



# **TENDER DOCUMENT**

**FOR**

**SUPPLY OF ULTRA FILTARTION PLANTS FOR PROVISION OF SAFE DRINKING  
WATER TO THE FLOOD AFFECTED VULNERABLE COMMUNITIES IN SINDH AND  
BALUCHISTAN IN COLLABRATION OF UNICEF**

**“An EMERGENCY FLOOD RESPONSE”**

**PAKISTAN COUNCIL OF RESEARCH IN WATER  
RESOURCES MAIN UNIVERSITY ROAD, KARACHI**

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## TABLE OF CONTENTS

ClauseNo.	Description	PageNo.
	A. GENERAL	03
IT-1.	Scope of Tender & Source of Funds	03
IT-2.	Eligible Tenderers	03
IT-3.	Cost of Tendering	03
	B. TENDER DOCUMENTS	04
IT-4.	Contents of Tender Documents	04
IT-5.	Clarification of Tender Documents	04
IT-6.	Amendment of Tender Documents	04
	C-PREPARATION OF TENDER	05
IT-7.	Language of Tender	05
IT-8.	Documents Comprising the Tender	05
IT-9.	Sufficiency of Tender	05
IT-10.	Tender Prices, Currency of Tender & Payment	05
IT-11.	Documents Establishing Tenderer's Eligibility and Qualifications	06
IT-12.	Documents Establishing Works Conformity to Tender Documents	06
IT-13.	Tender Security	06
IT-14.	Validity of Tenders, Format and Signing of Tender	07
	D-SUBMISSION OF TENDER	07
IT-15.	Deadline for Submission modification & withdrawal of Tenders	07
	E. TENDER OPENING AND EVALUATION	08
IT-16.	Tender Opening, clarification & Evaluation	08
IT-17.	Process to be Confidential	10
	F. AWARD OF CONTRACT	10
IT-18.	Post-Qualification	10
IT-19.	Award Criteria & Employer's Right	10
IT-20.	Notification of Award & Signing of Contract Agreement	11
IT-21.	Performance Security	11
	G. TENDERING DATA	12
IT-22.	Tendering data	12
IT-23.	Instructions to Tenderers	16
IT-24.	Forms of Tender and Schedules/BOQs to Tender	20

## **INSTRUCTIONSTOTENDERERS**

(Note: These Instructions alongwith Tendering Data will not be part of Contract and will cease to have effect once the Contract is signed).

### **A. GENERAL**

#### **IT.1 Scope of Tender & Source of Funds**

##### **1.1 Scope of Tender**

The Regional Director, PCRWR Regional Office, Karachi wish to receive tenders for the “SUPPLY OF ULTRA FILTARTION PLANTS FOR PROVISION OF SAFE DRINKING WATER TO THE FLOOD AFFECTED VULNERABLE COMMUNITIES IN SINDH & BALUCHISTAN IN COLLABRATION OF UNICEF”

Tenderers should quote for the most up-to-date model of equipments/ instruments with accessories, consumables and country of origin.

The bids must be quoted in Pak Rupees on FOR basis/FOR (Free delivery and Installation at specified Areas in Sindh & Baluchistan) and submitted to the undersigned by **22 September , 2022 at 11:00 Hrs.**

The tenders will be opened on the same dateat11:30 hrs.

##### **1.2 Source of Funds**

The Employers have arranged funds from UNICEF funded project “PROVISION OF SAFE DRINKING WATER TO THE FLOOD AFFECTEES IN SINDH & BALUCHISTAN :FLOOD RESPONSE ACTIVITIES.

#### **IT.2 Eligible Tenderers**

- 2.1 Tendering is open to all the eligible firms and persons. The tenderer /contractor should have the financial, technical capabilities necessary to supply & Installation of required Ultra Filtration Plants, Operation & maintenance indicated in the Tendering data, after sales services and designated engineers/technicians.

#### **IT.3 Cost of Tendering**

- 3.1 The tenderer shall bear all costs associated with the preparation and submission of its tender and PCRWR will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

## **B. TENDER DOCUMENTS**

### **IT.4 Contents of Tender Documents**

- 4.1 The Tender Documents are those stated below and should be read in conjunction with any Addendum issued in accordance with Clause IT.6.1.
1. Instructions to Tenderers & Tendering Data
  2. Forms of Tender
  3. Standard Forms:
    - (i) Form of Performance Security
    - (ii) Form of Contract Agreement
  4. Specification

### **IT.5 Clarification of Tender Documents**

- 5.1 A prospective tenderer requiring any clarification(s) in respect of the Tender Documents may notify the Regional Director, PCRWR Regional Office Karachi at the address indicated in the Tendering Data.
- 5.2 The PCRWR will respond to any request for clarification which it receives prior to the deadline for the submission of tenders. Copies of the response will be forwarded to all prospective tenderers, prior to dead line for submission of Tenders, who have received the Tender Documents including a description of the enquiry but without identifying its source.

