPOSAL** and the **(01) INDIVIDUALLY SEALD COPY OF FINANCIAL PROPOSAL**, both into another **SEALED ENVELOPE** clearly marked as **COPY QUOTATION DOCUMENTS**.

duly completed and shall be reached/posted at Alkhidmat Foundation Pakistan, Central Punjab 711, Block J-2 Johar Town, Lahore, Central Punjab, Pakistan on or before the last date of submission i.e. **30th December 2024** at **02.00 PM** in the presence of Bidders or their representatives who may like to be present.

3. Envelope marked “**TECHNICAL PROPOSALS**” shall be opened by the Procuring Agency on same date at **2.30 P.M.**
4. Envelope marked “**FINANCIAL PROPOSALS**” of only the technically responsive/accepted bids shall be opened publicly at the time and place to be announced by the Procuring Agency. Participated bidder will be informed accordingly.
5. The Financial Proposal of the bid found “**Technically Non-Responsive**” shall be returned unopened to the respective bidders.
6. The bid found to be the lowest evaluated shall be accepted as per PPRA Rules, 2014. Incomplete bids will be liable for rejection.
7. Only Income Tax/PRA/Sales Tax /Pakistan Engineering Council (Category C-4) Registered Firms/Companies may submit their offers/quotations.
8. Bidders should note that each and every page of the bid documents shall be signed and stamped by the bidders and will be submitted with the bid.
9. Each bidder shall be deemed to have satisfied himself before bidding as to the correctness and sufficiency of his quotation and of the rates and prices stated in the bid schedule, which rates and prices shall, except in so far as it is otherwise expressly provided in the contract, cover all obligations under the contract and all matters and things necessary for the proper completion of the assignment.



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10. The bidder shall indicate in the space provided in the RFQ proper address at which notices may be legally served on him and correspondence in connection with his quotation and the contract is to be sent.
11. The presentation of the quotation implies full acceptance on the part of the bidder of these instructions and all other conditions set forth in the contract document.
12. Proposals shall be submitted in the English Language.
13. Firm/Companies to state local cost in the national currency that is PKR and inclusive of all taxes, duties, levies, insurance, freight, etc. The quoted price must be Best / final / fixed and valid until completion of the Contract i.e. not subject to negotiation / variation / escalation; If not specifically mentioned in the quotation, it shall be presumed that the quoted price is as per the mentioned requirements.
14. Quotation documents which are incomplete, not sealed, and late or submitted by other than specified mode shall be returned un-opened.
15. Clarifications may be requested not later than **05 days** before the submission date. The address for requesting clarifications is:

Hafsa Bashir
Community Specialist (WASH Program)
Alkhidmat Foundation Pakistan Central Punjab
Address: 711, Block J-2 Johar Town, Lahore, Central Punjab, Pakistan
Contact: 03426333814



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SECTION-C

TERMS & CONDITIONS

The Alkhidmat Foundation Pakistan, Central Punjab (hereinafter referred as Client") invites sealed bids from eligible and experienced firms / companies/Contractors (hereinafter referred to as "Firm") for the Goods (hereinafter referred to as "Goods"). Following are the terms & conditions:

1. General Conditions

1.1. Any offer not received as per terms & conditions of the quotation enquiry is liable to be ignored. No offer shall be considered if:

- a. it is received after the time and date fixed for its receipt,
- b. not signed & stamped by authorized person on each page of quotation document,
- c. the offer is received by fax or e-mail,
- d. the offer is from a black listed firm,
- e. any conditional offer.
- f. Submitted in other than prescribed forms, annexes, other than specified mode; or
- g. Incomplete, un-sealed, un-signed, printed (hand written), partial, conditional, alternative, late; or subjected to interlineations / cuttings / corrections / erasures / overwriting; or;
- h. The Bidder submits more than one Proposals; or
- i. The Contactor has conflict of interest with the Client; or
- j. The Bidder tries to influence the Quotation evaluation / Contract award; or
- k. The Bidder engages in corrupt or fraudulent practices in competing for the Contract award.

1.2. The bid shall be accompanied by Income Tax Certificate/PRA/Pakistan Engineering Council (C-4) Certificate.

1.3. The Bidder shall bear all costs / expenses associated with the preparation and submission of the quotation(s) and the Client shall in no case be responsible / liable for those costs / expenses.

1.4. The Bidder is expected to examine the Quotation Document, including all instructions and terms and conditions.

2. Origin

For purposes of "origin" shall be considered to be the place where the Goods are produced or from where the Goods are provided

3. Performance Guarantee

3.1. The Successful bidder shall furnish a Call Deposit Receipt / Pay Order / Demand Draft/Bank Guarantee as Performance Guarantee @ 10% of the bid price quoted by the bidder within a period of **Seven (07)** days after the receipt of Acceptance Letter from the procuring agency. Failure of the Successful bidder to submit an acceptable Performance Guarantee shall constitute sufficient grounds for the annulment of the award of work. The Performance Guarantee must have a minimum validity period of **120 days** from the date of Acceptance Letter or until the date of expiry of warranty period (**where applicable**), whichever is later;

3.2. The proceeds of the Performance Guarantee shall be payable to the Client, on occurrence of any / all of the following conditions:

3.2.1. If the Bidder commits a default under the Contract;



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3.2.2. If the Bidder fails to fulfill any of the obligations under the Contract;

3.2.3. If the Bidder violates any of the terms and conditions of the Contract.

3.2.4. The Bidder shall cause the validity period of the Performance Guarantee to be extended for such period (s) as the contract performance may be extended. The Performance Guarantee shall be returned to the Bidder within thirty working days after the expiry of its validity.

4. Bid Validity

4.1. The validity of bid shall be for a period of **120 (one twenty)** days from the date of opening of the technical bids or from the date of issuance of Acceptance Letter, whichever is later;

4.2. The Client may solicit the Bidder's consent to an extension of the validity period of the Quotation. The request and the response thereto shall be made in writing. The Bidder may refuse extension of validity period of the quotation if satisfactory reason is not provided.

5. Determination of Responsiveness of the Quotation

5.1. The Client shall determine the substantial responsiveness of the quotation to the Quotation, prior to the Quotation evaluation, on the basis of the contents of the Quotation itself without recourse to extrinsic evidence. A substantially responsive Quotation is one which:

5.1.1. Meets the Mandatory Requirement of the Eligibility & Evaluation Criteria of the RFQ

5.1.2. Is otherwise complete and generally in order;

5.1.3. Conform to all terms and conditions of the Quotation Document, without material deviation or reservation. A material deviation or reservation is one which affects the scope, quality or performance of the services or limits the client's rights or the Bidder's obligations under the Contract.

