



BAIF Institute for Sustainable Livelihoods and Development
BAIF Vrindavan Campus, Lachhakadi, PO Gangpur, Tal. Vansda, Navsari, Gujarat - 396580
Tel.: 02630 244005

INVITATION FOR QUOTATION

(Notice dated 19/12/2018, no.: BISLD/PROM Enterprise/001/2018-19)

To

Date: 19/12/2018

Dear Sir/Madam,

Sub: Invitation for quotation for “Installation & commissioning of pre-fabricated HDPE / FRP family size (2 m³) biogas plants”.

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

Brief description of the product	Specifications and scope	Quantity	Installation & commissioning	Place of installation & commissioning
Pre-fabricated HDPE / FRP family size (2 m ³) biogas plants	<ol style="list-style-type: none">1. KVIC floating dome with central guide pipe & spring2. Inlet-outlet connections-pipes. Gas pipe.3. BAIF Slurry Filter*4. ISI marked double burner stove5. Installation & commissioning6. 1 year AMC & on-site assistance post commissioning Details in Annexure A.	50 units	Within 45 days of work order / PO	Chondha village, Tal. Vansda, Dist. Navsari, Gujarat - 396580

* Patent applied

About the project

It is intended to install family sized biogas plants in the village with focus on clean renewable energy & organic input production for sustainable agriculture.

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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 vendor 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 vendor 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 vendor must submit only one offer. Vendor shall not contact any other vendors 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.

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- 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 vendor/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 vendor/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 ₹500/- (non-refundable), in favour of "BAIF Institute for Sustainable Livelihoods and Development" via cheque / cash / electronic transfer / demand draft.

9. Earnest Money Deposit & Security Deposit: Demand Draft amounting to 5% of the total quoted cost in favour of "BAIF Institute for Sustainable Livelihoods and Development", payable at Vandsa, Navsari, towards earnest money deposit is to be

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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 vendor, the Earnest Money Deposit will be considered as Security Deposit 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 honour the terms of the accepted offer.

10. Qualification criteria

- a) The vendor must be a reputed company/manufacturer/authorised distributor/authorised dealer with established presence of at least 3 years in the field of biogas plant installation & service.
- b) The vendor must have installed & commissioned at least 200 family size plants of similar capacity (1 – 6 m³) in the past two years (2016 – 17 & 2017 – 18). Enclose list as per Annexure C.
- c) The vendor, 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 be of MNRE approved design.
- e) Processing fee cheque & EMD DD are to be submitted.
- f) Notwithstanding the above, BAIF reserves the discretion for assessment in this regard.

11. Penalty: In the event of successful vendor not honouring the terms of order, BAIF reserves the right to cancel the order in part or full and/or impose a penalty and/or forfeit security deposit.

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12. Submission of offers

- a) Offers shall be submitted in sealed envelopes only.
- b) Envelope 1 (approx. 30 cm x 25 cm) should be sealed and super scribed **“Techno-commercial bid for installation & commissioning of family size biogas plants”**. Contact details of the vendor 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 (typed & printed) as per format of Annexure A. All pages should have company seal.
 - c. Enclosures & 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 installation & commissioning of family size biogas plants”**. Contact details of the vendor should be stated on front side bottom left of the envelope. This envelope should contain
 - a. Covering letter on letter head.
 - b. Price Bid (typed & printed) as per format of Annexure B. All pages should have company seal.
 - c. EMD 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 installation & commissioning of family size biogas plants”**. Contact details of the vendor 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 ₹ 500/-. This need not be sealed. It should be super scribed **“Processing fee cheque”**. Contact details of vendor should be stated on front side bottom left of the envelope.

Handwritten signature



f) Envelope 3 and Envelope 4 should be submitted / sent to the following.

**The Additional Chief Programme Executive
BAIF Institute for Sustainable Livelihoods and Development
Lachhakadi, PO Gangpur, Tal. Vandsa
Dist. Navsari, Gujarat – 396580**

g) **Last date of submission: 31st December 2018 before 05:00 pm.**

h) Submission “by hand” is preferred. However, the vendor 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 harishchandra.gavali@baif.org.in

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

13. Queries pertaining to Techno-Commercial Bid, if any, may be clarified by contacting the Mr. R.K. Warriar during office hours at the number given above. Queries pertaining to bid submission, procedure etc., if any, may be clarified from Mr. Harish Gavali during office hours.

14. Pre-bid meeting: A pre-bid meeting is scheduled on 24th December 2018 at 11.00 am at BAIF Institute for Sustainable Livelihoods and Development, Lachhakadi, Vandsa for any clarifications pertaining to offer, specifications, requirements, site etc. Interested vendors may attend the same.

We look forward to receiving your offers.

