



Pakistan International Airline

TOR
TERMS OF REFERENCES

**INSTALLATION OF RO PLANT FOR SUPPLYING OF
BOTTLED WATER ALONG WITH ANNUAL OPERATION
MAINTAINANCE AT PIA PREMISES KARACHI AIRPORT.**

NOTICE

INSTALLATION OF RO PLANT FOR SUPPLYING OF BOTTLED WATER ALONG WITH ANNUAL OPERATION & MAINTAINANCE AT PIA PREMISES KARACHI AIRPORT.

PIA invites sealed bids from well reputed, National firms meeting standards with World Health Organization (WHO) and Pakistan Engineering Council (PEC) are eligible to apply for Installation of RO plant, Annual operation Maintenance & supplying of bottled water to different locations at PIA premises, Karachi Airport.

Bidding shall be conducted on '**Single Stage Two Envelop**' basis. The name of the Bidder and tender description shall be clearly marked on the envelopes for both Technical and Financial, separately.

The interested Suppliers are requested to send their applications to the Office of undersigned along with following details:

- Name & year of establishment of firm, registered address and Fax / telephone numbers / Email.
- Details of installation, supplying & annual maintenance of RO PLANT in last 10 years each, with Work Orders/PO
- Valid Certificate of who and Valid registration from PEC
- Financial status with Bank Certificate.
- Latest bank statement with 03 years history.
- Valid NTN certificate.
- Details of dispute / arbitration / litigation, if any

Bidder is required to submit a Pay Order of Rs. 1,000/- (Nonrefundable) in favor of PIAC along with the RFP.

The rates quoted should be valid for a period of one hundred and twenty days (120) days from the date of bid opening.

Bidding documents containing Term of Reference (TORs), Evaluation Criteria and other terms & conditions can be downloaded from www.ppra.org.pk and www.piac.com.pk.

Prospective bidders are requested to drop their sealed proposals on or before 19th Nov 2018, at 15:00, in the office of **Finance section works 2ndFLOOR**, PIA Head Office BUILDING PIA.

Technical proposals will be opened on same date at 15:30 in the presence of bidder who intend to witness the proceedings. The queries may be referred to Dy.GM Projects Works at Hafeez.abbasi@piac.aero

DY.GENERAL MANAGER

Works & Projects

1ST FLOOR, FLIGHT OPERATION BUILDING

PIA HEAD OFFICE.

Tel: 021-99045601-44669

Email: Hafeez.abbasi@piac.aero

M/S. _____

You are hereby invited to submit a technical and financial bid for installation of Ro plant for supplying water along with annual maintenance at PIA premises Karachi Airport, Karachi required for the Assignment in the Data Sheet, annexed herewith. Your proposal could form the basis for future negotiations and ultimately a contract between your firm and the Client named in the Data Sheet.

1. INTRODUCTIONS

- 1.1 A brief description of the Assignment and its objectives are given in the Data Sheet.
- 1.2 The Client is undertaking the duty to implement the Project as Executing Agency.
- 1.3 To obtain first-hand information on the Assignment and on the local conditions, you are encouraged to visit the Client before submitting a proposal and attend a pre-proposal conference if specified in the Data Sheet. Your representative shall meet the officials named in the Data Sheet. Please ensure that these officials are advised of the visit in advance to allow adequate time for them to make appropriate arrangements. You must fully update yourself of local conditions and take them into account in preparing your proposal.
- 1.4 The Client shall provide the inputs specified in the Data Sheet.
- 1.5 Please note that:
 - a) The cost of preparing the proposal and negotiating the contract, including a visit to the Client, are not reimbursable as a direct cost for the Assignment and
 - b) The Client is not bound to accept any of the proposals submitted.
 - c) The firm must be registered with Pakistan Standard Quality Control Authority.
 - d) Also please note that, the evaluation committee will correct any computational errors. When correcting computational errors, in case of discrepancy between a partial amount and the total amount, or between word and figures the former will prevail. In addition to the above correction, activities and items described in the technical Proposals but not priced in the financial proposals shall be assumed to be included in the prices of other activities or items. In case any activity or item is quantified in the financial proposal differently from the technical proposal, the evaluation committee shall correct the quantification indicated in the financial proposal to make it consistent with that indicated in the technical proposal.