5.1.4. The Quotation determined as not substantially responsive shall not subsequently be made responsive by the Bidder by correction or withdrawal of the material deviation or reservation. However, the Client may waive off any minor non-conformity or inconsistency or informality or irregularity in the Quotation.

5.1.5. If there is a discrepancy between the amount in figures and the amount in words, the amount in words shall prevail.

5.1.6. The Bidder shall state the Quotation Price for the payment terms outlined in the budget break down section.

5.1.7. AKFCP reserves the right without further recourse to verify at its own cost the accuracy of any information provided herein.

5.1.8. All the applicants to please note that as per AKFCP Rules derived from PPRA Rules and Regulations, all the documents/statements submitted by a Firm/Company for its bidding are under Oath. Any document/statement provided if proved false, misstated, concocted, or incorrect at any time during or after RFQ will result into permanent disqualification and black listing of the firm/Company/Partners with their names displayed on AKFCP website.



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5.1.9. The Technical Proposals must not contain any fee or fee schedules or any other reference to rates for undertaking the Assignment. All the Technical Proposals containing such fee or rate related information will be rejected.

6. Rejection / Acceptance of the Quotation

6.1.1. The Client shall have the right, at his exclusive discretion, to increase / decrease the quantity of any or all item(s) without any change in unit prices or other terms and conditions, accept or reject all quotation(s), cancel / annul the bidding process at any time prior to award of Contract, without assigning any reason or any obligation to inform the Bidder of the grounds for the Client's action, and without thereby incurring any liability to the Bidder and the decision of the Client shall be final.

6.2. Bids will be rejected if it is;

6.2.1. Substantially non-responsive; or

6.2.2. Not qualified on technical proposal; or

6.2.3. The Bidder refuses to accept the corrected Total Bid Price.

7. Acceptance Letter

7.1. The Client shall, send the Acceptance Letter to the successful Bidder, prior to the expiry of the validity period of the bid validity, which shall constitute a draft contract, until execution of the formal Contract.

8. Dispute

8.1. In case of any dispute before or after the execution of Contract/ Provision of Water Filtration Plants, matter will be resolved as per AKFPCP Rules derived from PPRA, 2014 (Amended), however, decision of the Court of Arbitration shall be final and firm and both "Parties" are obliged to follow it.

9. Late Bids

9.1. Late bids shall be rejected and returned unopened to the bidders.

10. Joint Venture

10.1. Bidders may form a joint venture of two or more Bidders. An Agreement Deed duly registered with concerned authority to that effect, legally executed and signed by all the partners shall be submitted with the Quotation.

10.2. One of the partners shall be authorized to, be in charge, incur liabilities, receive payments and receive instructions for and on behalf of any or all partners. A power of attorney to that effect, legally executed, signed by all the partners shall be submitted with the Quotation.

10.3. All the partners shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The Bidder, and in case of successful awarding of the Contract Deed, to that effect, shall be signed by all the partners.

11. Amendment of the Quotation Document

11.1. The Client may, at any time prior to the deadline for submission of the Quotation, at its own initiative or in response to a clarification requested by the prospective Bidder(s), amend the Request for Quotation document, on any account, for any reason. All amendment(s) shall be part of the Proposal and binding on the prospective Bidder(s).



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11.2. The Client shall notify the amendment(s) in writing to the prospective Bidders who shall acknowledge receipt of the amendment(s) in writing to the Client.

11.3. The client may, at its exclusive discretion, amend the RFQ Document to extend the deadline for the submission of the RFQ, in which case all rights and obligations of the Client and the Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

12. Modifications/ Substitution/ Withdrawal of Proposal

12.1 The Bidder may modify, substitute or withdraw its proposal after submission, provided that written notice of the modification, substitution or withdrawal is received by AKFCP, no later than the closing date for ‘**Communication of Response to Queries of Prospective Bidders**’ as mentioned in this document of bidding Process.

12.2. The notice for modification, substitution or withdrawal of any quotation shall be prepared, sealed, marked and delivered in accordance with the outer and inner envelopes additionally marked “**MODIFICATION**”, “**SUBSTITUTION**” or “**WITHDRAWAL**”, as appropriate. A withdrawal notice may also be sent by telex or fax but followed by a signed confirmation copy, post marked not later than the deadline for submission of Proposals.

13. Preparation / Submission of Quotation

13.1. The Proposal shall be furnished for whole Proposal and not in piecemeal/partial.

13.2. The Proposal and all documents relating to the Proposal, exchanged between the Bidder and the Client, shall be in English. Any printed literature furnished by the Bidder in another language shall be accompanied by an English translation which shall govern for purposes of interpretation of the Proposal.

13.3. The Proposal shall be filed in / accompanied by the prescribed Forms, Annexes, Schedules, Charts, Drawings, Documents, Brochures, Literature, etc. which shall be typed, completely filled in, stamped and signed by the Bidder or his Authorized Representative. In case of copies, photocopies may be submitted.

13.4. The Quotation shall be in two parts i.e. the technical proposal and the financial proposal. Each proposal shall be in two sets i.e. the original and the copy. In the event of any discrepancy between the original and the duplicate, the original shall govern

13.5. The Bidder shall seal the Original Technical Proposal in an envelope duly marked as under:

Original

Technical Proposal for

Proposal No.

[Name of the Client]

[Address of the Client]

[Name of the Bidder]

[Address of the Bidder]

[Phone No. of the Bidder]

13.6. The Bidder shall seal the Original Financial Proposal in an envelope duly marked as under:



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Original

Financial Proposal for
Proposal No.

[Name of the Client]

[Address of the Client]

[Name of the Bidder]

[Address of the Bidder]

[Phone No. of the Bidder]

13.7. The Bidder shall again seal the sealed envelopes of Technical Proposal and the Financial Proposal in an **outer envelope**, duly marking the envelope as under:

“PROVISION OF WATER FILTRATION PLANTS” DO NOT OPEN BEFORE 30th December, 2024”

Proposal for

Proposal No

Strictly Confidential

Open on [Last Date of submission of the Quotation]

[Name of the Client]

[Address of the Client]

[Name of the Bidder]

[Address of the Bidder]

[Phone No. of the Bidder]

13.8. The Bidder shall seal the Duplicate Copy of Technical Proposal in an envelope duly marked as under:

Duplicate

Technical Proposal for Proposal No.

