


**ADMINISTRATION OF THE  
UNION TERRITORY OF DAMAN & DIU  
(DEPARTMENT OF TOURISM)  
DAMAN – 396 210**

No. 4 / 264 / JDT / 2011-12/ 255

Date: 16 / 01 / 2012

**NOTICE INVITING TENDER**

Department of Tourism, UT of Daman & Diu invites sealed bids for manufacture & installation of Biodigester in Daman & Diu from 14 Transfer of Technology (TOT) holders identified by DRDE, Gwalior. The Request for Proposal (RFP) document comprising of Detailed Scope of Work and other terms and conditions can be downloaded from the website of <http://www.daman.nic.in> All the selected bidders are advised to check for all clarifications, corrigendum and any other important information against RFP at the web site. The last date of receipt of bid to the undersigned is 30<sup>th</sup> January, 2012 at 4.00 p.m. The tenders will be opened at 4.30 pm on the same day in this office in the presence of the tenderer if any present on the occasion.

  
**(Sanjay Goel)**

Collector/Director of Tourism  
Daman

To,

All TOT holders identified by DRDE, Gwalior

Copy to:

- 1) The SO to the Hon'ble Administrator, Daman & Diu for kind information
- 2) The PA to the Development Commissioner / Spl. Secretary (Tourism) for kind information
- 3) The PA to Finance Secretary / Addl. Secretary (Tourism) for kind information
- 4) The DIO, NIC, Daman with a request to upload the same in the official web site.

**REQUEST FR PROPOSALS (RPF)  
FOR FABRICATION & INSTALLATION OF  
BIODIGESTER IN DAMAN & DIU**

**ADMINISTRATION OF THE  
UNION TERRITORY OF DAMAN & DIU  
DEPARTMENT OF TOURISM  
DAMAN & DIU**



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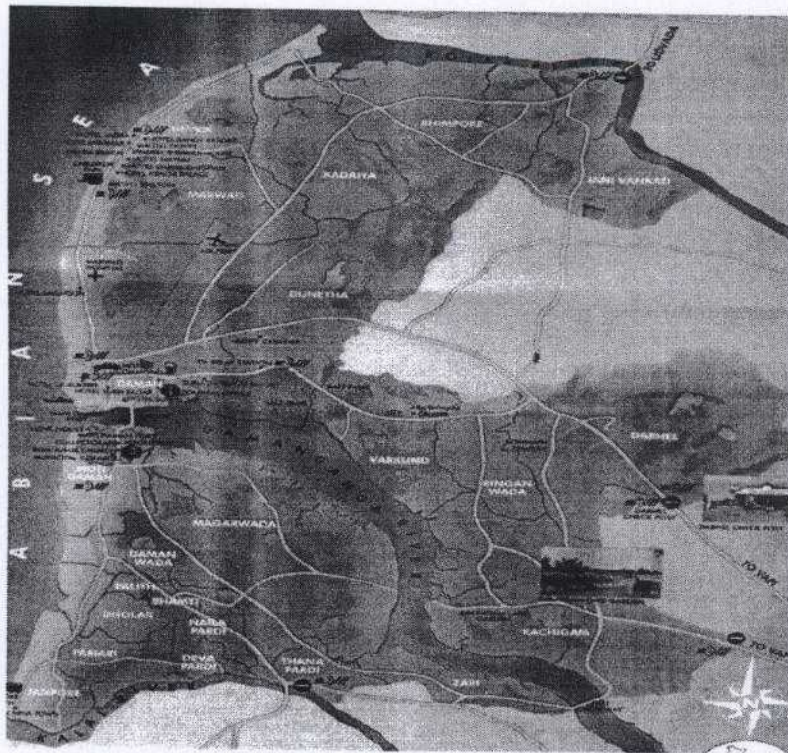
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## INTRODUCTION

The Union Territory of Daman and Diu comprises two districts namely Daman & Diu. Both the districts are situated on western coast of India. The area of Daman district is 72 Sq. Kms. and the area of Diu district is 40 Sq. Kms. Daman is on main land on seashore near southern portion of Gujarat State. Diu is an island near Una taluka of Junagarh district in Gujarat State.