### **IT.6 Amendment of Tender Documents**

- 6.1 At any time prior to the deadline for submission of tenders, the Regional Director, PCRWR Regional Office Karachi may, for any reason, whether at his own initiative or in response to a clarification requested by a respective tenderer, modify the Tender Documents by issuing addendum.
- 6.2 Any addendum thus issued shall be part of the Tender Documents pursuant to Sub-Clause 6.1 here of, and shall be communicated in writing to all purchasers of the Tender Documents. Prospective tenderers shall acknowledge receipt of each addendum in writing to the Regional Director, PCRWR Regional Office Karachi.
- 6.3 To afford prospective tenderers reasonable time in which to take an addendum in to account in preparing their tenders, the Regional Director PCRWR, may extend the deadline for submission of tenders.

## C. PREPARATION OF

### TENDERSIT.7

### Language of Tender

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

### IT.8 Documents Comprising the Tender

8.1 The tender prepared by the tenderer shall comprise the following components:

- (a) Covering Letter
- (b) Form of Tender duly filled, signed and sealed, in accordance with Clause IT.14.3.
- (c) Tender Security furnished in accordance with Clause IT.13.
- (d) Power of Attorney in accordance with Clause IT.14.5.
- (e) Documentary evidence in accordance with Clause IT.12.
- (f) Documentary evidence in accordance with Clause IT.12.

### IT.9 Sufficiency of Tender

9.1 Each tenderer shall satisfy himself before Tendering as to the correctness and sufficiency of his Tender and of the rates and prices entered in the Price Schedule, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper supply of.

9.2 The tenderer is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the tender and entering into a Contract for execution of the Works.

### IT.10 Tender Prices, Currency of Tender and Payment

10.1 The tenderer shall fill up the schedule of prices (BOQ/Schedule) indicating the unit rates and prices of the works to be performed under the contract. Prices on the schedule of prices /BOQs shall be entered keeping in view the instructions contained in the preamble to the schedule of prices.

10.2 Unless otherwise stipulated in the conditions of contract, prices quoted by the tenderer shall remain fixed during the tenderer's performance of the contract and not subject to variation on any account.

10.3 The unit rates and prices in the schedule of prices shall be quoted by the tenderer in the currency as stipulated in Tendering Data/Document.

10.4 **The tenderer will provide the total cost indicating all applicable taxes.**

### **IT.11.DocumentsEstablishingTenderer'sEligibilityandQualifications**

- 11.1 Pursuant to Clause IT.8, the tenderer shall furnish, as part of its tender, documents establishing the tender's eligibility to tender and its qualifications to perform the Contract if its tender is accepted.
- 11.2 Tenderer must possess and provide evidence of the experience as stipulated in Tendering Data.

### **IT.12.DocumentsEstablishingWorksConformitytoTenderDocuments**

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

### **IT.13TenderSecurity**

- 13.1 Each tenderer shall furnish, as part of his tender, a Tender Security of 2% of the bid price in Pak. Rupees in the form of a Bank Guarantee issued by a Scheduled Bank in Pakistan in favor of the Employer **“Incharge PCRWR Regional Office Karachi”** valid for a period of 1 month (minimum) beyond the tender validity date.
- 13.2 AnytendernotaccompaniedbyanacceptableTenderSecurityshallberejectedbythePCRWRas non-responsive.
- 13.3 The tender securities of unsuccessful tenderers will be returned upon award of contract to the successful tenderer or on the expiry of validity of Tender Security whichever is earlier.
- 13.4 The Tender Security of the successful tenderer will be returned when the tenderer has furnished the required Performance Security, pursuant to Clause IT.21 and signed the Contract Agreement, pursuant to Clause IT.20.2.