[Name of the Client]

[Address of the Client]

[Name of the Bidder]

[Address of the Bidder]

[Phone No. of the Bidder]



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13.9. The Bidder shall seal the Duplicate Copy of Financial Proposal in an envelope duly marked as under:

Duplicate

Financial Proposal for
Proposal No.

[Name of the Client]

[Address of the Client]

[Name of the Bidder]

[Address of the Bidder]

[Phone No. of the Bidder]

13.10. The Bidder shall again seal the sealed envelopes of Duplicate Technical Proposal and the Financial Proposal in an **outer envelope**, duly marking the envelope as under:

DUPLICATE COPY

“PROVISION OF WATER FILTRATION PLANTS” DO NOT OPEN BEFORE 30th December, 2024

Proposal for

Proposal No

Strictly Confidential

Open on occurrence of any discrepancy only

[Name of the Client]

[Address of the Client]

[Name of the Bidder]

[Address of the Bidder]

[Phone No. of the Bidder]

13.11. The Proposal shall be submitted by post/hand at following address and time:

Alkhidmat Foundation Pakistan Central Punjab

Address: 711, Block J-2 Johar Town, Lahore, Central Punjab, Pakistan

Closing Time: 02:00 P.M, 30th December 2024

Opening Time: 02:30 P.M, 30th December 2024



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14. Bid / Quotation Opening & Evaluation Procedure

14.1 As per Punjab PPRA Rules, 2014 (Amended up to 2016).

14.2 Technical Evaluation shall be carried out by the Procuring Agency according to the evaluation criteria mentioned in the bidding documents. The “Competent Authority” for final decisions in any aspect of the entire process is by Regional Purchase Committee of AKFCP.

15. Evidence of Supporting Documents

15.1 AKFCP reserves the right to call for supporting documentation to verify the data provided by Bidder, at any time during the bidding process. The Bidder in such cases will need to provide the requested clarification / documents promptly and within three days of communication. In case the bidder fails to provide the requested documents, such part(s) / portion(s) / document(s) will not be considered for evaluation marking and zero marks will be awarded if the clarification is of mandatory nature, as determined by AKFCP, the Bid is liable to be disqualified.

16. Right to Reject or Accept any or All Applications

16.1. Notwithstanding anything contained in this RFQ document, AKFCP reserves the right to accept or reject any proposal and to annul the bidding process and reject all proposals, at any time even after bidding without any liability or any obligation for such acceptance, rejection or annulment as per PPRA Rules, 2016.

17. Confidentiality

17.1. Information relating to the examination, clarification, evaluation, and recommendation for the qualified Bidders shall not be disclosed to any person not officially concerned with the process (except for verification or any other legal requirement). AKFCP will treat all information submitted as part of bidding in confidence and will require all those who have access to such material to treat the same in confidence. AKFCP will not divulge any such information unless it is ordered to do so by any authority that has the power under law to require information disclosure or unless deemed pertinent by AKFCP WASH Procurement Committee. Bidder is also not allowed to call any member of AKFCP WASH team and ask about status of bid evaluation. Only queries related to quotation submission can be asked from designated focal person from WASH team i.e. Ms. Hafsa Bashir.

17.2. Notwithstanding above, for operational requirements and to ensure conformity to relevant laws AKFCP reserves the right to share information/seek verification of product (for successful contractors) used by contractor during delivery of Water Filtration Plants with / from any government organization/department/agency at any stage and it will be the responsibility of the contractor to not use any such product which is without valid registration, proper documentation or use of which violates any law, rule or regulation of any agency, department or organization of Pakistan.

18. Qualification and Notification

18.1. After the evaluation of proposals, AKFCP will announce a list of technically qualified Bidders who meet the technical Qualification Criteria and get the marks required for passing technical score. At the same time, AKFCP will notify the failing bidders regarding their bid.



SECTION-D

TECHNICAL PROPOSAL QUALIFYING & EVALUATION CRITERIA

1. PARTICIPATION RESTRICTION

- I. No Prospective Bidder may technically qualify if it owns more than five percent (5%) of the share (directly or indirectly, in terms of voting rights and/or rights to dividends) of another Prospective Bidder or is a member of another bidding company / firm.
- II. No Prospective Bidder may technically qualify if it has any representative on the Board of Directors of another Prospective Bidder.
- III. No Prospective Bidder may technically qualify if any of AKFCP's advisors or external consultants holds any shares or has any representatives in the Board of Directors of the Prospective Bidder or is a member of another bidding company / firm.
- IV. No Prospective Bidder may qualify if it has affiliation (first kin only) with any employee of AKFCP, Punjab.
- V. In Joint venture the experience and resources of sub-contractor(s) shall NOT be considered for Technical qualification. However Limited Companies and Partnership firms would be considered as single entity.

2. Requirements and Specifications

- **Item(s):** See section below for Employers Requirement
- **Quantity:** See section of technical specification
- **Quality Standards:** Relevant quality standards such as certifications from ISO, water quality reports from PAK-EPA certified labs etc.
- **Delivery Date:** Within 15 days of contract award. Give detailed breakdown of expected delivery.

3. Evaluation Criteria

Quotations will be evaluated based on the following criteria:

- Company's financial soundness, supplier experience, and past performance
- Price competitiveness
- Quality and compliance with specifications
- Delivery timeline
- Warranty and after-sales service

4. Employer Requirements

1. Technical Requirements

- **Feed Water Characteristics:** The water quality report from an existing source is attached. The bidder may like to reconfirm the raw water source, such as turbidity, salinity, organic matter, and temperature range at their own cost.
- **Water Quality Specifications:** The desired water quality parameters for treated water (e.g., turbidity, biological content, chemical properties, etc.) following WHO guidelines. The attached water quality report also shows the permissible limits.



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- **System Capacity:** The system capacity is specified under the technical specifications of the UF/RO system in terms of daily or hourly output.
- **Performance Standards:** The requirements for filter efficiency, pressure, flow rates, recovery rate, and rejection rates of specific contaminants are already included in the technical specifications.
- **Membrane Details:** This is provided under technical specifications.

2. Design Requirements

- See project description for design requirements.

3. Construction and Installation Requirements

- **Site Conditions:** The community is already engaged and has agreed to the project. No specific constraints have been identified thus far.
- **Civil Works:** See project description for status of civil work.
- **Health and Safety:** Ensure adherence to safety regulations during the installation of the UF filter plant. Minimum health and safety requirements include:
 1. Use of personal protective equipment (PPE) such as gloves, helmets, and safety vests for all workers.
 2. Regular site inspections to identify and mitigate potential hazards.
 3. Implementation of emergency procedures and first-aid availability on site.
 4. Clear signage and restricted access to construction zones for unauthorized individuals.