2. DOCUMENTS

- 2.1 To prepare a proposal, please use the attached forms/documents listed in RFP.
- 2.2 Suppliers requiring a clarification of the documents must notify the Client, in writing, not later than seven **(07)** days before the proposal submission date. Any request for clarification in writing, or by cable, telex or email shall be sent to the Client's address indicated in the Data Sheet.

The Client shall respond by cable, telex or email to such request and copies of the response shall be sent to all invited suppliers.
- 2.3 At any time before the submission of proposals, the Client may, for any reason, whether at its own initiative or in response to a clarification requested by consulting firm, modify the Documents by amendment.

The amendment shall be sent in writing or by cable, telex or email to all short listed consulting firms and will be binding on them. The Client may at its discretion extend the deadlines for the submission of proposals.

3. PREPERATION OF PROPOSAL

3.1 You are requested to submit technical & financial proposal. Your proposal shall be written in English language.

3.2 Technical Proposal

- a. In preparing the technical proposal, you are expected to examine all terms and instructions included in this RFP. Failure to provide requested information shall be at your own risk and may result in rejection of your proposal.
- b. During preparation of the technical proposal you must give particular attention to the followings:

Form-4	Comments of Suggestion on the Terms of Reference
Form-5	Approach Paper on Methodology Proposed for Performing the Assignment including: Understanding of Project Objectives and Scope of Work Technical Approach and Methodology Work Plan Organization and Staffing
Form-6	O&M PORPOSED PLAN
Form-7	A work plan, illustrated with a bar chart of activities and graphics
Form-8	Current commitments of the firm
Form-9	Any additional information as requested in the Data Sheet

- c. The technical proposal shall not include any financial information.

3.3 Financial Proposal

The financial proposal should be prepared and submitted in accordance with forms provided under Annexure – B.

3.4 Scope of Work / Terms of Reference

Scope of Work is provided in the TOR attached as Annexure – C

4. SUBMISSION OF PROPOSAL

4.1 You shall submit one original technical proposal and one original financial proposal and number of copies of each indicated in the Data Sheet. Each proposal shall be in a separate envelop indicating original or copy, as appropriate. All copies of technical proposal shall be placed in an envelope clearly marked "Technical Proposal" and the financial proposals in the one marked "Financial Proposal". These two envelopes, in turn, shall be sealed in an outer envelope bearing the address and information indicated in the Data Sheet. The envelope shall be clearly marked "DO NOT OPEN, EXCEPT IN PRESENCE OF THE EVALUATION COMMITTEE".

4.2 The proposal shall contain no interlineations of overwriting except as necessary to correct errors made by the consultants themselves. Any such corrections shall be initialed by the person or persons signing the proposal.

- 4.3 The completed technical and financial proposals shall be delivered on or before the time and date indicated in the Data Sheet.
- 4.4 The proposal shall be valid for the number of days indicated in the Data Sheet from the date of its submission. During this period, you shall keep available the professional staff proposed for the assignment.

5. PROPOSAL EVALUATION

5.1 Technical Proposal

The evaluation committee appointed by the CLIENT shall carry out Technical Proposal Evaluation, applying the evaluation criteria and point system specified in the Data Sheet. Each responsive proposal shall be attributed a technical score (ts). Firms scoring less than seventy five (75) percent points shall be rejected and their financial proposal shall be returned unopened.

5.2 Financial Proposal

The financial proposals of the technically qualified suppliers on the basis of evaluation of technical proposals shall be opened in the presence of the representatives of these firms, who shall be invited for the occasion and care to attend. Client shall inform the technically qualified firms regarding the date and time for opening the financial proposals. The total cost of each proposal shall be publicly announced to the attending representatives of the firms.

The evaluation committee shall determine whether the financial proposals are complete and without computational errors.

6. NEGOTIATIONS

The proposal evaluated as combined ranked No.1, will be invited to negotiate technical and other terms of the contract without delay. The representatives conducting negotiations on your behalf must have written authority to negotiate all terms and to conclude a binding agreement failing which proposal evaluated as combined ranked No.2 will be invited for negotiations.

The negotiations will conclude with an agreed form of the contract. On completion of negotiations the client and the firm will initial the agreed draft contract.