#### **13.5 The Tender Security may be forfeited:**

- (a) If a tenderer withdraws his tender during the period of tender validity;
- (b) if a tenderer does not accept the correction of his Tender Price, pursuant to Sub-Clause 16.4 (b) hereof; or
- (c) in the case of a successful tenderer, if he fail to:
  - (i) furnish the required Performance Security in accordance with Clause IT.21, or
  - (ii) sign the Contract Agreement, in accordance with Clause IT.20.2

#### **IT.14 Validity of Tenders, Format, Signing and submission of Tender**

- 14.1 Tenders shall remain valid for the period of 120 days as stipulated in the Tendering Data after the date of tender opening.
- 14.2 All Schedules to Tender are to be properly completed and signed.
- 14.3 No alteration is to be made in the Form of Tender except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the tender may be rejected.
- 14.4 Each tenderer shall prepare Original and number of copies specified in the Tendering Data of the documents comprising the tender as described in Clause IT.8 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- 14.5 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign (in the case of copies, Photostats are also acceptable). This shall be indicated by submitting a written Power of Attorney authorizing the signatory of the tenderer to act for and on behalf of the tenderer. All pages of the tender shall be initialized and official seal be affixed by the person or persons signing the tender
- 14.6 The Tender shall be delivered in person or sent by registered mail at the address to employer as given in Tendering Data.

#### **D-SUBMISSIONOFTENDER**

#### **IT.15 Deadline for Submission, Modification & withdrawal of Tenders**

- 15.1 Tenders must be received by the PCRWR at the address/provided in Tendering Data not later than the time and date stipulated therein.
- 15.2 Tenders submitted through telegraph, telex, fax ore-mail shall not be considered.
- 15.3 Any tender received by the PCRWR after the date and time of tender opening prescribed in Tendering Data will be returned unopened to such tenderer.
- 15.4 Any tenderer may modify or withdraw his/her tender after tender submission provided that written notice of the modification or withdrawal is received by the PCRWR prior to the deadline for submission of tenders.
- 15.5 No tender may be modified by a tenderer after the deadline for submission of tenders. Withdrawal of a tender during the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified in the Form of Tender may result in forfeiture of the Tender Security pursuant to Clause IT.13.5(a).

## **E. TENDER OPENING AND EVALUATION**

### **IT.16 Tender Opening & Clarification and Evaluation**

16.1 The PCRWR will open the tenders, in the presence of tenderers' representatives who choose to attend, at the time, date and location stipulated in the Tendering Data.

16.2 The tenderer's name, Tender Prices, any discount, the presence or absence of Tender Security, and such other details as the Regional Director, PCRWR Regional Office Karachi, at its discretion may consider appropriate, will be announced by the PCRWR at the time of tender opening.

Any Tender Price or discount which is not read out and recorded at tender opening time will not be taken into account in the evaluation of tender.

16.3 To assist in the examination, evaluation and comparison of Tenders the PCRWR may at its discretion ask the tenderer for a clarification of its Tender. The request for clarification and the response shall be in writing and no change in the price or substance of the Tender shall be sought, offered or permitted.

16.4 (a) Prior to the detailed evaluation, pursuant to Sub-clause IT.16.7 to 16.9, the PCRWR will determine the substantial responsiveness of each tender to the Tender Documents. For purpose of these Clauses, a substantially responsive tender is one which conforms to all the terms and conditions of the Tender Documents without material deviations. It will include determining the requirements listed in Tendering data.

(b) Arithmetical errors will be rectified on the following basis:

If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Tender price entered in Form of Tender and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Tender will be corrected by the PCRWR in accordance with the Corrected Schedule of Prices.

If the tenderer does not accept the corrected amount of Tender, his Tender will be rejected and his Tender Security forfeited.

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

16.6 Any minor informality or non-conformity or irregularity in a Tender which does not constitute a material deviation may be waived by PCRWR, provided such



Waiver does not prejudice or affect the relative ranking of any other tenderers.

- 16.7 The Regional Director, PCRWR Regional Office Karachi PCRWR will evaluate and compare only the tenders previously determined to be substantially responsive pursuant to Sub-clauses IT.16.4 to 16.6. as per requirements given hereunder. Tenders will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Tender Price pursuant to Sub-Clause 16.8 here in below.

(a) Technical Evaluation

It will be examined in detail whether the items offered by the tenderer complies with the Technical Provisions of the Tender Documents. For this purpose, the tenderer's data submitted will be compared with technical features/criteria of the Tendering Data detailed in the Technical Provisions. Other technical information submitted with the tender regarding the Tendering Data will also be reviewed.

(b) Commercial Evaluation

It will be examined in detail whether the tenders comply with the commercial/contractual conditions of the Tender Documents. It is expected that no major deviation/stipulation shall be taken by the tenderers.

16.8 Evaluated Tender Price

In evaluating the tenders, the Regional Director, PCRWR Regional Office Karachi will determine for each tender in addition to the Tender Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Tender Price:

- (i) making any correction for errors pursuant to Sub-Clause 16.4 hereof.
- (ii) making an appropriate price adjustment for any other acceptable variation or deviation.
- (iii) making an appropriate price adjustment for Deviations in terms of payments (if any and acceptable to Regional Director, PCRWR).