4. Quality Assurance and Testing

- **Inspection and Testing:** The quality control measures will be needed, such as pressure testing, leak testing, and water quality testing after commissioning.
- **Commissioning Plan:** The bidder will in advance inform the commissioning plan outlining the procedures for system commissioning, performance validation, and troubleshooting.
- **Documentation:** The documentation requirements included such as operational manuals, as-built drawings, and training guides.

5. Operational Requirements

- **Ease of Maintenance:** The related requirements for maintenance access, membrane cleaning, and replacement should be clearly indicated in the inspection and maintenance manual.
- **Spare Parts:** Please add list of necessary spare parts and consumables for initial operation under technical requirements with justification and cost them separately under financial bid.
- **Operator Training:** Please include the training module for operator training on system functionality and maintenance with a clear timeline.

6. Warranty and after-Sales Support

- **Warranty Period:** Duration and scope of warranty and after sale support for components and overall system is required for at least one year after commissioning of project.
- **Service and Support:** Requirements for post-installation service, emergency response times, and availability of technical support are important and should clearly be mentioned in the bid.



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7. Compliance and Standards

- **Regulatory Compliance:** The provided quarterly reports of water quality by bidder till completion of warranty period must comply with WHO/Pak EPA drinking water quality standards.
- **Standards for Equipment:** Reference relevant standards for equipment, such as ISO, ANSI, or local engineering standards are mandatory.

8. Mandatory Documents

- a. Copy of attested CNIC & 2 Passport Size Colour Photographs in case of Sole Proprietor
- b. Copy of attested CNIC of Power of Attorney holder of applicant to represent the applicant
- c. Registration Certificate /Certificate of Incorporation from concerned Authority
- d. NTN (Company, Firm, AOP Or Individual as applicable).
- e. PRA Registration Certificate
- f. Pakistan Engineering Council PEC Category C-4 (PEC Code CE-09, CE-10 & EE-04) with having owned Manufacturing /Assembly Facility of Water filtration Plants.
- g. Original Equipment Manufacturer Certificate (OEM)
- h. Original Bank Statement for last six month duly stamped with bank original covering letter duly stamped and signed
- i. Affidavit of Non-Black listing / non-penalty on violation of PPRA Rules Or Procuring Agency's Terms & Conditions. (Certificate to this effect on Rs.100/= non-judicial stamp paper to be provided).
- j. Partnership documents in case of Partnership firm
- k. Audited statements of accounts for the last 03 years of limited companies
- l. Any other relevant information with documents in addition to above the bidder may wish to submit
- m. Audited financial reports of last 3 years.
- n. **Bidder's Qualification Criteria:** The bidder should have at least five years of practical experience of installation of such systems and should submit the completion certificates for such project.

Note:

1. Non furnishing of any of these documents or submission in the manner other than mentioned above will automatically lead to absolute non consideration while calculating marks (out of 100, 75 marks are mandatory to qualify) and AKFCP will NOT ask for provision of above missing documents.
2. No marks shall be awarded if the relevant Annexure is not duly filled and duly signed by the authorized person



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9. Other Mandatory Requirements

- All the plants, equipment and accessories should be delivered at site and keep safe until installation. Damage to any part during delivery will be responsibility of vendor/seller and replacement will be provided at their own cost.
- Bidders are responsible for all the material to be supplied at site, installation, operational trials, proper handing over and one year of maintenance warranty.
- Training of the plant operator will be responsibility of the bidders.



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SECTION- E

1. Commercial Requirements

- **Project Timeline:** The delivery of plant at site is required within two weeks after award of contract and it must be completed in all aspects within one and half month of the award of contract.
- **Budget and Cost Breakdown**
 1. **10% Initial Payment:** Within one week of signing the contract to cover initial procurement and setup costs if supplier submit 10% of bank guarantee and submit proof of it after contract award.
 2. **20% Second Installment:** Payable after inspection of parts/ components/ factory outlet by AKFCP WASH Representative within 2-3 weeks of signing of contract.
 3. **30% Third Installment:** To be made after plant delivery at site in all aspects and respects within 4-5 weeks of signing of contract.
 4. **20% Fourth Installment:** To be made after the successful installation, testing and commissioning of the system within 6-7 weeks of signing of contract.
 5. **10% Fifth Installment:** To be made after handing over to buyer (AKFCP) after buyer's representative inspection within 8 Weeks of contract signing.
 6. **Final Payment:** Remaining 10% will be released at the end of completion of warranty period and training of Buyer's staff.



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SECTION-F

TERMS OF REFERENCES (TORs)

Background

Scope of Work

Duration/Delivery Period

The duration of the Contract is expected to be 07 Working Days from the issuance of Letter of Acceptance by AKFCP Regional WASH Team.



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SECTION- G

Annex -A

FORM OF BID

Date:

Hafsa Bashir
Community Specialist (WASH Program)
Alkhidmat Foundation Pakistan Central Punjab

Subject: SUBMISSION OF BID FOR PROVISION (SUPPLY, INSTALLATION AND OPERATION& MAINTENANCE) OF WATER FILTRATION PLANT (UF/ RO)

Dear Madam,

I the undersigned, being duly authorized to represent and act on behalf of..... Having examined the terms & conditions to Quotation Notice and Specifications of services item of the Quotation Documents, the receipt of which is hereby acknowledged we, the undersigned, offer services in conformity with the Federal laws of Pakistan and Provincial laws of Punjab and established principles/rules of AKFCP, Punjab and specifications mentioned in quotation documents and conditions of Quotation Notice for **“PROVISION (SUPPLY, INSTALLATION AND OPERATION& MAINTENANCE) OF WATER FILTRATION PLANT (UF/RO).”**

2. Our bid price shall be valid for a period of **120 days**.
3. The validity of Bid Guarantee shall be as per Quotations Documents.
4. We agree to abide by the terms & conditions of the Quotation from the date fixed for receiving the same and have no reservations to the RFQ Document and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Until a formal Letter of acceptance is placed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
6. I understand that AKFCP may cancel the bidding process at any time and that AKFCP is not bound either to accept any proposal that it may receive or to invite for the contract subject of this bidding procedure, without incurring any liability to the bidders.
7. All information submitted for bidding by bidders is subject to verification;
8. AKFCP reserves the right to amend the scope and value of any contract under this assignment
9. I understand that this Request for Quotation is without any engagement and consideration for awarding the contract.
10. AKFCP may engage other Bidders in order of Merit (preferably lowest 03 bidders at the lowest offered rates or all bidders on lowest offered rates as per operational requirement).
11. It is also admitted that AKFCP is under no circumstances bound to accept the lowest or any offer if it doesn't fulfill the mandatory qualification requirements / documents / criteria mentioned in this document.



