



**BAIF DEVELOPMENT RESEARCH FOUNDATION**  
**BAIF BHA VAN, DR MANIBHAI DESAI NAGAR, WARJE, PUNE – 411058**  
**Tel.: 020 25231661**

**INVITATION FOR QUOTATION**

(Notice dated 27/09/2017)

To

Date: 27/09/2017

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Dear Sir/Madam,

**Sub: Invitation for quotation for “Community drinking water purification plants”**

You are invited to submit your most competitive sealed offer for the following:

| <b>Brief description of the product</b>      | <b>Specifications and scope</b>   | <b>Quantity</b> | <b>Installation &amp; commissioning</b> | <b>Place of commissioning</b> |
|--|---|-----------------|---|-------------------------------|
| Community drinking water purification plants | <ul style="list-style-type: none"><li>Community drinking water purification system based on Reverse Osmosis (RO) technology capable of treating water with TDS up to 2000 ppm.</li><li>Capacity – 1000 lph</li><li>Installation &amp; commissioning</li></ul> Details given in Annexure A:<br>Techno-Commercial Bid | 10 units        | Within 60 days of work order / PO       | Urulikanchan cluster,<br>Pune |

**About the project**

It is intended to setup community managed drinking water purification plants for catering to the requirements of households in a village. Each plant will home deliver drinking water to about 400 households in a village.

## **General Terms & Conditions**

### **1. Quotation**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialling, dating and re-writing.
- b) The bidder should strictly adhere to the formats & requirements of Annexure A & Annexure B while submitting the Techno-Commercial Bid & Price Bid respectively. Offers not conforming to the formats are liable to be rejected.
- c) The final price offered should include all duties, taxes, transport, transit insurance, installation, commissioning etc. Price break-up into above heads giving rates & resultant amount needs to be shown as per Annexure B. Those not applicable shall be stated. Form C shall not be provided by BAIF.
- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) Delivery and transportation at bidder's cost.
- f) The prices shall be quoted in Indian Rupees only.

2. Each bidder must submit only one offer. Bidder shall not contact any other bidders in matters relating to this quotation.

### **3. Validity of offer**

The offer shall remain valid for a period not less than 120 days after the deadline fixed for submission of offers.

### **4. Evaluation of quotation**

- a) BAIF will evaluate and compare the offers determined to be substantially responsive i.e. which are properly signed and conform to the terms & conditions, format, specifications & scope.
- b) The evaluation would be done for all the goods/ services put together. The items for which no rates have been quoted would be treated as zero and the total amount would be computed accordingly. The final price offered will be taken into consideration.
- c) List of similar works undertaken with details of clients etc. if any should be provided.

d) Two bid (Techno-Commercial Bid & Price Bid) evaluation shall be followed.

**5. Award of contract**

- a) The contract will be awarded to the bidder/s whose offer has been determined to be substantially responsive and suit best to requirement. BAIF, prior to expiration of the offer validity period, will notify the bidder/s whose offer is accepted for the award of contract. The terms of the accepted offer shall be incorporated in the Purchase Order or Work Order.
- b) Notwithstanding the above, BAIF reserves the right to accept or reject any offer and to cancel the bidding process and reject any or all offers at any time prior to the award of the contract.
- c) Purchase Order / Work Order can be issued for a quantity below that mentioned in this invitation. Multiple orders can be issued during validity of offer.
- d) Rate contract can be entered into for subsequent procurement.

6. Payment terms: As given in Annexure A: Techno-Commercial Bid.

7. Normal commercial guarantee/warranty shall be applicable to the supplied goods & components. Complete system shall be warranted for a period of 1 year (12 months) from the date of commissioning for mal-functioning, manufacturing defects, bad workmanship, improper installation etc.

8. Cost of procurement processing: The bidder shall pay a processing fee of INR 1000/- (non-refundable), in favor of “BAIF Development Research Foundation” via cheque.

9. **Earnest Money Deposit:** Demand Draft amounting to 5% of the total quoted cost in favor of “BAIF Development Research Foundation”, payable at Pune, towards earnest money deposit is to be submitted along with offer. No exemption is applicable in this regard. The same will be refunded without interest if your offer is not selected for procurement. In case of the successful bidder, the Earnest Money Deposit will be considered as Security Deposit (details given in clause 10) which will be refunded (interest free) at the end of warranty period subject to satisfactory performance. The security deposit shall be liable to be forfeited, if the successful bidder, after submitting his

tender rescind from or modifies his offer after the acceptance of his tender or deviates from the accepted offer or does not honor the terms of the accepted offer and all terms mentioned in this document.