For BAIF Institute for Sustainable Livelihoods and Development

Addl. Chief Programme Executive



Annexure A: Techno-Commercial Bid

Family size biogas plants

Date:

A. Technical specifications

Sr.	Particular	Vendor response	Remarks
1	<p>Material of construction</p> <p>a) Material of construction should be in line with specifications of materials as per IS:12701:1996 relating to rotational moulded polyethylene tanks and / or IS:12986:1990 relating to Fibre Reinforced Plastic.</p> <p>b) Material of construction of biogas digester and gas holder shall be such that it does not impart any colour, odour or any toxic effect and it shall not contaminate biogas slurry.</p> <p>c) Polyethylene resin to be used for the manufacturing of biogas digester and biogas holder should be of rotational moulding grade.</p> <p>d) Biogas digester and biogas holder shall be manufactured from carbon black compounded polyethylene. (Percentage of carbon black content within 2 to 3%, dispersion of carbon black shall be satisfactory)</p> <p>e) Materials should be UV treated.</p> <p>f) Materials to be used for prefabrication/ construction of such biogas plants to be guaranteed by the manufacturers to have minimum useful life of 10 years.</p>	<p>[Comply / Does not comply]</p> <p>[Comply / Does not comply]</p> <p>[Comply / Does not comply]</p> <p>[Comply / Does not comply]</p> <p>[Comply / Does not comply]</p> <p>[Comply / Does not comply]</p>	
2	<p>Gas generation capacity</p> <p>a) 2 m³ per day</p>	<p>[Comply / Does not comply]</p>	
3	<p>Overall dimensions</p> <p>a) Digester volume: 3 m³</p> <p>b) Gas holder volume: 1.2 m³</p>	<p>[Comply / Does not comply]</p> <p>[Comply / Does not comply]</p>	
4	<p>Biogas digester</p> <p>a) The HDPE / FRP digester shall be made of minimum 4.50 mm to 5.50 mm average wall and bottom thickness for digester, gas holder, inlet & outlet pipe with provisions for inlet & outlet connections, central guide and gas holder structure.</p> <p>b) HRT: 30 days</p>	<p>[Comply / Does not comply]</p> <p>[Comply / Does not comply]</p>	



5	<p>Biogas holder</p> <p>a) The HDPE / FRP biogas holder shall be made of 4.40 mm average minimum thickness with provision for outlet connections. It shall also have provisions to accommodate extra weight in case of variation in end use point distance. It must have arrangements to connect ½" (12.7 mm) gas outlet connection. The minimum weight of the gas holder shall be maintained in relation to the biogas plant capacity and pressure of the gas required for transporting it from plant site to the kitchen/end use point.</p>	<p>[Comply / Does not comply]</p>	
6	<p>Central guide pipe</p> <p>a) The biogas plant shall have central guide pipe made of stainless steel with minimum thickness of 2.00 mm. Central guide pipe shall be made in such a way that holds spider and also such that allow spring to move vertically up/down smoothly.</p>	<p>[Comply / Does not comply]</p>	
7	<p>Spring spider mechanism</p> <p>a) It shall be provided with black corrosion resistant paint and with proper spring index which exerts sufficient pressure to displace biogas at 100 to 150 mm of water column. Spider should be made of SMC material with the provision to connect with central guide pipe. It shall fit on to the biogas holder in such a way that make biogas holder's up/down movement freely and smoothly.</p>	<p>[Comply / Does not comply]</p>	
8	<p>Inlet pipe</p> <p>a) Inlet pipe shall be of minimum 4" UPVC / PVC.</p>	<p>[Comply / Does not comply]</p>	
9	<p>Inlet connections</p> <p>a) Inlet connections shall be of 4" UPVC / PVC with adequate gaskets and check nut.</p>	<p>[Comply / Does not comply]</p>	
10	<p>Outlet connection</p> <p>a) Outlet connection shall be moulded and shall be an integral part of Biogas Digester; it shall be compatible with 4" flexible UPVC/PVC pipe and joint may be finished in such a way that no leakage of biogas plant slurry takes place during the life span of the plant.</p>	<p>[Comply / Does not comply]</p>	
11	<p>Gas outlet valve</p> <p>a) Gas outlet valve shall be of minimum ½" (12.7 mm) with inside threaded connections and leaving no chance of gas leakage at the base of joint with gas holder.</p>	<p>[Comply / Does not comply]</p>	