16.9 Evaluation Methods

The bids would be evaluated based up on following:

- Technical soundness (50%)
  - 50marks for relevant experience for the last three years.
  - 30 marks for relevant manpower/technical hands
  - 20 marks for relevant equipment/machinery/.
- Financial (50%)
  - Lowest price: 100marks
  - 2<sup>nd</sup> lowest: 90 marks

- 3<sup>rd</sup> lowest:80 marks
- Further lowest bidder will be ranked with 10 less marks in descending order

The tenderer/ bidder will provide past performance of the last 3 years along with supporting documents (work orders and performance certificates) and current commitments for technical scrutiny.

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

(i) Price Adjustment for Technical Compliance

The cost of making good any deficiency resulting from technical non compliance will be added to the Corrected Total Tender Price for comparison purposes only. The adjustments will be applied taking the highest price quoted by other tenderers being evaluated in detail in their original Tenders for corresponding item. In case of non-availability of price from other tenderers, the price will be estimated by the Regional Director, PCRWR Regional Office Karachi.

(ii) Price Adjustment for Commercial Compliance

The cost of making good any deficiency resulting from any quantifiable variations and deviations from the Tender Schedules and Conditions of Contract, as determined by the Regional Director, PCRWR Regional Office Karachi will be added to the Corrected Total Tender Price for comparison purpose only. Adjustment for commercial compliance will be added to the Corrected Total Tender Prices.

(iii) Price Adjustment for Deviation in Terms: If Payments Refer to Tendering Data

#### **IT.17 Processtobe Confidential**

17.1 Subject to Clause IT.16.3 here to fore, no tenderer shall contact the Regional Director, PCRWR Regional Office Karachi on any matter relating to its Tender from the time of the Tender opening to the time the Contract is awarded.

17.2 Any effort by a tenderer to influence the Regional Director, PCRWR Regional Office Karachi, in the Tender evaluation, Tender comparison or Contract Award decisions may result in the rejection of his/her Tender.

### **F. AWARD OF CONTRACT**

#### **IT.18.Post-Qualification**

- 18.1 In the absence of pre-qualification, the Regional Director, PCRWR Regional Office Karachi will determine to its satisfaction whether the substantially responsive, fulfilling technical requirements and is the lowest evaluated tenderer is qualified to satisfactorily perform the Contract.
- 18.2 The determination will take into account the tenderer's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the tenderer's qualifications submitted under Clause IT.11, as well as such other information as the Regional Director, PCRWR Regional Office Karachi deems necessary and appropriate.

#### **IT.19 Award Criteria & Employer's Right**

- 19.1 Subject to Sub-clause IT.19 .2, the Regional Director, PCRWR Regional Office Karachi will award the Contract to the tenderer whose tender has been determined to be substantially responsive to the Tender Documents fulfilling all technical specification and who has offered the lowest evaluated Tender Price, provided that such tenderer has been determined to be qualified to satisfactory perform the Contract in accordance with the provisions of Clause IT. 18.
- 19.2 Notwithstanding Sub-clause IT.19.1,the Regional Director, PCRWR Regional Office Karachi reserves the right to accept or reject any tender, and to annual the tendering process and reject all tenders, at any time prior to award of Contract, without there by incurring any liability to the affected tenderers or any obligation to inform the affected tenderers of the grounds for the PCRWR's action.

#### **IT.20 Notification of Award & Signing of Contract Agreement**

- 20.1 Prior to expiration of the period of tender validity prescribed by the PCRWR, the PCRWR will notify the successful tenderer in writing ("Letter of Acceptance") that *his/her* tender has been accepted.
- 20.2 Within 3 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the PCRWR will send the successful tenderer the Form of Contract Agreement provided in the Tender Documents, incorporating all agreements between the parties.

#### **IT.21 Performance Security**

- 21.1 The successful tenderer shall furnish to the PCRWR a Performance Security in the form and the amount stipulated in the Conditions of Contract within a period of 07 days after the receipt of Acceptance.
- 21.2 Failure of the successful tenderer to comply with the requirements of Sub-clauses IT.20.1 & 20.2 or clause 21 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security.