10. **Security deposit:** A total of **10%** of quoted price is to be submitted as security deposit, 5% of quoted price submitted as earnest money and 5% amount to be retained from bill payments raised by party shall be retained as security deposit up to a period of one year (12 months), and to be released at the end of warranty period, **strictly subjected to satisfactory performance of the selected party**. In case service delivery, equipment performance, compliance to timeline and any other terms are found to be violated, security deposit shall be forfeited.

**11. Qualification criteria**

- a) The bidder must be a reputed company/manufacturer/name/brand with established presence of at least 2 years in the field of community drinking water purification units manufacture, sales, installation and service.
- b) The bidder should have installed & commissioned at least 50 similar drinking water purification plants of 500 lph capacity or above *in the period from calendar year 2014 to 2017*. Enclose list as per Annexure C.
- c) The bidder, as mentioned above, must be the manufacturer itself or authorized franchisee/ distributor/ dealer / channel partner of the manufacturer for the region.
- d) The system / components must have been certified by authorized and reputed certification agency/ ies.
- e) Processing fee cheque & EMD DD are to be submitted.
- f) Notwithstanding the above, BAIF reserves the discretion for assessment in this regard.

12. **Penalty:** In the event of successful bidder not honoring the terms of order, BAIF reserves the right to cancel the order in part or full and/or forfeit security deposit.

**13. Submission of offers**

- a) Offers shall be submitted in sealed envelopes only.
- b) Envelope 1 (approx. 30cm x 25 cm) should be sealed and super scribed “**Techno-Commercial Bid for 1000 lph RO Community Drinking Water Purification**”

- Plants**". Contact details of the bidder should be stated on front side bottom left of the envelope. Multiple envelopes may be used if required and should be numbered "TCB-1, TCB-2 etc." on front side top right. This envelope should contain
- a. Covering letter on letter head.
  - b. Techno-Commercial Bid as per format of Annexure  
A. All pages should have company seal.
  - c. Enclosures according to 'Enclosure check list' (Page no. 18) & supporting documents as required in Techno-Commercial Bid. All enclosures should have company seal & follow the order given in Annexure A.
- c) Envelope 2 (approx. 30 cm x 25 cm) should be sealed and super scribed "**Price Bid for 1000 lph RO Community Drinking Water Purification Plants**". Contact details of the bidder should be stated on front side bottom left of the envelope. This envelope should contain
- a. Covering letter on letter head.
  - b. Price Bid as per format of Annexure B. All pages should have company seal.
  - c. EMD in form of demand draft.
- d) Envelope 1 & Envelope 2 should be put inside Envelope 3 (approx. 40 cm x 30 cm). Envelope 3 should be sealed & super scribed "**Offer for 1000 lph RO Community Drinking Water Purification Plants**". Contact details of the bidder should be stated on front side bottom left of the envelope.
- e) Envelope 4 (approx. 25 cm x 10 cm) should contain processing fee cheque of INR 1000/-. This should not be sealed. It should be super scribed "**Processing fee cheque**". Contact details of bidder should be stated on front side bottom left of all the envelopes.
- f) Envelope 3 and Envelope 4 should be submitted / sent to the following.
- Mr. Somesh Pande**  
**BAIF Development Research Foundation**  
**BAIF Bhavan, Dr Manibhai Desai Nagar**  
**Warje, Pune-411058**
- g) **Last date of submission: 12<sup>th</sup> October 2017 before 1300 hours.**
- h) Submission "by hand" is preferred. However, the bidder may opt to send the offer by Speed post / Courier. In that case, the processing fee should be deposited in our

bank account (account details can be made available on request) through NEFT / cash deposit & copy of acknowledgement / counter foil should be emailed to someshpande@baif.org.in.

i) Offers received after the deadline will not be accepted. It is the responsibility of the bidder to ensure & confirm that the offer is received in time.