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12. That the Contractor(s) for '**PROVISION OF WATER FILTRATION PLANT (U.F/R.O)**' may work as a non-exclusive Contractor(s) of PDMA, Punjab from the date of signing of agreement and **PROVISION OF WATER FILTRATION PLANT (U.F/R.O)** in such quantities and in such a manner as PDMA, Punjab shall direct.

13. That PDMA, Punjab expects to procure Water Filtration Plants (U.F/R.O) from the date of signing of agreement. The actual quantity to be procured will depend upon the nature of calamity/disaster.

14. That all the quoted rates are inclusive of all Taxes, Duties, Levies, Surcharges, Tolls, Liabilities, applicable at the time of bid submission.

15. That all the information provided/submitted is under Oath and is complete, true and correct in every detail and no information adversely affecting bidding process is withheld.

16. AKFCP and its authorized representative(s) may contact the following person(s) for further information, if needed;

Dated this _____ day of _____ 20__

Signature _____ in the capacity of _____ duly authorized to sign bids for and on behalf of;

Name of Bidder (in Block Letters) _____

Complete Address: _____

Telephone No.: _____

Signature & Stamp:



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Annex- B

GENERAL PARTICULARS OF APPLYING FIRM/COMPANY/CONTRACTOR

Firm's Information	
Name of Firm/Company	
Complete Postal Address	
Phone	
Contact Person / Designation	
Mobile Number	
E-Mail	
Fax Number (if Available)	
Type of Organization	
Place of Incorporation/Registration	
Year of Incorporation/Registration	
Validity	
National Tax Number	
Name, Designation and Mobile Number of Firm's Representative:	



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Annex- C

POWER OF ATTORNEY

(On a Stamp Paper of appropriate value **DULY REGISTERED**)

Know all, by these presents, we _____ (name and address of the registered office) do hereby constitute, appoint and authorize Mr./Ms. _____ R/o _____ having CNIC _____ who is presently employed with us and holding the position of _____ as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for Procurement of Water Filtration Plants and including signing and submission of all documents and providing information/ responses to AKFCP, representing us in all matters before Government of Pakistan, and generally dealing with AKFCP in all matters in connection with our request for Quotation.

Signed: _____ **Name:** _____

CNIC: _____ **Address:** _____

Date: _____ **Place:** _____

STAMP OF COMPANY



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Annex- D

FINANCIAL SOUNDNESS

Name of Firm:

Applicant applying for short listing is required to provide financial information to demonstrate that they meet the requirement of Evaluation Criteria. If necessary, use separate sheet(s) to provide complete information

Banker

Name of Banker

Address of Banker

(Attach Bank Statements at least 6 Month)

Telephone

Contact Name & Title

Fax

Telex

Summarize documented information in Pak Rupees for the previous three years:

Financials (PKR) Millions	FY 2020-21	FY 2021-22	FY 2022-23
Annual Turnover as per declared Audited Financial Statements			



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Annex-E

SUMMARY OF SIMILAR NATURE PROJECT(S) COMPLETED WITHIN LAST THREE YEARS

Name of Firm:

Name of Project	Employer Name	Financial Year of Completion	Value of Project in PKR Millions

Each project provided in this form requires a corresponding **Annex-E and adequate documentary evidence in order to be eligible for consideration.*



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Annex- F

DETAILS OF SIMILAR NATURE PROJECTS COMPLETED IN LAST THREE (03) FINANCIAL YEARS

NOTE: Attach Work Order/Completion Certificates for each project

1.	Name of Contract
	Financial Year
2.	Name of Employer
3.	Employer Address
4.	Nature of Works and special features of the contract
5.	Contract Role (Tick One) (a) Sole Contractor (b) Sub- Contractor (c) Member in a JV
6.	Value of the total contract PKR.....
7.	Date of Award
8.	Date of Completion
9.	Specific Detail for Project



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Annex -G

LITIGATION HISTORY FOR THE LAST THREE (03) YEARS

Applicants should provide information on any history of litigation or arbitration resulting from contracts executed in the three years or currently under execution with any Public/Private sector organizations.

A. Decided Litigation.

Year	Award FOR or AGAINST Applicant	Name of client, cause of litigation, and matter in dispute

B. Pending Litigation.

Year	matter in dispute



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Annex-H

AFFIDAVIT FOR NOT HAVING BEEN BLACKLISTED/BARRED/DEFAULTED) ON JUDICIAL STAMP PAPER DULY NOTORIZED)

1. The candidate firm/company/proprietor hereby declares that it has not been ever barred / blacklisted from participating in any project by any federal, provincial or local government or any government instrumentality in Pakistan.
2. The candidate firm/company/proprietor further declares that since the 5 (five) years preceding the Request for Quotation dated in newspaper/ invited by any organization it has NOT:
 - i. Failed to perform any contract, as evidenced by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Prospective Bidder as the case may be; or
 - ii. has been expelled from any project or contract by any public/private entity or authority; or
 - iii. had any contract terminated by any government or government instrumentality for breach by such Prospective Bidder.
 - iv. defaulted on any account on any previous or current contract with AKFP.
3. That any concealment or later discovery of any default, concealment or misrepresentation by any means at any later stage would automatically lead to cancellation of bid and Contract with appropriate ancillary damages as determined by AKFP.

Signed: _____ Name: _____

CNIC: _____ Address: _____

Date: _____ Place: _____



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Annex-I

INTEGRITY PACT /DISCLOSURE CLAUSE

(ON JUDICIAL STAMP PAPER DULY NOTORIZED)

The candidate firm/company / proprietor hereby declares its intention not to obtain the procurement of any Contract, right, interest, privilege or other obligation or benefit from AKFCP or any administrative sub-division or agency thereof or any other entity owned or controlled by it through any corrupt business practice.

Without limiting the generality of the forgoing the candidate firm has 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 affiliation, 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 including the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from AKFCP, except that which has been expressly declared pursuant hereto.