## IT.22G.Tendering Data

### SCOPE OF SUPPLY, INSTALLATION & OPERATION OF ULTRA FILTRATION PLANT

<b>Filtration Plant for Provision of Safe Drinking Water to The Flood Affectees in Sindh And Baluchistan</b>				
<b>S.N</b>	<b>Particulars</b>	<b>Unit (Nos)</b>	<b>Unit Price (PKR) with Taxes</b>	<b>Amount (PKR)</b>
<b>1</b>	<b>FILTRATION PLANT (20000GPD) (BOQ, Annexure I)</b>			
1.1	Supply and Installation of Ultra Filtration Plant 20000 GPD Per day (800 gallons per hr), filtration/ treatment of flood water complete in all respect	1		
1.2	Supply & Installation of Petrol Generator 5. KW, 220 Volt, sound less, China / equivalent			
1.3	Supply / development/ fittings of water collection point Tape header with 03-04 Taps 01 No., Flexible pipes and fittings from feed water source to Plant, Fittings from product water to storage tank / water collection point, Iron stand/base (36"x36"x40") 01 No. for placement of product water tank	1		
<b>2.</b>	<b>OPERATION/RUNNING COST 2000GPD (BOQ, Annex-II)</b>			
2.1	Plant mobilization cost with providing of suitable vehicle (Shehzore type) for movement of filtration plant with all accessories/ equipments approximately 100-130km distance coverage on daily basis, along with full time driver (24hrs) field stay, with POL/Fuel and maintenance of vehicle ( <b>monthly charges</b> ).	1		
2.2	Operation/Running cost of plant providing trained technician/ operator 01 No., for the operation & maintenance of ultra filtration plant with necessary R&M, change of filters, cleanings, chlorination (back washing) etc full time ( <b>monthly charges</b> ).	1		
<b>Total (PKR Rs.) Including Taxes</b>				
<b>3</b>	<b>Portable Solarized Ultra Filtration System (5000GPD) (BOQ, Annexure III)</b>			
3.1	Portable Solarized Ultra filtration system 5000 GPD (1200-1500 gallons per day (5-6 hrs sunshine hours) flood water filtration	1		

3.2	Plant mobilization cost with providing a suitable vehicle (Suzuki Shehzore type) for movement of filtration plant with all accessories/ equipments approximately 100-130km distance coverage on daily basis, along with full time driver (24hrs) field stay, with POL/Fuel and maintenance of vehicle ( <b>monthly charges</b> ).	1		
	Operation/Running cost of plant providing trained technician/ operator 01 No., for the operation & maintenance of ultra filtration plant with necessary R&M, change of filters, cleanings, chlorination dosing, recharge of membrane (as per requirement) ( <b>monthly charges</b> ).	1		
	<b>Total (PKR Rs.) Including Taxes</b>			

## **PERFORMANCE GUARANTEE**

- The performance period will be 03 months, which will start from the date of completion of the task in all respect.
- The successful bidder(s) is/are required to furnish a performance guarantee, equivalent to 10% of the contract amount within seven days of issue of supply order/award of contract. Otherwise, equivalent amount will be retained from payment for performance period. This amount will be treated as compensation for any loss resulting from the supplier's failure to complete its obligation.
- Performance guarantee/security will be forfeited in case of failure to successfully complete the performance period.

## **COMPLETION PERIOD**

The allotted work should be completed within specified period of **15 days** after the receipt of work order. If work is not completed within the allocated time period then the contractor has to pay delay charges @ 0.01% of the total cost of the work for each delayed day.

The bidder will be responsible for complete execution of the work and for its free repair services during three months performance period.

## **MODE OF PAYMENT**

No advance payment will be made to any firm against any supply /work order in any case. No such demand will be entertained and failure to execute work against supply order will lead to forfeiture of the earnest money. Payment shall be made in the form of cross-cheque, which shall be issued, after receipt of inspection report as per following: The payment i.e. 90% will be released on completion of the work and acceptance of inspection report. Prevailing regular government taxes shall be applicable. 10% payment will be released after completion of performance period (three months).

## **PRICES**

Prices charged by the bidder for goods delivered and services performed under the contract shall not exceed from the prices quoted by the supplier in its bid(s).

Prices may be valid for 120 days (04 months), the scope of work (supply of Filtration systems with O&M) may be increased as per requirements of funding agency for flood response activities. The bidder has to bound with the quoted rates for the deliverables/ services if required in addition by "Employer" Till 120 days from the tender opening date.

## **EVALUATION CRITERIA**

The bids would be evaluated based upon their technical soundness with the Terms and Conditions set forth in this document. The lowest quoted bid as a whole meeting technical requirement will be selected.

**GUARANTEE/WARRANTY**

The warrantee period is three months, In case of failure; the same will be arranged from the security amount.

The procuring agency may cancel the tender as per PPRA rules. PPRA rules and other prevailing government rules shall be applicable.

