

**OFFICE OF THE MISSION DIRECTOR  
(STATE WATER AND SANITATION MISSION  
WATER SUPPLY & SANITATION DEPARTMENT,  
GOVERNMENT OF MAHARASHTRA)**

**REQUEST FOR EXPRESSION OF INTEREST  
(TECHNICAL AGENCY/FIRMS SELECTION)**

**Empanelment of Technical Support Agencies for Implementation of GOBAR-DHAN Project under Swachh Bharat Mission (Grameen) -II in the State of Maharashtra**

**1. Background :**

Swachh Bharat Mission (Grameen) -II, is a flagship program of the Ministry of Jal Shakti, Government of India (GoI). The mission is aimed to provide effective solid and liquid waste management (SLWM) as an important component of SBM (G) - II. State Water and Sanitation Mission (SWSM), Water Supply and Sanitation Department, Government of Maharashtra is implementing Swachh Bharat Mission (Grameen) -II in the State of Maharashtra.

GOBHAR is an acronym for Galvanizing Organic Bio Agro Resources. The aim of this scheme is to ensure cleanliness in villages and generate wealth and energy by converting cattle dung and solid agricultural waste into Bio Gas and compost. Under the Swachh Bharat Mission (Rural), the Government of India strides to use animal dung and other bio-waste to produce energy.

The Swachh Bharat Mission (Gramin)-II focuses on open defecation free villages and management of Solid and Liquid Waste creating clean villages in the country. With many States achieving ODF status, solid and liquid waste management takes prime importance in the endeavour to make the villages of India clean and health. There are about 300 million bovines, 65.07 million sheep, 135.20 million goats and about 10.30 million pigs as per 19<sup>th</sup> Livestock Census (2012) in the country. Cattle population constitutes 63% of the total livestock in 2012, the last Census for Livestock. An estimated amount of at least 5257 tonnes waste/day is generated based on these estimates.

Currently cattle dung and a portion of agricultural waste is used as cooking fuel. However, WHO estimates about 5 lakh deaths in India due to indoor air pollution caused by unclean cooking fuel. Women and children suffer the most, as they spend large amounts of their time near indoor cooking hearth.

In an effort to make the villages open defecation free and improve the lives of villagers, the SBM(G)-II announced the launch of Galvanizing Organic Bio-Agro Resources Dhan (GOBAR-DHAN) scheme in July 2020. Gobar-Dhan shall benefit rural people in general and women in particular from this clean fuel and also through improvements on health and improvements on health and improvement in cleanliness in the villages.

**2. Purpose of EOI:**

The *Water Supply and Sanitation Department Mumbai* invites eligible firms/ Technical Institutions/Research Organizations/NGO's indicate their interest in establishing a Technical Agency at State Level for implementing and handholding the GOBAR-DHAN scheme to complement initiatives in districts, and meet the goals of Swachh Bharat Mission. This initiative shall support biodegradable waste recovery and conversion of waste into resources. This shall provide economic and Resource benefits to farmers and households and also support creating clean villages which is the objective of Swachh Bharat Mission (Gramin)-II.

**3. Gobardhan Project Background and Objectives:**

GOBAR-DHAN scheme will be focused on supporting villages to be self-reliant through generation of wealth and energy from waste and is a crucial component of the ODF Plus strategy of SBM(G)-II. The objective of the scheme is to increase rural income, rural jobs and to keep villages clean through solid waste management.

GOBAR-DHAN scheme will be focused on supporting villages to be self-reliant through generation of wealth and energy from waste and is a crucial component of the ODF Plus strategy of SBM(G)-II. The objective of the scheme is to increase rural income, rural jobs and to keep villages clean through solid waste management. The programme will be implemented using SLWM funding pattern of SBM-G II. Guidelines. Under SBM (G)-II. The Finance assistance of Rs. 50 Lakhs per district will be provided for model GOBAR-DHAN projects at the district level. To

encourage further scaling up of GOBAR- dhan projects at lower level (minimum 10 projects per block to be taken up) Finance assistance for model GOBAR-DHAN projects will be provided under 15<sup>th</sup> Finance or other resources of GP/Dist./State. For model GOBAR-DHAN projects, the districts should preferably take up community level projects near Gaushalas for uninterrupted supply of organic wastes to make project sustainable in the long run as well as to promote business models.