14. Queries pertaining to tender or bidding process, if any, may be clarified by contacting Mr. Suraj Kumar (surajk@baif.org.in) / Mr. Dhanaj (dhanajkris@baif.org.in) during office hours from the persons mentioned above.

15. Please note all power supply requirements are asked to be kept in single phase. This is done after situation assessment at all sites for power availability and quality. It may happen that at one or more specific sites three phase equipment may be required or recommended. In such case party shall be ready to provide all required equipment in single phase.

16. Pre-bid meeting: A pre-bid meeting is scheduled on 05<sup>th</sup> October 2017 at 1100 hours at BAIF Development Research Foundation, Warje, Pune for any clarifications pertaining to offer, specifications, requirements, site etc. Interested bidders may attend the same.

We look forward to receiving your offers.

**Yours sincerely,**

**BAIF Development Research Foundation**

## Annexure A: Techno-Commercial Bid

### 1000 lph RO Community Drinking Water Purification Plants

Date:

| <b>A. Technical specifications</b> |  |  |         |
|------------------------------------|--|--|---------|
| Sr.                                | Particular   | Bidder response  | Remarks |
| 1                                  | Community drinking water purification system based on Reverse Osmosis (RO) technology capable of treating water with TDS up to 2000 ppm.   | <i>[Offered/ Not offered]</i>  |         |
| 2                                  | Capacity – 1000 lph  | <i>[Offered/ Not offered]</i>  |         |
| 3                                  | Source of water – Bore well / open well (Sample water report enclosed for reference)   | <i>[Agree / Does not agree]</i>  |         |
| 4                                  | Output water quality<br>a) Conforming to IS 10500: 2012 drinking water standards<br>b) Having TDS in the range of 50 – 100 ppm   | <i>[Comply / Does not comply]</i><br><br><i>[Comply / Does not comply]</i>   |         |
| 5                                  | Output water flow rate – 1000 lph  | <i>[Offered / Not offered]</i>   |         |
| 6                                  | Duty cycle – 12 hours per day, round the year  | <i>[Offered / Not offered]</i>   |         |
| 7                                  | Water recovery – Min. 50%  | <i>[Comply / Does not comply]</i>  |         |
| 8                                  | Structure – Powder coated mild steel skid mounted system with pre-treatment, treatment & post-treatment stages   | <i>[Offered / Not offered]</i>   |         |
| 9                                  | Pre-treatment stage<br>a) Pressure sand/ dual/ multimedia filter<br>MOC – FRP<br>Manual multi-port valve<br>Size –<br>Make –<br>Nos. –<br>b) Activated carbon filter<br>MOC – FRP<br>Manual multi-port valve<br>Size –<br>Make –<br>Nos. –<br>c) Micron cartridge / ultra-filter<br>MOC – FRP / PVC / PP<br>Make –<br>Size –<br>Rating – | <i>[Offered / Not offered]</i><br><i>[Offered / Not offered]</i><br><i>[Offered / Not offered]</i><br><i>[Mention]</i><br><i>[Mention]</i><br><i>[Mention]</i><br><i>[Offered / Not offered]</i><br><i>[Offered / Not offered]</i><br><i>[Offered / Not offered]</i><br><i>[Mention]</i><br><i>[Mention]</i><br><i>[Mention]</i><br><i>[Offered / Not offered]</i><br><i>[Mention]</i><br><i>[Mention]</i><br><i>[Mention]</i><br><i>[Mention]</i> |         |