The sewerage disposal of is one of the most serious environmental problems in Daman district. Daman has very porous soil and so the discharge from the soak pits and the present septic tanks contaminated the ground water. Septic tanks constructed in the private houses are not scientific. To sought out the sewerage problem the U.T. Administration has decided to install the Biodigester on experimental basis. Accordingly 50 numbers of Biodigester in different areas of Daman district are to be installed.



## 2) About Bio-digester

The Biodigester is a special type of eco-friendly sanitary system. The biodigester will be connected to existing toilets. The biodigester has two important components: a multi chambered tank and microbial consortium. The biodigester is divided into several chambers for biodegradation of human waste under stationery conditions. The human waste enters the biodigester through toilet inlet and flows through different chambers and in this process gets degraded by the microbial consortium present in the biodigester. The tank is seeded with the anaerobic, microbial consortium only one time for biodegradation for human waste. Generally, half of the tank capacity is filled with the microbial consortium to start the biodegradation process.



DRDE proposes Biodigester Model -SF which is meant for use by single family comprising 4-6 users. Specifications are given below

- Shape:- Rectangular Tank made up of fiber reinforced plastic (FRP)
- Size: - Tank size is 1000 mm (length), 1000mm (width) and 700mm (height). The thickness of the peripheral walls and lid should be approximately 8mm. The tank center should be reinforced for providing more strength.
- The lid should contain a gas outlet pipe of approximately 12mm diameter and 1500mm length. The pipe should be bent from top in such a way so that gas opening becomes parallel to the digester.
- The Biodigester- SF contains three partition wall of approximately 5mm thickness at the spacing shown in the drawing at page 14 as Annexure2.
- The diameter of inlet and outlet pipes should be approximately 120mm. The pipe should be made of PVC with standard plumbing arrangements. The lower side of the outlet pipe opening should be approximately 150mm from the base of the tank.
- Each segment of tank on inner and side walls should contain PVC matrix to enhance the surface area for bacterial attachment.
- Each of the four sections should contain PVC embedded FRP mesh.
- Each partition wall is provided with PVC pipe of approximately 90mm diameter in such a way that the inlet side of the pipe opening is 150mm from the base of the tank.
- There should be a provision of PVC pipe of approximately 15 feet to connect the toilet pan to inlet of biodigester, and the outlet to the soak pit
- Soak pit of 3ft X 3ft X 3ft is to be provided along with the biodigester- SF. The soak pit may be constructed of brick and cement or may be pre-fabricated of FRP.
- There should be provision of at least 9" high brick wall above the ground level all around the biodigester -SF. The biodigester-SF should be covered with cement slabs or FRP resting on the brick wall.

### **3) Minimum Qualifications of bidders**

- Bidder shall be a Transfer of Technology (TOT) holder from DRDE.
- The bidder should not be blacklisted for any corrupt or fraudulent practices any where in India
- Consortium is not allowed by the bidders.

### **4) Proposal Requirements and Information**

#### **a) Key Action Date and Time**

- RFP available to prospective proposers : from 16/01/2012 to 30/01/2012
- Non Refundable Tender cost : ` .1000/-
- Final date of proposal submission : 30/01/2012 at 04.00 PM
- Opening of Commercial bid : 30/01/2012 at 04.30 PM
- Contact person details : Shri. Sanjay Goel, Collector, IAS
- Collector, Daman, Collectorate, Dholar, Moti Daman-396220.  
Phone: 0260-2230689, 2230607, 9726185900



## b) Work plan and Work Schedule Requirements

The scope of work for the bidders is as said below.

- The service is for 50 locations comprising houses/ Government buildings in the entire Daman district
- The type of equipments (Diagrammatic) is attached as annexure 2.
- The bidder has to carry out the work as per annexure 2.
- The bidder has to give a detailed work plan to complete all the activities as per this RFP.
- The bidder shall give a warranty for 1 year duration for the functioning of the biogester from the date of complete installation and inoculation
- The bidder shall also quote separately for the AMC for a period of 5 years after the warranty period is over for each of the islands separately. At least 1 or 2 trained personnel shall be stationed in the island during the period of Warranty and AMC.

## c) Submission of Proposal

- Proposals should provide straight forward and concise descriptions of the proposer's ability to satisfy the requirements of this RFP. The proposal must be complete and accurate. Omissions, inaccuracies or misstatements will be sufficient cause for rejection of a proposal.
- The proposal package should be prepared in the least expensive method. All expenses related preparation and submission of the proposal has to be borne by the bidder.
- All proposals must be submitted under **sealed** cover and sent to Collector, Daman by date and time shown in section 4. Proposals received after this date and time will not be considered.