7. AWARD OF CONTRACT

The contract shall be awarded after successful negotiations with the selected supplier and approved by the Competent Authority.

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DATA SHEET

1.	The name of the Assignment is: Installation of Ro plant for supplying of bottled water along with annual operation & maintenance at PIA premises Karachi Airport, Karachi
2.	The name of the Client is: Pakistan International Airlines Company Limited (PIACL)
3.	The description and the objectives of the assignment are: National firms meeting standards with World Health Organization (WHO) and valid registration with PEC to bid , for Installation of RO Plant, Annual operation Maintenance & supplying of bottled water to different locations at PIA premises, Karachi Airport.
4.	Phasing of the Assignment (if any): Yes _____ No _____
5.	Pre-Proposal Conference: As desired by any one or all suppliers before submission of bids.
6.	The suppliers are requested to submit written queries on the content of these documents if they wish. A written addendum can be issued subsequently, to all invited participants.
7.	The name(s) and address(es) of the Client's Official(s) is (are): DY.GENERAL MANAGER WORKS & PROJECTS 1 ST FLOOR, FLIGHT OPERATION BUILDING PIA HEAD OFFICE. Tel: 021-99045601-4669 Email: Hafeez.abbasi@piac.aero
8.	The Client shall provide the following inputs: All Data and Reports available with Client
10.	Association with other Short Listed supplying Firms : Not Allowed
11.	The number of copies of the Financial Proposal required are: Original Only
12.	The address for writing on the proposal is Finance Manager Works 2 nd FLOOR, PIA HEAD OFFICE BUILDING PIA HEAD OFFICE. Tel: 021-99044715 Email: Khiafpk@piac.aero
13.	Date and time of proposal submission is 19 th Nov, 2018@1500 HRS.
14.	Date and time of opening of Technical Proposal is 19 th Nov ,2018@ 1530 Hours
15.	Opening of Financial Proposal shall be intimated separately after technical evaluation process is completed.
16.	Validity period of the proposal is: 120 Days
17.	The location for submission of proposal is: Finance Manager Works 2 nd FLOOR, PIA HEAD OFFICE BUILDING PIA HEAD OFFICE. Tel: 021-99044715 Email: Khiafpk@piac.aero
18	Evaluation weightage: 70% Technical 30% Financial

Qualification Marks: 75

Participants will be evaluated as per criteria defined below:

1. Profile & Experience

(Marks Allocated 20)

Experience (Years)	Marks	
10	20	
5	10	
3	05	

*Evidence of specialization as Water Treatment plants suppliers/
suppliers: Classification or Company Registered Objectives

*Documents meeting standards with World Health Organization (WHO) & valid registration
with PEC

*In case of firm, experience certificate should be signed by CEO / Senior Executive with
supporting documents.

**2. No. of Assignments / Projects successfully completed
(Marks allocated 30)**

Client Details	Marks	
Over 10, well recognized firms, installation of Ro plant for supplying water (100,000) Gallons along with annual maintenance, undertaken in last 10 years, preferably multinational companies or public sector Enterprise at National / International level.	30	
Over 7, well recognized firms, installation of Ro plant for supplying water (100,000) Gallons along with annual maintenance, undertaken in last 10 years, preferably multinational companies or public sector Enterprise at National / International level.	20	
Over 5 well recognized firms, installation of Ro plant for supplying water (100,000) Gallons along with annual maintenance, undertaken in last 10 years, preferably multinational companies or public sector Enterprise at National / International level.	10	

*Participant will provide the list of clients along with Work orders/PO

3 . Financial Position of the Firm (Marks allocated 20)

Annual Turn Over	Marks	
Average Annual turnover of last three years > PKR 75 Millions	20	
Average Annual Turnover of last three years > PKR 50 Millions	15	
Average Annual Turnover of last three years > PKR 25 Millions	10	

* Financial statement duly audited by a firm of chartered accountant registered with institute of chartered of Pakistan (ICAP).