12	Gas outlet connections a) It shall be ½" (12.7 mm) PVC / UPVC connection with adequate gasket and check.	<i>[Comply / Does not comply]</i>	
13	Gas outlet pipe a) Gas outlet pipe shall be of HDPE 16-20 mm, 10 m long.	<i>[Comply / Does not comply]</i>	
14	Slurry handling system a) BAIF Slurry Filter (patent applied)	<i>[Offered / Not offered]</i>	
15	Biogas stove a) Double burner, ISI marked. b) Stainless steel body with cast iron burners. c) Make: Britto / equivalent	<i>[Offered / Not offered]</i> <i>[Offered / Not offered]</i> <i>[Mention]</i>	
16	Finishing a) The internal and external surface of the biogas digester and biogas holder shall be smooth, clean and free from other hidden internal defects, such as air bubbles, pits and metallic or other foreign material inclusions. The mould parting line and excess material near the top rim of digester and gas holder shall be cut and finished to the required level. Defects in fabrication if any, like air bubbles and pits at mould parting line and at top rim of the biogas digester shall be checked by hot-air filler rod welding method leaving no chance of leakage.	<i>[Comply / Does not comply]</i>	
17	Marking All the biogas plants & accessories shall be distinctly marked with the following information. a) Manufacturer's name, initials or recognized trade mark; b) Product code and capacity in cubic metre along with daily quantity in kg of cattle dung to be fed. c) Serial number along with serial number of the unit/manufacturing line. Lot or batch number and year of manufacture. d) All the plant produced would be given a distinct lot number & serial number as a mark of identification by the manufacturer. e) Project branding Above shall be moulded / screen printed on the external surface.	<i>[Agree / Does not agree]</i> <i>[Agree / Does not agree]</i> <i>[Agree / Does not agree]</i> <i>[Agree / Does not agree]</i> <i>[Agree / Does not agree]</i>	
18	Biogas plant design: MNRE approved. (Enclose) Make: _____	<i>[Comply / Does not comply]</i> <i>[Enclosed / Not enclosed]</i> <i>[Mention]</i>	



19	Warranty a) Complete system shall be warranted for a period of 1 year (12 months) from the date of commissioning for malfunctioning, manufacturing defects, bad workmanship, improper installation etc.	<i>[Agree / Does not agree]</i>	
20	Annual Maintenance Contract (AMC) a) The vendor shall provide 1 year AMC from the date of commissioning covering complaint redressal visits within 48 hours and on-site parts replacement.	<i>[Agree / Does not agree]</i>	

B. Scope

Sr.	Particular	Vendor response	Remarks
1	Pre-installation site survey (at vendor's cost).	<i>[Agree / Does not agree]</i>	
2	a) Installation & commissioning of family size (2m ³), MNRE approved HDPE / FRP make pre-fabricated floating dome biogas plant with central guide pipe, spring mechanism, inlet pipe, inlet connections, outlet pipe, outlet connections, gas pipe, slurry handling system & double burner stove.	<i>[Agree / Does not agree]</i>	
3	a) Installation & commissioning in turn-key mode. b) Installation and commissioning of biogas plants shall be done by the company/manufacturer/dealer's authorized and trained personnel. The users of biogas plants shall be provided "Operation and maintenance" manual in the printed form / version along with warranty and guarantee clauses.	<i>[Agree / Does not agree]</i> <i>[Agree / Does not agree]</i>	
4	1 year (12 months) system warranty from date of commissioning for malfunction, defects, bad workmanship, improper installation etc.	<i>[Agree / Does not agree]</i>	
5	a) 1 year (12 months) AMC from date of commissioning to be included in the offer. b) Availability of on-site service within 48 hours.	<i>[Agree / Does not agree]</i> <i>[Agree / Does not agree]</i>	
6	Training on operations, maintenance & minor troubleshooting shall be imparted to local resource persons & users.	<i>[Agree / Does not agree]</i>	



C. Commercial terms

Sr.	Particular	Vendor response	Remarks
1	Name , complete address& website of the vendor	<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 vendor a) Auditors' report, balance sheet, P&L / I&E statement and notes to accounts of last two financial years (2016-17 & 2017-18) (Schedules & other details not to be enclosed) b) GST registration no. – (Enclose copy of registration certificate) c) PAN – (Enclose copy)	<i>[Enclosed / Not enclosed]</i> <i>[Enclosed / Not enclosed]</i> <i>[Mention]</i> <i>[Enclosed / Not enclosed]</i> <i>[Mention]</i>	
5	Payment terms – 50% within 10 days of delivery & 50% within 15 days of commissioning.	<i>[Agree / Does not agree]</i>	
6	Installation & commissioning within 45 days of work order / PO	<i>[Agree / Does not agree]</i>	
7	Experience a) Experience of 3 years in installation & commissioning of pre-fabricated family size biogas. Enclose Certificate of Registration / Incorporation. b) Installation & commissioning of 200 family size pre-fabricated biogas plants of 1 – 6 m ³ in 2016-17 & 17-18. (Enclose list as per Annexure C) c) Copy of work order / purchase order of latest 20 family size biogas plant installations. (Enclose)	<i>[Comply / Does not comply]</i> <i>[Enclosed / Not enclosed]</i> <i>[Comply / Does not comply]</i> <i>[Enclosed / Not enclosed]</i> <i>[Comply / Does not comply]</i> <i>[Enclosed / Not enclosed]</i>	
8	Certificate from MNRE approving design & manufacturer / vendor. (Enclose)	<i>[Enclosed / Not enclosed]</i>	
9	Whether vendor is a manufacturer or dealer / channel partner / distributor Enclose authorisation from manufacturer if the vendor is dealer / channel partner / distributor.	<i>[Mention]</i> <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., date & bank (Amount NOT to be mentioned)	<i>[Mention]</i>	
13	Security deposit @ 5%	<i>[Agree / Does not agree]</i>	