## 5) Price Bid

- The price bid envelope must be plainly marked with the RFP number and title, firm name and address, and must be marked with "**DO NOT OPEN BEFORE 30.01.2012 at 04.30 PM**", as shown in the following example:  
(Agency Name and Address)

(RFP Number)

(RFP Name)

- Proposals not submitted under sealed cover and marked as indicated may be rejected.
  - Wherever applicable, proposer should carefully examine work sites and specifications. No additions or increases to the agreement amount will be made due to a lack of careful examination of work sites and specifications. If necessary the bidders can visit the islands before bidding.
  - More than one proposal from an individual, firm, partnership, corporation or association under the same or different names, will not be considered.
  - No oral understanding or agreement shall be binding on either party.



## **6) Earnest Money Deposit (EMD)/Security Deposit**

- An EMD amount of ` 10,000 (Rupees ten thousand) only either by Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee for minimum period of One year from any of the commercial Bank in favor of Collector, Daman, and strictly no other mode of payments will be accepted.
- The EMD of unsuccessful Tenders will be returned after the acceptance of the successful tender, at the expense of the tenders with in a reasonable time consistent with the rules and regulations in this behalf.
- EMD of the successful tenderer will be adjusted against the security deposit to be submitted by the successful tenderer.
- The successful Tenderer will be required to remit the Security Deposit equivalent to the total value of the work order apart from EMD by way of Demand Draft payable to Collector, Daman in the form of unconditional irrevocable Bank Guarantee valid for a period of 1 (one) year from the date of acceptance of the tender. If the accepted Tenderer fails to remit the Security Deposit within the period, the EMD remitted by them will be forfeited to the Government account and their tender offer will be cancelled.
- If the successful Tenderer fails to act according to the tender conditions or backs out after his tender has been accepted, his Security Deposit will be forfeited.
- The Security Deposit has to be remitted with in two weeks of issue of work order, failing which the contract stands cancelled.

## **7) Evaluation Process**

- The sealed envelopes containing price bid that meet the format requirements and standards shall then be publicly opened and read.

## **8) Award of contract**

- The decision of the Collector, Daman is final with respect to award of contract.
- By publishing this RFP, the Collector, Daman is not bound to enter in to a contract with any of the bidders and has all right to cancel the selection process at any time without giving any reasons.
- It may be noted that quoting of lowest rate will not confer any firm to get the order automatically.
- U.T Administration of Daman & Diu reserve the rights to award the work on the lowest rates (L1) to other bidders also, in order to get all the biotoilets installed in the Daman district simultaneously for conserving fragile ecology.



### **9) Agreement Execution and Performance**

- The successful Tenderer should execute an agreement for the fulfilment of the contract on the stamp paper. If the same is not executed within 14 days/period, the EMD of the Tenderer will be forfeited and their tender will be held as non-responsive.
- The expenses incidental to the execution of the agreement like transport, accommodation etc. shall be borne by the successful Tenderer.
- The conditions stipulated in the agreement should be strictly adhered to and any violation of any of the conditions will entail termination of the contract without prejudice to the rights of Collector, Daman, UT of Daman & Diu.

### **Time limit for completion of works in various places :-**

- (a) The department wants to install 50 nos of Biodigester in various places namely :-
1. Jampore Beach, Moti Daman.
  2. Devka Beach, Nani Daman
  3. Seashore behind Light House, Moti Daman
  4. Seashore of Nani Daman.
  5. Somnath Industrial area.
  6. Ringanwada Industrial area.
  7. Kachigam Industrial area.
  8. Dalwada Industrial area etc. in the U.T. of Daman.
  9. Houses in rural houses.
- (b) The time limit for completion of the work shall be for one month from the issue of the date of the supply order.
- (c) It is the responsibility of the bidder to transport the biodigester upto the various places and cost shall be included in the price bid. The rates and quantities are approximately and the bidders are asked to make their own inquiry. The rates offered by the bidder should be included with all taxes, transportations etc. The UT administration will not be responsible for variation in the rates of transportation, taxes etc.