4. Adequacy of the proposed Work Plan and Methodology in responding to TORs (Marks allocated 30)

Qualification	Marks	
Organizational Structure illustrating the composition and reporting relationship of the team	5	
Methodology and approach for tasks identified in TORs	5	
Method statement for implementation of works - Proposed draft Project Management Plan and systems to be implemented - Proposed schedule demonstrating completion of works within the specified timeframe, Gantt Chart and a comprehensive Work Breakdown Structure - Proposal for O&M	20	
TOTAL MARKS		

Annexure-A
Technical Proposal Forms

TECHNICAL PROPOSAL SUBMISSION LETTER

To: (insert name and address of client)

Sub:

Dear Sir,

We, the undersigned, offer to provide the Installation of Ro plant for supplying water along with annual maintenance at PIA premises Karachi Airport, Karachi in accordance with your request for proposal vide Advertisement dated _____. We are hereby submitting our Proposal which includes this Technical Proposal (original only) and Financial Proposal sealed under a separate envelope.

We hereby declare that all the information and statement made in this proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

If negotiations are held during the period of validity of the Proposal i.e. indicated in the Data Sheet, we undertake to negotiate on the basis of the proposed Personnel. Our proposal is binding upon us and subject to the modifications resulting from Contract negotiations.

We understand that you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

For _____

Signature _____

Designation

Official Stamp

Form – 2

Documents

Provide relevant documents for meeting standards with Pakistan standard Quality control Authority (PSCQA) and World Health Organization (WHO).

Form – 3 A

Provide brief description of the firm (not more than 02 A4 size pages)

Form – 3B

FIRM REFERENCE

RELEVANT SERVICES CARRIED OUT THAT BEST
ILLUSTRATE QUALIFICATION

PR NAME:		COUNTRY:
PROJECT LOCATION WITHIN COUNTRY:		PROFESSIONAL STAFF PROVIDED BY THE FIRM :
NAME OF CLIENT:		NO. OF STAFF:
ADDRESS:		NO. OF STAFF MONTHS:
START DATE (Month/Year):	COMPLETION DATE (Month/Year).	APPROX. VALUE OF SERVICES:
NAME OF FUNCTIONS PERFORMED:		
DETAILED NARRATIVE DESCRIPTION OF PROJECT:		

Form – 4

Comments or Suggestions on TOR

It is suggested that any Comments / Observations on Terms of Reference may be presented in this form.

Form – 5

Approach Paper on Methodology Proposed for Performing the Assignment

Technical approach, methodology and work plan are key components of the Technical Proposal. You are suggested to present the Technical Proposal, divided into following sections.

- Understanding of Project Objectives and Scope of Work
- Technical Approach and Methodology
- Work Plan
- Organization and Staffing

Form – 6

O & M PROPOSED PLAN

Form 7

WORK PLAN, ILLUSTRATED WITH
A BAR CHART OF ACTIVITIES

Form – 8

CURRENT COMMITMENTS OF THE FIRM

It is suggested that detail of firm’s current project (in hand assignments) are provided under this section as per format given below.

Sr. No.	Name of Project	Project cost (million Rs.)	Start Date	Expected Date of Completion	Client
1					
2					

Form – 9

ADDITIONAL INFORMATION

It is suggested that any additional information, for which the firm believes that the same may enhance its standing, may be provided under this section

Annexure – B
Scope of Work & Special conditions

Annexure – B

Scope of Work & Duties / Responsibilities of Consultant

1. Background

PIA invites sealed bids from well reputed, National firms meeting standards with Pakistan standard Quality control Authority (PSCQA), World Health Organization (WHO) & valid registration with PEC, for Installation of RO plant, Annual operation & Maintenance & supplying of bottled water to different locations at PIA premises, Karachi Airport, Karachi.

The aim of this project is to design, assemble, install, test, operate, and maintain water treatment plant to treat the water and supply at different locations.

2. Scope of Work

The works are divided into 3 phases.

a. Phase I (Design, install, testing and commissioning)

A. Design stage

- Design, assemble and install the RO system of 15000 GPD from bore/underground water. (Bidders are encouraged to propose different diagrams with justification).

B. Installation and Commissioning

- Installation of submersible pump including drilling/boring & complete installation for RO plant according to desired capacity.

- Test and operate the RO system, including the flow from the source to the storage tank to ensure synchronize and sequential running of water supply chain.

- Supply, install and test all pipe connections from the source to the raw water tank to RO to storage tank

- Supply, install and test all electrical connection to connect the plant to the Main Control Board of the site is the responsibility of contractor.