The Seller / Supplier / Contractor certifies that it has made and will make full disclosure of all agreements an arrangement with all persons in respect of or related to the transaction with AKFCP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

The candidate firm 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 through any of the aforesaid corrupt business practices shall with prejudice to any other right and remedies available to AKFCP under any law, contract or other instrument, be void-able at the option of AKFCP.

Notwithstanding any rights and remedies exercised by AKFCP in this regard, the Seller / Supplier / Contractor agrees to indemnify AKFCP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Government of Pakistan in any amount equivalent to twenty time the sum of any commission, gratification, brief, finder's fee or kickback given by the Seller / Supplier / Contractor as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever from AFCP.

Signed: _____ **Name:** _____

CNIC: _____ **Address:** _____

Date: _____ **Place:** _____



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Annex-J

Table: Technical Specifications of Ultra Filter Plant

1 Ton UF Water Filtration Plant Specifications						
Sr. #	Item Description	Specification	Material of Construction (MOC)	Make	Origin	Qty
1	Feed Pump	5 m ³ /hr @ 40 meters	SS316	CNP	China	1 No
2	Raw Water Tank	Tank Volume 500 Gallons	HDPE	Local	Local	1 No
3	Product Supply Pump	2 m ³ /hr @ 38 meters	SS 316	CNP	China	1 No
4	Product Supply Tank	Tank Volume 500 Gallons	HDPE		Local	1 No
3	Anti-Scalant Dosing Pump	5 Lit/hr @ 4 Bar, Diaphragm Solenoid	Special Corrosion Resistant Material	Jesco	Germany	1 No
4	Anti-Scalant Dosing Tank	Tank Volume 80 Liters	HDPE	Local	Local	1 No
5	UF Membrane	Hollow Fiber Membrane, 0.01 Micron Pore	Composite Polyamide	Hydranautics	USA/Holland	2 No
6	Membrane Housing	8-inch Dia, 300 psi	FRP	Wave Cyber	China	2 No
7	Activated Carbon Filter Vessel	16" x 65", 150 PSI	FRP	Wave Cyber	China	1 No
8	AG Plus Filter Vessel	16" x 65", 150 PSI	FRP	Wave Cyber	China	1 No
9	AG Plus Media, Gravel and Sand	0.55 mm, 3-7 mm, 1-1.5 mm	Quartz/USA	Local/USA	USA/Local	1 Set
10	Activated Carbon	Granular, Coconut Shell, 0.8 - 1.2 mm	High-Quality Coconut Shell	USA	USA	1 Set
11	UV Disinfection Lamp	Philips 25W	SS316	Philips	Taiwan	1 No
12	UV Lamp Housing	Stainless Steel 316	SS316	Local	Local	1 No
13	Pressure Gauges	Size 2.5", Bottom Mounted	SS316	Wika	Germany	10 No
14	Flow Meter	Rota Type	PVC	King Tai	Germany	2 No
15	Filter Housing 5 Micron	Cartridge Filter Length Size 20"	PVC	Taiwan	Taiwan	1 No
16	Filter Housing 0.2 Micron	Cartridge Filter Length Size 20"	PVC	Taiwan	Taiwan	1 No
17	Control Panel	NEMA 4, Powder Coated Carbon Steel	Powder Coated Steel	Local	Local	1 No
18	Automatic Valve	Automatic	Brass	Japan/USA/Holland/Germany	Japan/USA/Holland/Germany	1 No
19	Pressure Switch	Digital	Brass	Danfoss	Denmark	1 No
20	Hour Meter	Analog, HP Pump	Brass	Germany/Japan	Germany/Japan	1 No



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21	Filling Points	Filling Points 04 Nos	SS304 SCH 340	Local	Local	4 No
22	PVC Piping	Low Pressure PVC SCH 80	PVC	Local	Local	1 Set
23	Plane Frame Skid	Base Support	CS Enamel	Local	Local	1 No
24	Arsenic Media					1 No
25	PLC HMI Panel	Digital				1 No
26	Transport and Labour Work	Complete Assembly and Installation Scope	-	Local	Local	1 Job



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Table: Technical Specifications and Procurement Requirements for RO Filter Plant

Material & Specification R.O Water Filtration Plant 1000 Liters/Hour						
#	Item Description	Specification	MOC	Make	Origin	Qty.
1	RO Membranes	Brackish Water Membranes, Spiral Wound	Composite Polyamide	Hydranautics/ Filmtech	USA/Holland	02 No.
2	Membrane Housing	8 inch Dia with 20.4 bar(300 psi)	FRP	CCK	Taiwan	02 No
3	AG Plus Filter Vessel	16 x 65", 150 PSI	FRP	Wave cyber	China	01 No
4	Activated Carbon Filter Vessel	16 x 65", 150 PSI	FRP	Wave cyber	China	01 No
5	Arsenic Vessel with bag					01 No
6	Multiport Valve		PP	Pell	China	02 No
7	Automatic Valve	Automatic			Germany/ Japan/ USA	01 No
8	High Pressure Pump	5.5 m ³ /hr @ 110 meters	SS 316	CNP	China	01 No
9	Feed Pump	5 m ³ /hr @ 40 meters	SS 316	CNP	China	01 No
10	Dosing Pump For Anti-Scalant	5 Lit/h @ 4 Bar, Diaphragm Solenoid Driven Pump	Special Corrosion Resistant material	Jesco	Germany	01 No
11	Product Supply Pump	2 m ³ /hr @ 38 meters	SS 316	CNP	China	01 No
12	Anti-Scalant Dosing Tank	Tank Volume 80 Ltrs	HDPE (2-Ply Pure Dana)		Local	01 No
13	Raw Water Tank	Tank Volume 500 Gallons	HDPE (3-Ply Pure Dana)		Local	01 No
14	Product Water Tank	Tank Volume 500 Gallons	HDPE		Local	01 No
15	Cleaning Tank	Tank Volume 50 Gallons	HDPE		Local	01 No
16	Filter Housing 5 micron	Cartridge Filter Length Size 20"	PVC		Taiwan	01 No
17	Filter Housing 0.2 micron	Cartridge Filter Length Size 20"	PVC		Taiwan	01 No
18	Flow Meter	Rota Type	PVC	King Tai	Germany	02 No
19	TDS Meter				Taiwan	01 No
20	Hour Meter	Analogue, HP Pump			Germany/ Japan	01 No
21	Temperature Indicator					01 No
22	Activated Carbon	Granular, Coconut Shellbased 0.8 - 1.2mm	Corporation		USA	
23	AG Plus Media, Gravel, and Silica Sand	0.55 mm, 3-7 mm, 1-1.5 mm respectively			Local	
24	Ultraviolet Lamp	Philips		Philips	China	01 No
25	UV Lamp Housing		SS 316		Taiwan	01 No
26	Pressure Gauges	Size 2.5", Bottom Mounted	SS	Wika	Germany	10 No