The representative of PCRWR, or designated officer/Engineer, may examine any item, equipment, material, supplies and/or services to be provided under this contract, at any time prior to expiry of this contract. He may reject or require alteration there to or replacements there of as a condition of acceptance. The findings shall be conclusive except with respect to defects or fraud, which may appear later. Accomplishment and/or execution of each item of work (total or a part thereof) shall be considered subject to the verification of Officer/Engineer designated by the PCRWR for work accomplishment.

**GENERAL INFORMATION ABOUT THE CONTRACTOR/ FIRM**

- 1- Name of the Firm: \_\_\_\_\_
- 2- Main Line or Business: \_\_\_\_\_
- 3- Type of Organization: \_\_\_\_\_
- 4- Phone No(s) \_\_\_\_\_
- 5- Mailing Address: \_\_\_\_\_
- 6- Fax No. \_\_\_\_\_
- 7- E-mail \_\_\_\_\_
- 8- Contact Person: \_\_\_\_\_
- 9- Income tax and sales tax numbers.....

**SIGNATURE&SEALOFCONTRACTOR/FIRM**



**IT-23. INSTRUCTIONS TO TENDERERS  
(CLAUSE REFERENCE)**

## INSTRUCTIONSTOTENDERERS (CLAUSEREFERENCE)

23.1 **Name of Institute:** Pakistan Council of Research in Water Resources (PCRWR) and Address

Regional Director, PCRWR  
Pakistan Council of Research in Water Resources  
Main University Road, Karachi  
Phones: (92-21) 34028062  
E-mail:[pcrwr.karachi@gamil.com](mailto:pcrwr.karachi@gamil.com)

23.2 Tender shall be quoted entirely in Pak. Rupees. The items to be imported for this tender should be quoted in Pak Rupees only. The payment shall be made to the supplier in Pak. Rupees.

**The tenderer will provide the total cost indicating all applicable taxes.**

- a. The tenderer / contractor have the financial, technical capability necessary to supply and complete the task with required services as per tender documents.
- b. Tender validity is 120 days, after issuance of supply order(s)by PCRWR, Main University Road, Karachi. Payment will be made after full satisfaction (demonstration will be mandatory).
- c. If supplied items / equipment's are found sub-standard or in-genuine (as mentioned intender) the contract will be cancelled and Security Deposits will be forfeited and the Firm will also be black listed.
- d. The Firms must have Sales Tax Registration Certificate, National Tax Number, and SRB registration and have proper offices as well as facilities of telephone/fax and email.
- e. Submission of any false statement/documents including concealing of information is likely to disqualify the bidder.
- f. This Department reserves the right to accept or reject any or all tenders without assigning any reason in accordance with rule33(1) of PPRA-2004.

23.3 (a)A detailed description of the Works, essential technical and performance characteristic.

(b) Complete set of technical information, description data, literature and drawings as required in accordance with Tendering Data, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the

Significant characteristics such as general construction dimensions and other relevant information about the works to be performed.

**23.5 Amount of Tender Security**

2% of the quoted price

**23.6 Period of Tender Validity**

120 days from the date of tender opening.

**23.7 Number of Copies of the Tender to be submitted**

One original plus 1 copy.

**23.8 (a) PCRWR's Address for the Purpose of Tender Submission**

Regional Director PCRWR  
Pakistan Council of Research in Water Resources  
Main University Road, Karachi  
Phones:(92-21) 34028062  
E-mail:[pcrwr.karachi@gamil.com](mailto:pcrwr.karachi@gamil.com)

**(b)Warning**

DONOTOPENBEFORE:13<sup>th</sup> December,2021.

**23.9 Deadline for Submission of Tenders**

11:00AM, 22<sup>nd</sup> September,2022

**23.10 Venue, Time, and Date of Tender Opening**

Pakistan Council of Research in Water Resources  
Main University Road, Karachi

Time:11:30 AM

Date: 22<sup>nd</sup> September,2022

### **23.11 Responsiveness of Tenders**

- (i) The Tender is valid till required period,
- (ii) The Tender prices are firm during currency of contract.
- (iii) Completion period offered is within specified limits,
- (iv) the Tenderer/supplier/bidder is eligible to Tender and possesses the requisite experience,
- (v) the Tender does not deviate from basic technical requirements and
- (vi) the Tenders are generally in order, etc.