|    |  |   |  |
|----|--|---|--|
| 10 | <p>Treatment stage</p> <p>a) Reverse Osmosis membrane<br/>Hydranautics / GE / Dow / Hydramem /equivalent</p> <p>b) Membrane MOC – Spiral wound TFC polyamide</p> <p>c) Treatment capacity – 1000 lph (preferably 4 membranes of 250 lph each, but bidder may make their choice)</p> <p>d) Size –</p> <p>e) No. –</p> <p>f) Housing MOC – FRP / PVC</p> | <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Mention arrangement]</p> <p>[Mention]</p> <p>[Mention]</p> <p>[Mention]</p> |  |
| 11 | <p>Post-treatment stage</p> <p>a) Ultraviolet treatment</p> <p>b) TDS controller / taste enhancer (If required, only pre-treatment output water to be added for TDS control / taste enhancement)</p>   | <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p>   |  |
| 12 | <p>Feed pump</p> <p>a) Make – Kirloskar / Crompton / equivalent</p> <p>b) Flow&amp; head as required</p> <p>c) Power (hp)–</p> <p>d) Self-priming</p> <p>e) 5 star rating, high efficiency AC pump, compatible with solar power</p> <p>f) MOC- SS304f</p>  | <p>[Mention]</p> <p>[Mention]</p> <p>[Mention]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Mention]</p>             |  |
| 13 | <p>High pressure pump</p> <p>a) Make – Kirloskar / Crompton / equivalent</p> <p>b) Flow &amp; head as required</p> <p>c) Power (hp) –</p> <p>d) Self priming</p> <p>e) 5 star rating, high efficiency AC pump, compatible with solar power</p> <p>f) MOC- SS304</p>  | <p>[Mention]</p> <p>[Mention]</p> <p>[Mention]</p> <p>[Offered / Not offered]</p>   |  |
| 14 | Dosing pump as required  | [Mention]   |  |
| 15 | <p>Raw water tank</p> <p>a) MOC – HDPE, drinking water compliant</p> <p>b) Make – Sintex / Plasto / equivalent</p> <p>c) Capacity – 3000 liters</p> <p>g) UV crack resistant</p> <p>h) Stand for tank of 3 feet height in powder coated MS of appropriate dimensions and strength</p>  | <p>[Offered / Not offered]</p> <p>[Mention]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p>                                 |  |



|    |  |  |  |
|----|--|--|--|
| 16 | <p>Pure / treated water tank- 2 nos.</p> <p>a) MOC – HDPE, drinking water compliant</p> <p>b) Make – Sintex / Plasto / equivalent</p> <p>c) Capacity – 2000 liters + 1000 liters (thermally insulated)</p> <p>d) Stand for both tanks of 3 feet height in powder coated MS of appropriate dimensions and strength</p>  | <p>[Offered / Not offered] [Mention]</p> <p>[Offered / Not offered]</p>  |  |
| 17 | <p>Control panel</p> <p>a) Control panel with LCD backlit information display showing quantity treated, operation status etc.</p> <p>b) Switch, starter, shut off, electricals etc. for operations</p> <p>c) Auto ON / OFF based on use &amp; tank fill</p> <p>d) Auto &amp; manual modes</p>  | <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p>  |  |
| 18 | <p>Instrumentation</p> <p>a) Measurement &amp; instrumentation system</p> <p>b) Pressure gauge – 4 nos., SS</p> <p>c) Flow meter – 2 nos.</p> <p>d) TDS meter (digital) showing raw water &amp; treated water readings</p> <p>e) Low pressure switch – 1 no., SS</p> <p>f) High pressure switch – 1 no., SS</p>  | <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p>    |  |
| 19 | <p>Electricals – All electricals in single phase AC, ISI marked</p> <p>a) Distribution box- 1 nos.</p> <p>b) Power plugs- 2 nos.</p> <p>c) Switch board with three pin plug- 2 nos.</p> <p>d) All wiring to be done in 8 sq. mm gauge, maintaining all standards and color coding etc.</p> <p>e) Stabilizers of adequate rating to be provided for both chiller and treatment equipment separately</p> <p>The electricals asked for in this item are to be provided separately from other necessary electricals as required in your design. In case any other (than that mentioned here) electrical or electronic equipment is required (as per parties' design), the same shall have to be included in offer. No separate pricing is to be shown in the offer for that.</p> | <p>[Agree / Does not agree]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Offered / Not offered]</p> <p>[Agree / Does not agree]</p> <p>[Agree / Does not agree]</p> |  |
| 20 | Backwashing system   | <p>[Offered / Not offered]</p> <p>[Mention]</p>  |  |
| 21 | Anti-scalant dosing system   | <p>[Offered / Not offered]</p> <p>[Mention]</p>  |  |