C. Successful system operation and upon successful PCSIR & AKUH LABORATORY tests to confirm effluent water analysis results meet WHO standards of Drinking water

Arrangement of the water sample collection, in cooperation with PCSIR & AKUH LABORATORY, and the payment of the water sample certification is the responsibility of contractor.

b, Phase II (Operation)

- Provide annual operation and maintenance for the complete water system, of the full Reverse Osmosis system.

This should include the provision of all required chemicals, in addition to the development of an operation and maintenance (O&M) manual, O&M Standard Operating Procedures. All required personnel and supplies must be sufficiently planned, and permits requested, to ensure a continuous supply of water. The system should be operational from round the clock for 6 days a week.

A. Installation and commissioning

1. Once assembling and installation of the unit at the supplier site has been completed, the unit shall be tested through pressure test to ensure no leakage.
2. On signing the contract, a site visit is mandatory to ensure that the supplier is familiar with the implementation environment and to take measurements. A report shall be submitted by the supplier with the planned layout indicating the route of pipes and electrical connections.

3. The design of the system should ensure that the system is properly sized with minimum Maintenance and is easy to operate. In addition, the system should be designed to ensure that even during periods of maintenance; the system can continue to operate (standby system).
4. In the event that the Supplier has alternative suggestions, these can be proposed at the time of the bidding.
5. Once the system has been installed, water samples from the source (raw water), RO outlet (post-treatment) and the storage tank (post-treatment and post blended) will be tested jointly by the PCSIR & AKUH LABORATORY for three consecutive days. The supplier will be responsible to ensure the system is 100% functioning before the test and is responsible to facilitate the sample collection, transportation and release of the analysis.
6. The acceptance of the water by the PCSIR & AKUH LABORATORY will be a linked deliverable for payment.

c, Phase III (ANNUAL System Operation and Maintenance)

The system must be operational round the clock and will operate six days a week. The year Will start after the satisfactory report of the two aforementioned labs. The Supplier’s staff must be ready to deploy within six days, and the system should be operational within this time. The supplier shall ensure sound operation and high and consistent system performance in achieving final produced water quality in line with WHO standards and will be responsible to provide the following:

A. Staffing

Description	Duty	Qualification	Qty
Technician electro/mechanical	One shift	Min 7 years in maintenance and 2 years in RO units	<u>1</u>
Skilled Operator	Three shifts	Min 5 years in water/ RO unit operation	<u>4</u>
Pick up (transportation)			<u>1</u>

B. Chemicals and Consumables

Description	
Chlorine	Cost plus (invoices)
Treatment Chemicals	Cost plus (invoices)

Train local staff on the treatment system processes, operation and maintenance. Develop operation and maintenance manual, guidelines and SOPs.

3. Penalties

Penalties will be imposed by PIA (for each day the system could not be operational, a penalty of 0.1% of the Phase II contract value, per day) for any unjustified delays due to a lack of staff, technical issues, lack of adequate O&M, lack of capacity/skills of the staff, lack of adequate supplies, or any other non-justifiable cause and unsatisfactory laboratory results.

4. Water quality monitoring

The supplier shall take the following readings as a minimum from the on-line instruments: Regular and periodic water quality monitoring and test samples will be taken in conjunction With PIA Safety Department and tested from PCSIR & AKU LABORATORY through the different project stages to monitor the system performance.

The data from the data loggers should be downloaded on a monthly basis.

5. Expected Deliverables

Phase I: Site preparation and commissioning of Reverse Osmosis plant which includes (1 month):

- 1) Materials sourcing
- 2) Site preparation
- 3) WTP commissioning implementation
- 4) Construction and installation
- 5) Commissioning

Stage II: Annual operation and maintenance of the system to ensure proper operation and final produced water quality in accordance with WHO standards.