Funding for SLWM project under SBM(G)-II will continue to be provided by the Central and State Government in the ratio of 60:40 as per the existent formula. Only those Gram Panchayats, which have not availed SLWM funds under SBM(G)-II are eligible to receive the financial assistance under GOBAR-DHAN Scheme, subject to the limits of guidelines. However, States shall have the flexibility to provide additional funds to any GP based on viability under the scheme.

Accordingly, this scheme aims to positively impact the state with 3Es, which are as following:

- a) Energy: Self-reliance with respect to energy through utilization of agricultural and animal waste to generate bio-energy through bio-gas plants.
- b) Empowerment: Engaging rural people, especially women self-help groups in construction, management and day to day operations of biogas plants.
- c) Employment: Generating jobs among the rural youth and women through collection of waste, transportation to treatment plants, management of treatment plant, sale and distribution of biogas generated, etc.

The scheme is intended to manage and convert cattle dung and solid waste in farms to compost, bio-slurry, bio-gas and bio-CNG. This initiative shall support biodegradable waste recovery and conversion of waste into resources.

#### **4. Broad Scope of Work :**

It has been decided to setup Bio Gas plants in rural areas for utilizing cattle and agricultural waste, kitchen waste to produce Bio gas-based energy and bio slurry for agriculture purpose. Meanwhile, the Gobar Dhan Scheme will encourage the farmers to consider dung and other waste not just as a waste but as a source of income. The Gobar Dhan scheme or Gobar Dhan Yojana will provide many benefits to the rural people. It will be easier to keep the village clean and sanitized, livestock health will improve and farm yields will increase. Biogas generation will increase self-reliance in energy utilized for cooking and lighting. Farmers and cattle herders will be helped in augmenting their income. There will be novel opportunities for newer jobs linked to waste collection, transportation, Biogas sales, O&M of biogas plants, etc. In addition to this, an online trading platform can be created for better implementation of GobarDhan Yojana that will connect farmers to buyers so that they can get the right price for dung and agricultural waste.

The broad scope of work for implementation of Gobar Dhan Scheme is as below:

- Generating wealth from waste in rural areas will require the involvement of all actors and sectors, Investments from the private sector and local entrepreneurs will be needed.
- Panchayats and village communities play key roles to leverage the utilization of animal and organic waste that goes into water bodies, dumping sites and landfills.
- Informal sanitation service providers be integrated into the system by training and licensing them.
- With appropriate policy interventions the sector can be scaled up into opportunities for growth, leading to increased income, long-term livelihoods and, of course, more Swachh villages.
- Gobar Dhan Yojna will help in producing cleaner fuels which will lead to shift to Bio Gas and Bio CNG.
- It provides a commercially viable model for waste management. This increases the sustainability of the project reducing the dependency on Imports for CNG, as India imports more than 60% of its Demand.
- Providing additional source of income for farmers. Thus aids in achieving the target of doubling of farmer's income by 2022.
- Though India is energy surplus country there is still large number of population without access to electricity. This initiative will provide for alternative source of energy in the places here conventional energy could not penetrate.
- Augmenting the efforts under Swachh Bharat Mission by providing for better waste management.