|     |   |  |  |
|-----|---|--|--|
| 22  | Interconnections, pipelines, fittings in UPVC / CPVC.<br>Make –<br>Size -   | <i>[Offered / Not offered]</i><br><br><i>[Mention]</i><br><i>[Mention]</i>   |  |
| 23  | Dispensing, filling & delivery system<br>a) Manually operated delivery jars clean, rinse, fill & cap system accessible to operator only. MOC – SS, 40 – 50 jars (20 liters) per hour<br>b) Rechargeable smart cards – 500 nos. per plant<br>c) Portable smart card reader with LCD backlit display for quantity, amount & balance.– 1 no. per plant<br>d) Portable reader – Secured & programmable for rate, quantity etc. with smart card recharging & transaction recording-display capability (7 days). PC connection & data transfer compatible.<br>e) 20 liters reusable PET delivery jars with project name (matter to be provided later) screen printed – 600 nos. per plant, with threaded caps).<br>f) On-site smart card based automated water dispensing system with LCD backlit display showing quantity, amount & balance accessible to users. Secured & programmable for rate, quantity etc. on site with smart card recharging & transaction recording-display capability (7 days). PC connection & data transfer compatible. Automated dispensing system with 4 hours battery backup<br>g) Online monitoring facility. Enclose details. | <i>[Offered / Not offered]</i><br><i>[Enclosed / Not enclosed]</i><br><br><i>[Offered / Not offered]</i><br><br><i>[Offered / Not offered]</i><br><br><i>[Offered / Not offered]</i><br><br><i>[Offered / Not offered]</i><br><br><i>[Offered / Not offered]</i><br><br><i>[Offered / Not offered]</i><br><br><i>[Enclosed / Not enclosed]</i> |  |
| 24  | Fixed periodic visits by technical experts, period being no less than twice a month (for each plant), other than emergency visits during warranty and AMC period.   | <i>[Agree / Does not agree]</i>  |  |
| 25. | Additional optional accessories / items – 1 nos. per plant<br>a) Online water chilling system (up-to 15 °C), bypass from pure water storage to filling station, 500 lph. Enclose details.<br>b) Coin based water dispensing unit along with smart card based unit. Enclose details.<br>c) Fire extinguisher- 1 nos. per plant (Type dry powder stored pressure portable, class ABC, capacity 2 kg. IS 15683:2006 complaint) Enclose details.  | <i>[Mention]</i><br><i>[Enclosed / Not enclosed]</i><br><br><i>[Mention]</i><br><i>[Enclosed / Not enclosed]</i><br><br><i>[Offered / Not offered]</i><br><i>[Enclosed / Not enclosed]</i>   |  |

| <b>B. Scope</b> |   |  |                |
|-----------------|---|--|----------------|
| <b>Sr.</b>      | <b>Particular</b>   | <b>Bidder response</b>   | <b>Remarks</b> |
| 1               | Pre-installation site survey.   | <i>[Agree / Does not agree]</i>  |                |
| 2               | Installation & commissioning on turn-key mode.  | <i>[Agree / Does not agree]</i>  |                |
| 3               | Complete coverage from raw water tank to pure / treated water tank & final dispense / fill.   | <i>[Agree / Does not agree]</i>  |                |
| 4               | Offer should state life span of major components & consumables. (Enclose)   | <i>[Enclosed / Not enclosed]</i>                                       |                |
| 5               | Certifications of components / consumables / system from accredited national or international laboratories / agencies & awards.(Enclose)  | <i>[Enclosed / Not enclosed]</i>                                       |                |
| 6               | Fully labeled flow diagram & layout of the system mentioning technical & functional details of components.(Enclose)   | <i>[Enclosed / Not enclosed]</i>                                       |                |
| 7               | 1 year (12 months) system warranty from date of commissioning for malfunction, defects, bad workmanship, improper installation etc.   | <i>[Agree / Does not agree]</i>  |                |
| 8               | a) 1 year (12 months) AMC from date of commissioning to be included in the offer, including all replacements and consumables.<br>b) Availability of on-site service within 24 hours. EMD is to be returned only on satisfactory service during warranty.      | <i>[Agree / Does not agree]</i><br><br><i>[Agree / Does not agree]</i> |                |
| 9               | Provision of pre-treatment stage water for cleaning & rinsing delivery jars.  | <i>[Agree / Does not agree]</i>  |                |
| 10              | Provision of reject water handling, not to be added back to source.   | <i>[Agree / Does not agree]</i><br><i>[Mention]</i>                    |                |
| 11              | On site printed display for project branding, organizational details, process information & process schematic in English & Marathi.   | <i>[Agree / Does not agree]</i>  |                |
| 12              | Training of local personnel for operations, maintenance & minor troubleshooting, and basic toolkit for operators' use.  | <i>[Agree / Does not agree]</i>  |                |
| 13              | Exclusions – Plant housing, electricity connection, water supply.   | <i>[Agree / Does not agree]</i>  |                |
| 14              | Providing all standard and genuine products and components mentioned in the document and replacing of any reported component during warranty in case of unsatisfactory performance, with no extra charges. This includes all items mentioned in the document. | <i>[Agree / Does not agree]</i>  |                |