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27	Pressure Switch	Digital		Danfoss	Denmark	02 No
28	Level Switch	Float Type			Local	02 No
29	Pressurized Flushing Nozzle		SS			04 No
30	Filling Points	Filling Points 04 Nos	SS 304 Sch 340	Local	Local	04 No
31	Filling Tables	Digital			Japan	01 No
32	Plane Frame Skid		CS Enamel	local	local	01 No
33	Invertor for High Pressure Pump	5.5 KW			Japan/ Germany/ USA	01 No
34	Control Panel	NEMA 4	Powder Coated Carbon Steel			01 No
35	PLC HMI Panel	Digital			PLC- Japan HMI- Taiwan	01 No
36	Breaker	Digital			Japan/ USA/ Germany/ France	01 No
37	PVC Piping	Low Pressure PVC SCH 80				01 No
38	Fittings		Zink planted			01 No
39	Transport and Labour Work	I.P. Scope		Local	Local	01 No



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Annex-K

Water Quality Reports

GOVERNMENT OF PAKISTAN
MINISTRY OF WATER RESOURCES
PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES
WATER QUALITY LABORATORY SAHIWAL
330/331 BILAL COLONY JHALL ROAD SAHIWAL. PHONE # 040-930330

Report Serial No		Chem-	Total No. of Pages		01
Client Name & Address		All Khidmat Foundation (Chichawatni)			
Sampling Date		15/08/24		Source	Ground water
Sample Code.		PCRWR/SWI/24/181		Location	Chichawatni
Temperature of sample at receipt °C		28°C		Sample Receipt Date	
Date (s) of Analysis		15/08/24		Reporting Date	26/08/24

PHYSICAL & AESTHETIC PARAMETERS

Sr. #	Water Quality Parameter	Units	Det. Limit	Reference Method	Permissible Limits (PSQCA/NSDWQ, 2010)	Results	Measurement Uncertainty
92.	Color	-	-	Sensory evaluation	Colorless	Colorless	
93.	Electrical Conductivity	(µS/cm)	0.11	APHA, 22 nd Edition	NGVS	1300	
94.	pH	-	0.03	APHA, 22 nd Edition	6.5-8.5	7.5	
95.	Turbidity	NTU	0.31	APHA, 22 nd Edition	<5	BDL	

MAJOR CHEMICAL PARAMETERS

Sr. #	Water Quality Parameter	Units	Det. Limit	Reference Method	Permissible Limits (PSQCA/NSDWQ, 2010)	Results	Measurement Uncertainty
96.	Alkalinity as CaCO ₃	ppm	-	APHA, 22 nd Edition	NGVS	5.9	
97.	Bicarbonate	ppm	5.0	APHA, 22 nd Edition	NGVS	299	
98.	Calcium	ppm	2.0	APHA, 22 nd Edition	NGVS	55	
99.	Carbonate	ppm	5.0	APHA, 22 nd Edition	NGVS	Nil	
100.	Chloride	ppm	2.0	APHA, 22 nd Edition	250	122	
101.	Hardness	ppm	5.0	APHA, 22 nd Edition	500	265	
102.	Magnesium	ppm	1.0	APHA, 22 nd Edition	NGVS	30.1	
103.	Potassium	ppm	0.02	APHA, 22 nd Edition	NGVS	8.5	
104.	Sodium	ppm	1.57	APHA, 22 nd Edition	NGVS	173	
105.	Sulfate	ppm	0.24	APHA, 22 nd Edition	NGVS	164	
106.	Nitrate (N)	ppm	0.03	APHA, 22 nd Edition	10	0	
107.	TDS	ppm	-	APHA, 22 nd Edition	1000	832	
108.	Arsenic	ppb		AAS	50	19.7	

MICROBIOLOGY

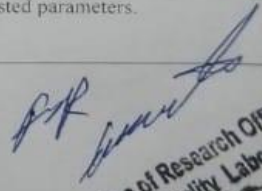
Sr. #	Parameter	Results	Measurement Uncertainty
18	Total Coliform	Absent	
19	Fecal Coliform	Nil	
20	E.Coli	Nil	

Note: Sample is Collected by the client

NGVS: No Guideline Value Set WHO: World Health Organization, APHA: American Public Health Association, BDL: Below Detection Limit, QC: Quality Control CSS: Customer Service Section, PSQCA: Pakistan Standard Quality Control Authority, NEQS: National Environment Quality Standards, NSDWQ: National Standard for Drinking Water Quality

Interpretation and Recommendations

Quality of Water	✓ Safe	Unsafe
Remarks (if any)	Sample is found safe for the tested parameters.	


 Office of Research Officer
 Water Quality Laboratory
 PCRWR, Sahiwal



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WATER QUALITY LABORATORY
Government of Pakistan
Ministry of Water Resources
Gulshan Iqbal Park Opposite Hockey Stadium
SIALKOT

Client Code.		Date of Collection	16-09-2024	Temp°C	25°C
Lab Code	SWQL-684/24	Date of Analysis	18-09-2024	Source	Ground Water
Client Name	Mr.Tanveer Sb	Date of Report	18-09-2024	-	-
Location	Markaz Jamat-e-Islami Pasrur.				

Sr. #	Water Quality Parameter	Highest Desirable Level	Results
01	Coliforms.	Absent	Absent
02	Bicarbonate (mg/l)	NGVS	450.0
03	Alkalinity (m.mol/l)	NGVS	9.0
04	Carbonate (mg/l)	NGVS	Nil
05	Chloride(mg/l)	250 (WHO)	212.0
06	Colour(TCU)	15 (WHO)	Colorless
07	Conductivity(micro-S/cm)	NGVS	1496.0
08	Hardness(mg/l)	500 (WHO)	520.0
09	Magnesium(mg/l)	150 (WHO)	35.09
10	Odor	Odorless	Odorless
11	PH	6.5-8.5(WHO)	7.92
12	Potassium(mg/l)	12 (EC)	3.2
13	Sodium(mg/l)	200 (WHO)	143.0
14	Sulfate(mg/l)	250 (WHO)	100.0
15	TDS (mg/l)	1000 (WHO)	898.0
16	Turbidity (NTU)	5 (WHO)	0.8
17	Nitrate(mg/l)	10 (WHO)	6.0
18	Calcium (mg/l)	75 (KSA)	150.0
19	Taste	Un-Objection	Un-Objection