14	Self-declaration about not being a black-listed entity. (Annexure D) (Enclose)	<i>[Enclosed / Not enclosed]</i>	
15	Any other supporting documents enclosed.	<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 “Vendor response” as follows.

- Offered / not offered – Whether the particular / item is included in the offer.
- Agree / does not agree – Whether the vendor agrees to the terms / requirement.
- Comply / does not comply – Whether the vendor 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 vendor. For response / enclosure which is not applicable to the respective vendor, “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.

A word copy of the Techno-Commercial Bid is available at

<https://drive.google.com/file/d/1TkmehtgUHwESQ7zqHjYD5VcopSdGqJqw/view?usp=sharing>



Annexure B: Price Bid

Family size biogas plants

Date:

Sr.	Particular	Unit	Basic unit price (₹)	Quantity	Basic price for qty. offered (₹)	GST _____ % (₹)	Transport (₹)	Insurance (₹)	Installation & commissioning (₹)	Any other (₹)	Final price for qty. offered (₹)
1	Pre-fabricated HDPE / FRP family size (2 m ³) biogas plants with BAIF Slurry Filter, installation & commissioning As given in Techno-Commercial Bid	Nos.		50							
2	Gas outlet pipe (in excess of 10 m, if required)	m		1							

Signature with stamp of firm

Note: Price Bid must strictly adhere to the above format and must be typed and printed on A4 pages. A word copy of the Price Bid is available at

<https://drive.google.com/file/d/1TkmehtgUHWESQ7zqHjYD5VcopSdGqJqw/view?usp=sharing>



Annexure C

Date:

List of pre-fabricated family size biogas plants (1 – 6 m³) installed in last two years (2016-17 & 2017-18)

Sr.	Place	Date installed	Capacity (m ³)	Reference contact
1				
2				
3				
4				
5				
-				
-				
-				
-				

Note: Please begin with the earliest installation.

Signature with stamp of firm

A word copy of Annexure C is available at

<https://drive.google.com/file/d/1TkmehtgUHwESQ7zqHjYD5VcopSdGqJgw/view?usp=sharing>



Annexure D



Undertaking

Date:

To

The Addl. Chief Programme Executive
BAIF Institute for Sustainable Livelihoods and Development
Lachhakadi, PO Gangpur, Vansda, Navsari- 396580

Ref.: Tender notice: BISLD/PROM Enterprise/001/2018-19.
Installation & commissioning of pre-fabricated HDPE / FRP family size (2 m³) biogas plants
in Vansda block.

Dear Sir,

In response to the tender invited by you, I/ We have examined the notice, conditions, specifications and terms of the contract and I/We agree to abide by all instructions in these documents attached hereto and hereby bind myself / ourselves to execute the work as per schedule stipulated in the invitation for quotation.

I / We further agree to sign and execute all agreements / bonds as may be required by BISLD to abide by the all conditions of the contract and to carry out all work as per specifications, failing which, I / We shall have no objection for the forfeiture of the earnest money / security money deposited with BISLD.

I / We also undertake that I / We have not been blacklisted by any entities at any time.

I / We enclose herewith the required documents.

Sincerely yours,

Signature of vendor with seal

Encl.:

1. Techno-commercial bid with supporting documents
2. Price bid
3. EMD demand draft (along with price bid)

A word copy of Annexure D is available at

<https://drive.google.com/file/d/1TkmehtgUHwESQ7zqHjYD5VcopSdGqJqw/view?usp=sharing>



Enclosure check-list

1. Certifications & awards
2. Auditor's report, Balance sheet, P&L / I&E, notes to accounts of two years
3. Copy of GST registration
4. Copy of PAN card
5. Copy of certificate of registration / incorporation
6. Annexure C
7. Copy of work orders / purchase orders of latest 20 family size biogas plant installations
8. MNRE approval
9. Authorization certificate from manufacturer
10. Company brochure & product catalogue
11. Self-declaration about not being a black listed entity (Annexure D)
12. Any other supporting documents