- 1) Raw water and final water quality testing
- 2) Operational records

6. Locations & Requirements

S.NO.	LOCATION	REQUIREMENT	JUSTIFICATION
1	MT PIA	15,000 GALLONS	Water bottle supply to entire network (minimum quantity 12000 BOTTLES (19 LITRES & 500 ML pet bottles)/Month)

7. Drinking Water Specification Requirements

PROPERTIES/PARAMETERS	STANDARD VALUES FOR PAKISTAN	WHO STANDARDS	REMARKS
Bacterial			
All water intended for drinking (e.Coli or Thermotolerant Coliform bacteria)	Must not be detectable in any 100 ml sample	Must not be detectable in any 100 ml sample	Most Asian countries also follow WHO standards
Treated water entering the distribution system (E.Coli or thermo tolerant coliform and total coliform bacteria)	Must not be detectable in any 100 ml sample	Must not be detectable in any 100 ml sample	Most Asian countries also follow WHO standards
Treated water in the distribution system (E.coli or thermo tolerant coliform and total coliform bacteria)	Must not be detectable in any 100 ml sample In case of large supplies, where sufficient samples are examined, must not be present in 95% of the samples taken throughout any 12-month period.	Must not be detectable in any 100 ml sample In case of large supplies, where sufficient samples are examined, must not be present in 95% of the samples taken throughout any 12-month period.	Most Asian countries also follow WHO standards
Physical			
Color	≤15 TCU	≤15 TCU	
Taste	Non objectionable/Acceptable	Non objectionable/Acceptable	

Odour	Non objectionable/Acceptable	Non objectionable/Acceptable	
Turbidity	< 5 NTU	< 5 NTU	
Total hardness as CaCO ₃	< 500 mg/l	—	
TDS	< 500	< 500	
pH	6.5 – 8.5	6.5 – 8.5	
Chemical			
<i>Essential Inorganic</i>	<i>mg/Litre</i>	<i>mg/Litre</i>	
Aluminium (Al) mg/l	≤0.2	0.2	
Antimony (Sb)	≤0.005 (P)	0.02	
Arsenic (As)	≤ 0.05 (P)	0.01	Standard for Pakistan similar to most Asian developing countries
Barium (Ba)	0.7	0.7	
Boron (B)	0.3	0.3	
Cadmium (Cd)	0.01	0.003	Standard for Pakistan similar to most Asian developing countries
Chloride (Cl)	<250	250	
Chromium (Cr)	≤0.05	0.05	
Copper (Cu)	2	2	
<i>Toxic Inorganic</i>	<i>mg/Litre</i>	<i>mg/Litre</i>	
Cyanide (CN)	≤0.05	0.07	Standard for Pakistan similar to Asian developing countries
Fluoride (F)*	≤1.5	1.5	
Lead (Pb)	≤0.05	0.01	Standard for Pakistan similar to most Asian developing countries
Manganese (Mn)	≤ 0.5	0.5	
Mercury (Hg)	≤0.001	0.001	
Nickel (Ni)	≤0.02	0.02	
Nitrate (NO ₃)*	≤50	50	
Nitrite (NO ₂)*	≤3 (P)	3	
Selenium (Se)	0.01(P)	0.01	
Residual chlorine	0.2-0.5 at consumer	—	

	end0.5-1.5 at source		
Zinc (Zn)	5.0	3	Standard for Pakistan similar to most Asian developing countries
* indicates priority health related inorganic constituents which need regular monitoring.			
Organic			
Pesticides mg/L		PSQCA No. 4639-2004, Page No. 4 Table No. 3 Serial No. 20- 58 may be consulted.***	
Phenolic compounds(as Phenols) mg/L		≤ 0.002	
Polynuclear aromatic hydrocarbons (as PAH) g/L		0.01 (By GC/MS method)	
Radioactive			
Alpha Emitters bq/L or pCi	0.1	0.1	
Beta emitters	1	1	

8. Special Condition

- Bidder should be consistently and current licensed / approved and registered; as appropriate, by Pakistan Standards and Quality Control Authority (PSQCA).
- Should have certification of International Organization of Standardization (ISO) or Hazard Analysis or Critical Control Point (HACCP).
- Should provide Copy of Test Report issued by PSQCA for latest month.
- Water must be supplied in approximately 19 liters hermetically sealed containers made of polyethylene terephthalate material or other approved food grade material bottles which shall not cause any undesirable change in taste, odor, color and quality.
- Bidder should be fully compliant with regulations governing plant construction and design, sanitary facilities and operations, equipment design and construction, production and process controls specific to the processing of bottled drinking water and finished goods inventory management.
- Must provide complete details of supply chain, storage facility, number of vehicles in fleet and delivery channels. Distribution fleet should be in hygienically maintained vans with proper delivery system.
- The Bidder must be committed to environmental conservation and must be certified with ISO 14001 for Environment Management or equivalent.
- Filling and sealing operations of containers / bottles should be done in an aseptic atmosphere. The equipment and its use for production, especially installations for washing and packaging should meet hygienic requirements.
- Bidder must provide complete details of compliance with regulations governing plant construction and design, sanitary facilities and operations, equipment design and construction, production and process controls specific to the processing of bottled drinking water and finished goods inventory management.
- Each bottle must be marked with:- name of product / brand name, net volume, name and address of manufacturer, batch / code number, date of expiry, chemical composition, Pakistan Standard Number PS Mark & License Number, date of bottling location and name of the source.

