

PRICE QUOTATION / PROPOSAL AND COMPLIANCE FORM

Contract Services for the Water Chemical Treatment for PNOB Bldgs. 5 and 6

TERMS OF REFERENCE / TECHNICAL SPECIFICATIONS

SCOPE OF WORKS:

The scope of the project will be the monthly supply, delivery and application of water treatment chemical of centralized per floor AC units at 4/F and 5/F of PNOB Building 5 and centralized AC unit of PNOB Building 6. This includes provision of trained technicians and a chemist in conducting water treatment & analysis, provision of proper tools, equipment and testing instruments to make the AC units function as it should be. Project comprises with annual supply of chemical de-scaler and labor for the cleaning of AC units condenser.

LABOR REQUIREMENT/S:

- Project supervised by a mechanical engineer and a chemist.
- Skilled AC technicians.
- Bidder must have at-least five (5) years of experience in handling maintenance and contracting air conditioning projects.
- Bidder should be a mechanical contractor.
- Bidder should at-least completed three (3) AC maintenance projects for the last 5 years.

MATERIAL REQUIREMENT:

1. The Contractor must submit a Gantt/Schedule Chart for the project.
2. The contractor shall provide, among others, the following primary materials as specified:

❖ Treatment chemical are as follows:

FOR BUILDING 5:

- **Daily Dosing Rate/unit :** **0.2L per day per unit (4.8L/month/unit)**
(Scale/Corrosion Prevention)
Concentration in Cooling Tower: 100ppm
- **Daily Dosing Rate/unit :** **0.5L per week per unit (2L/month/unit)**
(Biological Growth/Slime)
Concentration in Cooling Tower: 100-500ppm
- **Descaling chemical (for condenser)**

A. Operating Data

Make	Cooling Tower
Type	Baltimore
Total Capacity	70 TR x 2 units
Hours of Operating/days/week	RTAA 0904
No. of Units	2 Units
Flow Rate	47.72 m ³ /hr
Evaporator Rate	0.5 m ³ / hr
Make Up	0.625 m ³ / hr

FOR BUILDING 6:

- **Daily Dosing Rate/unit :** **0.5L per day per unit (12L/month/unit)**
(Scale/Corrosion Prevention)
Concentration in Cooling Tower: 200-300ppm

Other recommended Chemical: (Biological Growth/Slime)

- **Daily Dosing Rate/unit :** **1L per week per unit (4L/month/unit)**
- **Daily Dosing Rate/unit :** **0.25L per week per unit (0.5L/month/unit)**
- **Descaling chemical (for condenser)**

A. Operating Data

Make	Cooling Tower
Total Capacity	225TR / Unit
Type	Cross-flow box-type CT
No. of Units	1 Unit
Flow Rate	153-41 m ³ /hr
Make Up	2.04
Evaporator Rate	1.53 m ³ / hr

3. Supplied treatment chemical should be as per manufacturer recommendation.
4. Chemicals should be factory made or produced.

PROJECT EXECUTION REQUIREMENT:

1. Gear-up proper PPEs as maybe recommended by the chemical manufacturer prior to start of work.
2. Open all water drain access of the system to release the used water coolant.
3. Wash the water basins with clean water to remove residues.
4. Seal all drain holes and refill the system with clean water until full.
5. Mix water treatment chemical as per recommended measurement/dose and duration.
6. Conduct water analysis and submit report. To be also done in a monthly basis.
7. Conduct annual supply of chemical descaler and labor for the cleaning of AC units condensers.
8. Duly check all conducted works.
9. Conduct necessary adjustment as required.

10. All needed scope of work must be complete and acceptable.
11. A comprehensive final checking should be conducted prior to turn-over. All unacceptable work shall be re-worked at no additional cost to PNOC.
12. Housekeeping of work areas.
13. Testing and commissioning.
14. Demobilization of personnel, tools and equipment.

COMPLETION OF WORK:

- Work shall be accomplished on a contract of regular monthly basis.
- Agreement shall be for a period of twelve (12) months.
- Agreement shall commence reckoned from the date of notice to proceed.

NOTE: Delays due to work stoppage ordered by GSD shall not be counted against the set completion date

#	Item Description	Duration.	Rate per Month
1	Water Chemical Treatment for PNOC Bldgs. 5 and 6	12 months	

TOTAL PRICE:	PhP _____
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TERMS AND CONDITIONS

1. Payment Terms: Government Terms - full payment upon completion of delivery/implementation, or subject to the conditions specified in the Scope of Works/Activities or Terms of Reference.
2. All entries shall be typed or written in a clear legible manner.
3. Bidder shall offer one (1) bid only. Alternative bids shall be rejected.
4. All prices offered herein are valid, binding and effective for THIRTY (30) calendar days upon issuance of this document.
5. As a general rule, price quotations to be denominated in Philippine Peso shall include all taxes, duties and/or levies payable.
6. In case of tie quotations, tie breaking shall be on draw lots or toss coin.
7. In case supplier pro forma quotation is submitted, conditions will be governed by the submitted signed Terms of Reference / Technical Specifications Sheet.
8. During evaluation of quotation/proposal, the project proponent may require additional documents to verify, validate and ascertain the compliance of the supplier/contractor or consultant.

We undertake, if our Proposal is accepted, to supply/deliver the goods/services in accordance with the specifications and/or delivery schedule.

We agree to abide by this quotation/proposal for a period of thirty (30) calendar days, which is the price's validity period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a Contract or a Purchase Order is executed, this Quotation/Proposal shall be binding upon us.
We understand that you are not bound to accept the lowest or any Proposal you may receive.

Signature over Printed Name : _____

Designation/Position : _____

Name of Organization : _____

Organization Address : _____

Tel No. / Mobile No. and Email Address : _____