### **10) Required Attachments**

#### **Check list**

1	Whether the EMD amount is enclosed	Yes	No
2.	Whether letter of authorization for signing the tender documents is enclosed	Yes	No
3.	Copy of RFP signed on all pages	Yes	No
4.	Whether the price bid cover contain filled up and signed original price bid documents in full with price details	Yes	No

**Note:** - Please ensure all the relevant boxes against each clause are checked by tick mark



## 11) SIGN AND SEAL

- Authorization letter from the appropriate authority authorizing the signatory to sign the tender documents must be enclosed along with Bid. Documents received without such authorization letter will not be considered for further processing.
- If the tender is made by an proprietary firm, it shall be signed with the proprietor's full name & his addresses shall be given. If it is made by a partnership firm it shall be signed with the co- partnership name by a member of the firm who shall also sign his own name, the name & address of each member of the firm shall be given.
- The Tenderer must sign & affix his seal in every page of the tender documents and the complete signed original Tender documents must submitted in respective covers without fail.

I/ We \_\_\_\_\_ have gone through the terms and conditions and will abide by them as laid down above.

- **Tenderer :-**
- **Signature :-**
  
- **Name :-**
- **Seal of the tenderer :-**

## 12) Payment Terms

- 10% of project cost will be given as advance against Bank agreement for 110% of the project cost as per CVC guidelines.
- Payment shall be released after completion of every units. 70 % of payment for 50 units shall be released as 1st installment on satisfactory installation of 50 units and 30% of payment after two months of satisfactory inspection reports and performance of the biotoilets after inoculation.

**Note:** - Inspection report means inspection of samples taken at two different time period with a minimum interval of 14 days between each inspection.



**Annexure 3**

**Financial Bid (offered by Contractor/firms/agency)**

Sr.No	Description of Biodigester.	Cost per unit of SF-biodigester including manufacture, transportation, inoculation and installation and Taxes	Cost of AMC per year as a % of cost of one SF-Biodigester as quoted in column 1. This will be applicable for a period of 5 years after warrenty period is over.
1.	2.	3.	4.
1.			

Tenderer's Signature & Name

Witness  
Signature & Name



Form of Bank Guarantee towards Earnest Money

(BID BOND)

In consideration to the Administrator, Union Territory of Daman & Diu-\_\_\_\_\_, India represented by the Collector, Daman, U.T. of Daman & Diu (herein after referred to as Director, which expression shall include his successors and assigners) on the first part \_\_\_\_\_ and \_\_\_\_\_ M/s..... (herein after referred to as Tenderer) on the second part. The Collectoar, Daman, UT of Daman & Diu having agreed to accept the Earnest Money Deposit ` \_\_\_\_\_/- (Rupees \_\_\_\_\_) only in the form of Bank Guarantee for the tender for the work of the fabrication, Installation and Inoculation, we hereby agree to pay the Collector, Daman, UT of Daman & Diu on receipt of his demand a sum of ` \_\_\_\_\_/- ( Rupees \_\_\_\_\_) and the guarantee will expire on .....

Notwithstanding anything contained in the foregoing, our liability under this guarantee is restricted to ` \_\_\_\_\_/- (Rupees \_\_\_\_\_). Our guarantee shall remain in force for 180 days. Unless a demand under the guarantee is made in before all rights of the Collector, Daman, UT of Daman & Diu under the said guarantee shall be forfeited and we shall be released and discharged from all liability there under.

Dated ..... this ..... 2011.

Accountant

For the Bank of ..... Agent/ Manager.



**FORM OF BANK GUARANTEE FOR SECURITY DEPOSIT****(TO BE USED BY APPROVED SCHEDULED BANKS)****(Performance Bond)**

In consideration to the Administrator, Union Territory of Daman & Diu-396220, India represented by the Collector, Daman, (hereinafter referred to as Owner which expression shall include his successors and assignees) having agreed to exempt ( here in after called 'the said Contractor(s)' from the demand, under the terms and conditions of an agreement to be entered between and for (hereinafter called 'the said Agreement') of Security Deposit for the due fulfilment by the said Contractor (s) of the terms and conditions contained in the said agreement on production of a Bank Guarantee for

.....(Rupees.....) ....., (hereinafter referred to as 'the Bank') do hereby undertake to pay to the owner an amount not exceeding ..... (Rupees ..... ) against any loss or damage caused to or suffered or would be caused to or suffered by the Owner by reason of any breach by the Said Contractor (s) of the terms or conditions contained in the said Agreement. We, .....bank, do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Owner stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the owner by reason of any breach by the said contractor (s) of any of the terms or conditions contained in the said Agreement or by reason of the Contractor's failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regard the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ..... (Rupees.....)