- Should be able to complete delivery cycle of water between 09.30 to 12.30 hrs regularly in bulk i.e. approximately 650 bottles per day /or as per actual requirement during five days of a week.
- Water samples will be tested jointly by the PCSIR & AKUH Laboratory for 2 days in a month and supplier is responsible to facilitate the sample collection, transportation and payment of samples from their own cost.
- The daily supply of water shall be made against a swipe card that shall be given by an authorized officer of every section.
- The services shall be required for a period of 3 years (Initially for one year and further 2 terms extendable on satisfactory performance) which is likely to commence from the issuance of PO
- The bills shall be made on actual delivered bottles as per computer generated bill on monthly basis.
- All the bottles will be replaced after usage of every 3 months.
- In case of missing/broken bottles by PIAC employee, the bottles shall be claim by contractor through bill.

Delivery schedule

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery required. Successful bidder is required to provide desired number of 19 (nineteen) liters bottles quantity approximately 650/day at the following areas of PIA Premises at Karachi.

- PIA Head Office, PIA Training Centre, Flight Operation Building, Safety Building, speedex, Supply Chain Building, MT, Engineering Line maintenance 1 , 2 and Wide Body Hangar.

Delivery cycle of water will be between 09.00 to 12.30 am hours regularly in bulk as per actual requirement on daily basis during five days a week and as when required.

9.Payment Stages for supplying Drinking water.

The payment will be made as per consumption on monthly basis.

10. Performance Warranty.

Performance warranty equivalent to 20 % of total annual bid amount will be submitted by the supplier in shape of bank guarantee or AA rating insurance firm.

This warranty will remain withheld at PIA Finance section for the period of six months after of the first year, PIA reserves the right to en-cash this warranty if there would be any defective reports of Drinking water.

Annexure – C
Financial Proposal Forms

FIN-1 FINANCIAL PROPOSAL SUBMISSION LETTER

To:

Sub: _____

Dear Sir,

We, the undersigned, offer to provide the Installation of Ro plant for supplying water along with annual maintenance at PIA premises Karachi Airport, Karachi. In accordance with your request for Proposal vide Advertisement dated _____ and our Technical Proposal.

Our financial proposal shall be binding upon us and subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal i.e. indicated in the Data Sheet.

If negotiations are held during the period of validity of the Proposal, we confirm availability of our team of proposed personnel. Our proposal is binding upon us and subject to the modification resulting from Contract negotiations.

We understand that you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

For _____

Signature _____

Designation

Official Stamp

SUMMARY OF COST OF SUPPLYING OF BOTTLED WATER WITH ANNUAL OPERATION & MAINTENANCE OF 15000 GPD RO PLANT AT MOTOR TRANSPORT AREA PIAC KARACHI.

S.NO.	LOCATION	REQUIREMENT	JUSTIFICATION	PRICE QUOTED (Installation, Commissioning, Supplying& Operation Maintenance)
1	MT PIA	15,000 GALLONS(12000 bottles/Month) 19 Liter Bottle & 500ml PET Bottles	Drinking Water bottle supply to entire network	Rate Per Bottle (A) * Quantity of Bottles Per Month (650) (B) _____ *650
			TOTAL	/month

FINANCIAL MODEL;

The appropriate financial model may please be suggested as cost of equipment shall be the part of annual maintenance/operation charges would be paid on monthly basis and the contract would be spread over 03 years which accommodate initial investment of the firm and recoverable in 03 years with rate of return as per market practice. After expiry of 03 years if the contract shall not be extended the equipment will become property of PIACL.