**IT-24. FORMS OF TENDER  
AND  
SCHEDULES/ BOQ TO TENDER**

**SCHEDULE -TOTENDER**

**IT-24. FORM OF TENDER**

(LETTER OF OFFER)

To: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Gentlemen,

1. Having examined the Tender Documents including Instructions to Tenderers, Tendering Data, Conditions of Contract, Contract Data, Specification, and Addenda/ BOQs Nos. \_\_\_\_\_ or the supply and installation of “moveable” Ultra Filtration Plant (20000GPD/800gallon per hr), supply of petrol Generator, vehicle for movement of filtration plant as “Moveable” plant with Driver and Operator for O&M in all aspects as per tender documents.

We, the undersigned, being accompany doing business under the name of \_\_\_\_\_ and address \_\_\_\_\_

\_\_\_\_\_ and being duly incorporated under the laws of Pakistan here by offer to supply and installation of Ultra Filtration Plant (20000GPD) with necessary fittings in all respects and provide services for the “movement” of plant by providing suitable vehicle with Driver & Fuel, provide petrol Generator 5 k.w, with operator as per tender documents and remedy any defects therein in conformity with the said Documents including Addenda there to for the Total Tender Price of Rupee (\_\_\_\_\_) or such other sum as may be as curtained in accordance with the said Documents.

2. We understand that all the Schedules attached here to form part of this Tender.

3. As security for due performance of the undertakings and obligations of this Tender, we submit there with a Tender Security in the amount of \_\_\_\_\_ Drawn in your favor or made payable to you and valid for a period of 1 month beyond the period of validity of Tender.

4. We undertaken, if our Tender is accepted, supply, installation, O&M of Ultra filtration plant in all aspects, comprised in the Contract within the time(s) stated in Contract Date.

5. We agree to abide by this Tender for the period of 120 days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period with change/increase of number of plants/ services required (if any).

6. Unless and until a formal Agreement is prepared and executed, this Tender, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Tender is accepted, to execute the Performance Security referred to in Conditions of Contract for the due performance of the Contract.
8. We understand that you are not bound to accept the lowest or any Tender you may receive.
9. We do hereby declare that the Tender is made without any collusion comparison of figures or arrangement with any other person or persons making a Tender for the Works.

Dated this \_\_\_\_\_ day \_\_\_\_\_ Signature \_\_\_\_\_ in the  
capacity of \_\_\_\_\_ duly authorized to sign tenders for and on behalf of

(Name of Tenderer in Block Capitals)

Address:

Witness:

## FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (herein after called the "Agreement") made on the \_\_\_\_\_ day of 2022 between REGIONAL DIRECTOR, PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES (PCRWR), KARACHI of the one part and \_\_\_\_\_ Contractor/Tenderer of the other part.

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.

NOW this Agreement witness as follows:

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



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

Signature of the Contactor

\_\_\_\_\_

(Seal)

Signature of the Employer

\_\_\_\_\_

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

\_\_\_\_\_

(Name, Title and Address)

Witness:

\_\_\_\_\_

(Name, Title and Address)

**Annexure-I**

<b>Supply and Installation of Ultra Filtration (UF) Plant 20000 GPD</b>						
<b>Sr.No</b>	<b>Items</b>	<b>Specification</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Rate (PKR)</b>	<b>Amount (PKR.)</b>
1	Feed Pump	Supply of Feed Pump 2HP having discharge 2 m <sup>3</sup> /h. Complete in all respect (Make CNP or equivalent)	1	Nos		
2	FRP Media Vessel	Supply of FRP Media Vessel 16" x 65" Top with multiport valve	2	Nos		
3	Media filter	Provision of Media Filter (Sand, Gravel & imported Carbon ) as required media vessel	1	Job		
4	UF Membrane	Supply of UF Membrane 8" x 2 Meter (Make hyflux, or equivalent) with frame.	1	Nos		
5	Flow meter	Supply and Installation of Flow Meter 0-50GPM	1	Nos		
6	Pressure gauge	Supply and Installation of Pressure Gauge 2.5 inch (0-60psi)	2	Nos		
7	TDS meter	Supply and Installation of Online TDS/EC meter	1	Nos		
15	Distribution pump	Supply and Installation of Distribution pump (1.5 kw 5 m <sup>3</sup> /H with Pressure System. Complete in all respect.	1	Nos		
8	Jumbo cartridge housing	Supply of 20" Jumbo Cartridge Housing (5 micron filter size)	2	Nos		
9	PVC fitting	PVC Fitting for assembling 20,000 GPD Filtration systems as per the requirement. Fittings from feed water to filter plant – product water tank – water collection point.	1	Job		
10	Electric Control panel	Supply and installation of Electric control panel with caballing for required power supply for feed pump	1	No		
11	Dozing pump	Dozing Pump (5 Liters/Hr ) for chlorination (only for back washing)	1	Nos		
12	Dozing tank	Supply of Food grade transparent chemical plastic tank (80 Litres) for doing pump for chlorination	1	Nos		
13	MS powder coated frame	Supply of MS powder coated frame structure for 20,000 GPD filtration system	1	No.		
14	Water Tap Header	Supply of Water Tap Header 2" GI pipe including 3-4 taps with stand for collection/supply of water	1	Job		
15	Product water tank stand	Iron stand/base (36"x36"x40") 01 No. for placement of product water tank	1	Job		
16	Petrol Generator	Petrol Generator 5. KW, 220 Volt, sound less, China / equivalent	1	No		
<b>Total Cost (Rs.) With all Taxes</b>						