| 15                         | All plant equipment and treatment set up is proposed to be integrated with solar back up. All necessary assistance is to be provided by party for same. Also it is in party's scope to ensure that equipment installed is strictly suited for solar power integration.   | <i>[Agree / Does not agree]</i>   |                |
|----------------------------|--|---|----------------|
| <b>C. Commercial terms</b> |  |   |                |
| <b>Sr.</b>                 | <b>Particular</b>  | <b>Bidder response</b>  | <b>Remarks</b> |
| 1                          | Name , complete address & website of the bidder  | <i>[Mention]</i>  |                |
| 2                          | Contact person's name, designation, contact number & email   | <i>[Mention]</i>  |                |
| 3                          | Address of works / manufacturing facility of the bidder  | <i>[Mention]</i>  |                |
| 4                          | Financials & statutory compliances of the bidder<br>a) Auditors' report, balance sheet, P&L / I&E statement and notes to accounts of <i>any of two financial years (2014-15 &amp; 2015-16 OR 2015-16 &amp; 2016-17)</i> (Schedules & other details not to be enclosed)<br>b) GST registration (GST no.) – (Enclose copy)<br>c) PAN – (Enclose copy)  | <i>[Enclosed / Not enclosed]</i><br><br><i>[Enclosed / Not enclosed]</i><br><i>[Mention]</i><br><i>[Enclosed / Not enclosed]</i><br><i>[Mention]</i>  |                |
| 5                          | Location of installation & commissioning – Villages around of Urulikanchan in Haveli and Daund Talukas   | <i>[Agree / Does not agree]</i>   |                |
| 6                          | Payment terms – 70% within 10 days of delivery & 25% within 10 days of commissioning. 5% amount from payment to be retained as security.   | <i>[Agree / Does not agree]</i>   |                |
| 7                          | Installation & commissioning within 60 days of work order / purchase order   | <i>[Agree / Does not agree]</i>   |                |
| 8                          | Experience<br>a) Experience of 2 years in community drinking water purification plants. Enclose Certificate of Registration / Incorporation.<br>b) Installation & commissioning of 50 similar plants of 500 lph & above capacity in 2014-15 & 15-16. (Enclose list as per Annexure C)<br>c) Copy of work order / purchase order of latest 5 similar plants (500 lph & above) commissioned. (Enclose) | <i>[Comply / Does not comply]</i><br><i>[Enclosed / Not enclosed]</i><br><br><i>[Comply / Does not comply]</i><br><i>[Enclosed / Not enclosed]</i><br><br><i>[Comply / Does not comply]</i><br><i>[Enclosed / Not enclosed]</i> |                |

|    |  |  |  |
|----|--|--|--|
| 9  | Whether bidder is a manufacturer or dealer / channel partner / distributor<br>Enclose authorization from manufacturer if the bidder is dealer / channel partner / distributor. | <i>[Mention]</i><br><i>[Enclosed / Not enclosed]</i> |  |
| 10 | Company brochure & catalogue of system on offer. (Enclose)   | <i>[Enclosed / Not enclosed]</i>                     |  |
| 11 | Validity of offer – 120 days after submission deadline.  | <i>[Agree / Does not agree]</i>                      |  |
| 12 | EMD DD no. (5% of quoted price), date & bank (Amount NOT to be mentioned)  | <i>[Mention]</i>                                     |  |
| 13 | Self-declaration about not being a black-listed entity. (Enclose)  | <i>[Enclosed / Not enclosed]</i>                     |  |
| 15 | Any other supporting documents enclosed. <i>For example PF/ESIC documents that add to the assertion of submission.</i>   | <i>[Mention] [Enclosed / Not enclosed]</i>           |  |

### **Signature with stamp of firm**

**Note:** Techno-Commercial Bid must strictly adhere to the above format and must be typed & printed on A4 pages. The column “Particular” must be presented as it is. Response should be given in the column “Bidder response” as follows.