3. We,..... bank, further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the owner under or by virtue of the said agreement have been fully paid and its claim satisfied or discharged or till the owner certified that the terms and conditions of the said agreement have been fully properly carried out by The said contractor (s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or within three months from the expiry date i.e. from ..... we shall be discharged from all liability under this guarantee thereafter.



4. We . . . , Bank, further agree with the Owner that the Owner shall have the fullest liberty without our consent and without affecting in any Manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the owner against the said contractor (s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor (s) or for any forbearance, act or omission on the part of the Owner or any indulgence by the Owner to the said Contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

5. We undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor (s)/supplier(s) in any -quit or proceeding ending before any court or Tribunal relating thereto liability under this present being absolute and unequivocal.

The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the contractor (s)/supplier (s) shall have no claim against us for making such payment.

6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the contractor (s)/supplier (s).

7. We, Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the owner in writing.

Date ..... day of ..... 2011.

FOR ..... BANK



DRAFT

FORM OF AGREEMENT FOR FABRICATION, INSTALLATION, INOCULATION  
TRANSPORTATION AND MAINTENANCE OF BIODIGESTER IN ALL INHABITED  
PLACES OF DAMAN.

THIS AGREEMENT made this \_\_\_\_\_ day of two thousand and eleven between the Collector, Daman, UT of Daman & Diu-396220, India acting through the President of India (Herein after called the owner) on one part ..... (herein after called the contractor) on other part.

WHEREAS the successful bidder has offered/tendered for Fabrication, Installation, Inoculation, Transportation, and maintenance of ..... Nos of Biodigesters as described in more details in clause 1 below to the owner and to maintain/guarantee such works for a period of 5 years after the warranty period of 1 year.

AND WHEREAS the contractor has deposited / given Bank Guarantee for ..... (Rupees .....) only as security, for due fulfillment of all the conditions of this contract.

NOW THESE PRESENTS WITNESS that for carrying the said agreement into execution, the successful bidder on the one part for him self, his heirs , executed and owner of the other part for him self, his assignees or successors mutually covenant, declare, contract and agree in the manner as follows

**Clause 1:- Responsibility of the bidder**

- The bidder shall be a Transfer of Technology Holder (ToT) of Defence Research & Development Establishment, Gwalior.
- The Contractor shall Fabricate, Install, Inoculate, Transport, and maintain the Biodigesters in all Inhabited places of Daman of as per the specifications in RFP.
- Installation and maintenance shall be carried out in presence of the representative of the Department.
- The bidder shall give a warranty for 1 year duration for the functioning of the biodigester from the date of complete installation and inoculation
- The bidder shall also give the AMC for a period of 5 years after the warranty period is over for each unit.



- At least 1 or 2 trained personnel shall be stationed at the place of installations, period of Warranty and AMC.
- The bidder shall arrange for the transportation of the biodigesters up to proposed locations.

**Clause 2:- Responsibility of UT of Daman & Diu**

- Providing of logistic supports to bidders, including liaising with public.
- Inspection of samples taken at two different time period with a maximum interval of 14 days between each inspection.

**Clause 3:- Terms of Payment**

- 10% of project cost may be given as advance against Bank agreement for 110% of the project cost as per CVC guidelines.
- Payment shall be released after completion of every 50 units, 70 % of payment for 50 units shall be released in 1st installments on satisfactory installation of 50 units and 30% of payment after two months of satisfactory inspection reports and performance of the biotoilets after inoculation.

**Clause 4:- Liability**

- If any delay in execution of project beyond the time period, then for every month of delay, 1% of the total cost will be deducted from the project cost.
- If any compliant regarding the functioning of the biodigester is not attend with in 3 days by the bidder/ representatives, the bidder will pay @ ` 100 /- per day to the owner.

**Clause 5:-**

- If any dispute arises between the owner and the successful bidder, the decision of the Administrator shall be final and shall not be open in any court of law.

SIGNATURE with seal

SIGNATURE with seal

In the presence of witness

In the presence of witness

1.

1.

2.

2.