**Annexure II**

<b>S. #</b>	<b>Particulars</b>	<b>Unit / Qty</b>	<b>Unit Cost (PKR.) (Monthly Basis)</b>
	<b>Operation / Running Cost</b>		
1	Fuel for Generator, 08 -10 hrs daily operational hrs, of filtration plant with necessary O&M of generator, oil change etc	1	
2	Rent of Vehicle Suzuki Shehzore/ Ravi suitable for movement of plant safely with all allied equipments / accessories along with cost of Driver for 24 hrs (cost includes Driver's lodging boarding expenses)	1	
3	Fuel /POL for Vehicle Shehzore for movement of filtration plant in flood affected Areas approximately 100-130km (average) daily distance coverage	1	
4	Operator Cost (01 No.) on each plant for operation and maintenance of filtration plant full time including (lodging/boarding charges)	1	
5	O&M charges for change of cartridge Filters 20" (Spunch) of filtration plant and other necessary R&M as per requirement including chlorine (bleach) for back washing purpose.	1	

<b>Solarized Ultra Filtration Plant 5000GPD (Portable) (1200-1500gpd Sun shine Hrs)</b>						
<b>Sr.No</b>	<b>Items</b>	<b>Specification</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Rate (PKR)</b>	<b>Amount (PKR)</b>
1	Feed Pump	Supply of 0.5 HP DC Submersible pump with accessories in all respect	1	No		
2	FRP Media Vessel	Supply of FRP 13"x54" inch Multi Media Vessel with multi-port valve	2	No		
3	Media Filter	Provision with Media Filter (sand, gravel and granular activated carbon ) as per requirement of media vessels				
4	Jumbo Cartridge Housing	Supply of Jumbo Caridge Housing 20" x 4"	2	No.		
5	Jumbo Cartridge Filters	Supply of 20" x 4" Jumbo Cartridge PPY (polypropylene Yarn) 1 micron and 5 micron filter size	2	No		
6	UF Membrane	Supply of UF Membrane 4" x 40" MAX-90 in PVC Housing (Hyflux or equivalent	1	No.		
7	MS Skid powder coated frame	Supply of MS Skid powder coated frame for 5000 GPD filter plant	1	No.		
8	Chlorine Solution	Supply of liquid Chlorine (Sodium-Hypochlorite 13-14%)	10	Kg		
9	Chlorine Tank	Supply of Chlorine Tank (80 liter) capacity	1	No		
10	Chlorine dozing pump	Supply of with dozing pump (5-6litre/hr)	1	No		
11	PVC Fittings	PVC fitting for assembling 5000GPD filtration system as per the requirement. Fittings for feed water-plant-product water tank-water collection point.	1	Job		
12	Electric Control panel	Supply and installation of Electric control panel with caballing for required power supply for feed pump	1	No		
13	Water Tap Header	Supply of Water Tap Header 2" GI pipe including 3-4 taps with stand for collection/supply of water	1	Job		
<b>SOLAR SYSTEM FOR FILTRATION PLANT</b>						
1	Solar Panel	Supply of Solar Panel 530 watt, China	1	No.		
2	Dry battery	Supply of Dry battery (120 Amp)	1	No		
3	MS Solar Frame	Supply of MS Solar Frame as per requirement & placement of solar panel	1	No		
4	AC/ DC Cable	Supply of AC/DC cables (as per requirement) minimum 20 meters each	20 each	Meter		
5	Connectors	Supply of necessary connectors as per required (minimum 4 Nos.)	4	No.		
6	Converter	Supply of Converter DC 12V to AC 220V ( 1000W )	1	No.		
7	Battery Charger	Supply of battery charger 100 AMP ( from Solar panel ) or as requirement	1	No.		
8	PVC Panel	Supply of PVC panel as per requirement of solar system	1	No.		
9	Change Over	Supply of change over as per requirement of solar system	1	No.		
<b>Total Cost (PKR.) With all Taxes</b>						