Offered / not offered – Whether the particular / item is included in the offer.

Agree / does not agree – Whether the bidder agrees to the terms / requirement.

Comply / does not comply – Whether the bidder complies with the requirement.

Mention – Details / specifications to be mentioned.

Enclosed / not enclosed – Relevant enclosure to be included.

### **Remarks –**

Any point desired to be mentioned by the bidder. For response / enclosure which is not applicable to the respective bidder, “Not applicable” should be stated against the item in the Remarks column. For the response which defers from the requirement or not in line with the requirement, reason / justification should be clearly stated in the Remarks column.

## Annexure B: Price Bid

### 1000 lph RO Community Drinking Water Purification Plants

Date:

| Sr. | Particular   | Unit | Basic unit price (₹) | Quantity Nos. | Basic price for qty. offered (₹) | GST (--%) (₹) | Transport (₹) | Insurance (₹) | Any other (₹) | Final offered price (₹) |
|-----|--|------|----------------------|---------------|----------------------------------|---------------|---------------|---------------|---------------|-------------------------|
| 1   | <ul style="list-style-type: none"><li>Community drinking water purification system based on Reverse Osmosis (RO) technology capable of treating water with TDS up to 2000 ppm.</li><li>Capacity – 1000 lph</li><li>Installation and commissioning As given in Techno-Commercial Bid (Except A25)</li></ul> | Nos. |                      | 10            |                                  |               |               |               |               |                         |

| Additional optional accessories |  |      |                      |               |                                  |               |               |               |               |                         |
|---------------------------------|--|------|----------------------|---------------|----------------------------------|---------------|---------------|---------------|---------------|-------------------------|
| Sr.                             | Particular   | Unit | Basic unit price (₹) | Quantity Nos. | Basic price for qty. offered (₹) | GST (--%) (₹) | Transport (₹) | Insurance (₹) | Any other (₹) | Final offered price (₹) |
| 1                               | Online water chilling system 500 lph                       | Nos. |                      | 10            |                                  |               |               |               |               |                         |
| 2                               | On-site smart card based automated water dispensing system | Nos. |                      | 10            |                                  |               |               |               |               |                         |
| 3                               | Coin based dispensing system                               | Nos. |                      | 05            |                                  |               |               |               |               |                         |
| 4                               | Fire extinguishers   | Nos. |                      | 10            |                                  |               |               |               |               |                         |
| 5                               |  |      |                      |               |                                  |               |               |               |               |                         |

| AMC (per plant) cost from 2 <sup>nd</sup> to 5 <sup>th</sup> year (₹) |   |                      |                      |                      |                      |              |
|---|---|----------------------|----------------------|----------------------|----------------------|--------------|
| Sr.   | Particular  | 2 <sup>nd</sup> year | 3 <sup>rd</sup> year | 4 <sup>th</sup> year | 5 <sup>th</sup> year | Average cost |
| 1   | AMC cost per year from 2 <sup>nd</sup> year to 5 <sup>th</sup> year. Includes service visits, consumable change, and complaint redressal visits within 24 hours. Cost to be inclusive of all taxes applicable at present and additional fixed periodic visits of technical person, not less than twice per month. |                      |                      |                      |                      |              |

**Signature with stamp of firm**

Note: Price Bid must strictly adhere to the above format and must be typed and printed on A4 pages.

### Annexure C

Date:

List of 500 lph & above plants installed *in the period 2014 to 2017*

| <b>Sr.</b> | <b>Place</b> | <b>Date installed</b> | <b>Capacity (lph)</b> | <b>Reference contact</b> |
|------------|--------------|-----------------------|-----------------------|--------------------------|
| 1          |              |                       |                       |                          |
| 2          |              |                       |                       |                          |
| 3          |              |                       |                       |                          |
| 4          |              |                       |                       |                          |
| 5          |              |                       |                       |                          |
| -          |              |                       |                       |                          |
| -          |              |                       |                       |                          |
| -          |              |                       |                       |                          |
| -          |              |                       |                       |                          |
| 50         |              |                       |                       |                          |

*Note: Please begin with the earliest installation.*

**Signature with stamp of firm**



## Sample water test report

Source: Bore well

Period of testing: 08 August, 2017:

Place: one of the water sources in project villages (Mhatoba Alandi village well).