Abbreviations:

NGVS No Guideline Value Set

KSA Saudi Arabian standards

WHO World Healths Organization

EC European Community

BDL below Detectable Limit

Terms and Conditions

- The results of the laboratory analysis reported by PCRWR are verified as accurate and authentic only for the parameters tested. Analysis report is not valid for court use or business publicity. In case of any dispute in connect with authenticity of the report, the laboratory record of the analysis will be considered final.
- PCRWR does not accept any responsibility regarding accuracy of sample collection procedures if collected by the



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Client Code.		Date of Collection	16-09-2024	Temp ^o C	25 ^o c
Lab Code	SWQL-716/24	Date of Analysis	04-10-2024	Source	Ground Water
Client Name	Mr.Tanveer Sb	Date of Report	05-10-2024	-	-
Location	Markaz Jamat-e-Islami Pasrur.				

Sr. #	Water Quality Parameter	Highest Desirable Level	Results
01	Arsenic(ppb)	10(WHO)	4.5

Abbreviations:

NGVS No Guideline Value Set
EC European Community

KSA Saudi Arabian standards
BDL below Detectable Limit

WHO World Health Organization

Terms and Conditions

- The results of the laboratory analysis reported by PCRWR are verified as accurate and authentic only for the parameters tested. Analysis report is not valid for court use or business publicity. In case of any dispute in connection with authenticity of the report, the laboratory record of the analysis will be considered final.
- PCRWR does not accept any responsibility regarding accuracy of sample collection procedures if collected by the client.
- PCRWR will not be responsible for loss or damage to samples in its possession for reasons beyond its control.
- PCRWR reserves the right to accept or reject samples for analysis without assigning any reason.

Remarks: : Found to be fit for drinking purpose on the basis of analysed parameters.

Prepared by

Mr. Zahid Mehmood
(Lab Assistant)

Counter Signed by

Mr. Tajammal Hussain
(Research Officer)
Tajammal Hussain
Research Officer PC RWR,
Water Quality Laboratory Sialkot





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	PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES	
	Ministry of Water Resources, Government of Pakistan Regional Office: 6.4 Km, Main Raiwind Road, Lahore Tel & Fax 042-35320484 www.pcrwr.gov.pk	
WATER QUALITY TEST REPORT		

راؤ خان اورل

Client Name	Mr. Muhammad Riaz		
Address:	-----		
Client Code	Khalid Home - Kasur	Sample Collection Date	05-07-2024
Sample Provided/Collected By:	Client	Sample Receiving Date	05-07-2024
Sample Source	Bore Water -75ft	Reporting Date	24-07-2024
Temperature of Lab °C	23-26°	Sample Code	RWQL-905-24

PHYSICAL & AESTHETIC PARAMETERS

Sr. #	Water Quality Parameter	Units	Det. Limit	Reference Method	Permissible Limits (PSQCA/NSDWQ, 2010)	Results
1.	Color	-	-	Sensory evaluation	Colorless	Colorless
2.	Electrical Conductivity	(µS/cm)	0.11	APIIA, 22 nd Edition	NGVS	7500
3.	pH	-	0.03	APHA, 22 nd Edition	6.5-8.5	7.00
4.	Turbidity	NTU	0.31	APHA, 22 nd Edition	<5	3.28

MAJOR CHEMICAL PARAMETERS

Sr. #	Water Quality Parameter	Units	Det. Limit	Reference Method	Permissible Limits (PSQCA/NSDWQ, 2010)	Results
1.	Alkalinity as CaCO ₃	ppm	-	APHA, 22 nd Edition	NGVS	15
2.	Bicarbonate	ppm	5.0	APHA, 22 nd Edition	NGVS	750
3.	Calcium	ppm	2.0	APHA, 22 nd Edition	NGVS	88
4.	Carbonate	ppm	5.0	APHA, 22 nd Edition	NGVS	Nil
5.	Chloride	ppm	2.0	APHA, 22 nd Edition	250	960
6.	Hardness	ppm	5.0	APHA, 22 nd Edition	500	950
7.	Magnesium	ppm	1.0	APHA, 22 nd Edition	NGVS	177
8.	Potassium	ppm	0.02	APHA, 22 nd Edition	NGVS	15
9.	Sodium	ppm	1.57	APHA, 22 nd Edition	NGVS	1280
10.	Sulfate	ppm	0.24	APHA, 22 nd Edition	NGVS	1560
11.	Nitrate (N)	ppm	0.03	APHA, 22 nd Edition	10	6.80
12.	TDS	ppm	-	APHA, 22 nd Edition	1000	4561

TRACE & ULTRA-TRACE ELEMENTS

Sr. #	Water Quality Parameter	Units	Det. Limit	Reference Method	Permissible Limits (PSQCA/NSDWQ, 2010)	Results
1.	Arsenic	ppb	0.13	APHA, 22 nd Edition	50	6.29

NGVS: No Guideline Value Set WHO: World Health Organization APIIA: American Public Health Association, BDL: Below Detection Limit, QC: Quality Control CSS: Customer Service Section,

Interpretation

Quality of Water	Safe <input type="checkbox"/>	Unsafe <input checked="" type="checkbox"/>
Remarks (if any)	Sample is found UnSafe due to highlighted parameters.	

Terms & Conditions:

- Test results in this report relate only to the test item/sample submitted and tested.
- The test report shall not be reproduced except in full, without written approval of RWQL-24PCRWR
- Water Quality Parameters exceeding the WHO Drinking Water Guideline values (Guidelines for Drinking-Water Quality, third editions, 2004) are highlighted.

Prepared by		Countersigned By (Lab In-Charge)	
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Annex- L

CHECKLIST (TICK RELEVANT COLUMN)

Attested Copy of the Valid CNIC of Bidder	Yes	No
Company / Firm Certificate of Registration	Yes	No
Company / Firm valid registration with Pakistan Engineering Council (PEC), Income Tax Department (NTN Certificate) and GST	Yes	No
Original Bank statement for last 6 month with bank original covering letter duly stamped and signed	Yes	No
List of similar works completed during last 05 years indicating total cost of such works.	Yes	No
ATTESTED copies of all registration certificates and supporting documents as required in this document	Yes	No
Audited statements of accounts for the last 3 years for limited companies	Yes	No
Annex A to Annex L along with all requisite and supporting documents are duly filled and signed as specified	Yes	No