Note: This is only a sample for convenience of bidder. Actual detailed design parameters of all places are to be taken by bidding parties themselves

| <b>I. Physical Analysis</b>  |  |                |             |
|------------------------------|--|----------------|-------------|
| <b>Sr No</b>                 | <b>Test Parameters</b>                 | <b>Results</b> | <b>Unit</b> |
| 1                            | Color                                  | 1              | Unit        |
| 2                            | Odor                                   | Agreeable      |             |
| 3                            | Turbidity                              | 1              | NTU         |
| 4                            | pH                                     | 7.3            |             |
| 5                            | Conductivity                           | 1.9            | mS/cm       |
| <b>II. Chemical Analysis</b> |  |                |             |
| 6                            | Total Hardness (as CaCO <sub>3</sub> ) | 596            | mg/lit      |
| 7                            | Calcium Hardness (as Ca)               | 118            | mg/lit      |
| 8                            | Magnesium Hardness (as Mg)             | 72             | mg/lit      |
| 9                            | Total Solids                           | 990            | mg/lit      |
| 10                           | Total Dissolved Solids                 | 990            | mg/lit      |
| 11                           | Total Suspended Solids                 | Nil            | mg/lit      |
| 12                           | Chlorides (as Cl)                      | 316            | mg/lit      |
| 13                           | Sulphate (as SO <sub>4</sub> )         | 70             | mg/lit      |
| 14                           | P-Alkalinity                           | Nil            | mg/lit      |
| 15                           | M-Alkalinity                           | 387            | mg/lit      |
| 16                           | Free residual chlorine                 | Nil            | mg/lit      |
| 17                           | Nitrates (as NO <sub>3</sub> )         | 24             | mg/lit      |
| 18                           | Fluorides (as F)                       | 0.1            | mg/lit      |
| 19                           | Iron (as Fe)                           | Nil            | mg/lit      |

## **Enclosure check-list for Techno Commercial Offer**

1. Details of manually operated clean, rinse, fill & cap system
2. Details of online water chilling system (500 lph)
3. Details of on-site smart card based automated dispensing system
4. Details of coin based water dispensing unit
5. Details of online monitoring facility
6. Details of stabilizers offered
7. Details of fire extinguishers offered (if applicable)
8. Life span of major components
9. Certifications of components
10. Flow diagram & layout
11. Auditor's report, Balance sheet, P&L / I&E, notes to accounts of *any of two years (14-15; 15-16 OR 15-16; 16-17)*
12. Copy of PAN card
13. Copy of GST registration
14. Copy of certificate of registration / incorporation
15. Annexure C
16. Copy of last 5 work orders / purchase orders
17. Authorization certificate from manufacturer
18. Company brochure & product catalogue
19. Self-declaration about not being a black listed entity
20. Any other supporting documents

## **Additions after PRE BID Meeting**

### **Techno Commercial Bid**

a) Section C, Commercial Terms

Point no 4

Auditors' report, balance sheet, P&L / I&E statement and notes to accounts of any of two financial years (2014-15 & 2015-16 OR 2015-16 & 2016-17)

Point no 15

Any other supporting documents; Party may attach PF/ESIC registration copy as well. It is preferable (NOT mandatory).

b) Section B, Scope

Point no 12

Toolkit to be provided for plant operators; toolkit should contain very basic plumbing (spanner etc.) and electrical trouble shooting kit, kit as may be required for changing consumables etc. (TDS meter and pH meter etc. are preferable but not mandatory)

c) Annexure C

Last 50 installations list in the period 2014 to 2017 (till date)

d) Section A, Technical specifications

Point no 23 (g)

Clarification on online monitoring

Online monitoring is to be kept for water dispensing and basic operational parameters.

Point no 17 in Technical Specifications mentions operating parameters to be displayed on control panel, NOT to be necessarily monitored remotely.

<https://drive.google.com/a/baif.org.in/file/d/0B7LPs0sPEiRLZiVXMWE2d1IPsnc/view?usp=sharing>