The programme will be implemented using SIWM funding pattern of SBM-(G)-II Guidelines. Guidelines. Under SBM (G) II. the Finance assistance of Rs. 50 Lakhs per district will be provided for model GOBAR-DHAN projects at the district level. To encourage further scaling up of GOBAR- dhan projects at lower level ( minimum 10 projects per block to be taken up) Finance assistance for model GOBAR-DHAN projects will be provided under 15<sup>th</sup> Finance. For model GOBAR-DHAN projects, the districts should preferably take up community level projects near Gaushalas for uninterrupted supply of organic wastes to make project sustainable in the long run as well as to promote business models.

Funding for SLWM project under SBM (G)-II will continue to be provided by the Central and State Government in the ratio of 60:40 as per the existent formula.

Only those Gram Panchayats, which have not availed SLWM funds under SBM(G)-II are eligible to receive the financial assistance under GOBAR-Dhan scheme, subject to the limits of guidelines However, States shall have the flexibility to provide additional funds to any GP based on viability under the scheme.

## 5. Broad Scope of Work for Technical Agency:

Technical agency will prepare the DPR of Biogas Plant as a Lighthouse projects by following waste assessment, Feasibility, and handholding technical support for the installation, operation and maintenance to the implementing agency for the waste management facilities up to a required capacity. The scope includes the overall technical support to the implementing agency such as Gram Panchayat SHG federation Group and Bulk Waste Generator. The empanelled Technical agencies shall be engaged for the task by the Drinking water & Sanitation

Department through prevailing tender procedures,

The broad scope of work for Technical agency/Firm under GOBAR Dhan Scheme are as below:

- The Technical Agency will prepare the DPR of Biogas plant including integrated waste assessment, design and proposal of technology based on waste to Energy concept.
- The Technical agency will provide support to the state for the technical and financial feasibility of biogas plant which fulfill GoI specifications.
- The Technical Agency will provide technical support for the feedstock calculation, technical know-how, sustainability factor and cost benefit analysis.
- The Agency will give the hand holding/full support for the selection of suitable and sustainable technology of Bio gas plant.
- Selection of technology/equipment should meet the Quality Standards of BIS (IS: 16087, 2013) so that there would be on any adverse effect on environment.
- Technical support for field level implementing Agency for supply, installation, operation and Maintenance of Biogas Plant for specified period.
- Empanelled agencies list will be reviewed and finalised by the ***State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State.***

## 6. Implementation Process:

- a) State Mission Director will issue sanction order to the Entity for constructing the Bio Gas Plant after approval from ***State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State.***
- b) Entity will initiate setting up the project as per prescribed timeline.
- c) Entity ensures deployment of staff needed for construction and management of the project.
- d) Entity will select collectors of waste preferably from the local population. They will be provided basic training in waste management including collection, segregation and transportation, through a State approved agency/KRC. Training plan will be decided in consultation with ***State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State.***
- e) Release of incentive to Entity as prescribed in guideline/GOI policy.
- f) Functioning of the project will be monitored periodically by District /State Centre

## 7. Institutional Arrangement :

**State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State.**

To implement Gobar-Dhan Project Successfully, **State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State.** vide Govt. Resolution WSSD dated 24/12/2020. This

committee will finalized the Gobar-Dhan Projects at State level and District level. Also this committee will finalize empanelment of Technical Agency required for Gobar-Dhan Model Project at State Level.

**District Level Committee Constituted under Collector, District**

To implement Gobar-Dhan Project Successfully, **District Level Committee Constituted under Colletor, District.** vide Govt. Resolution WSSD dated 24/12/2020. This committee will finalize the Gobar-Dhan Projects at District level. Also this committee will finalize empanelment of Technical Agency required for Gobar-Dhan Model Project at District Level. **District Level Committee Constituted under Colletor, District** will recommend projects for approval to **State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State**, for each project.

**The Department responsible for implementation:** For implementation of SBM(G)-II, the District shall play a central role in implementation of the GOBAR-Dhan program in the district The District Water and Sanitation Committee (DWSC) headed by District Collector/CEO/Dy Commissioner would be responsible for the following:

- a) Identification of Gram Panchayats for implementation of GOBAR-Dhan project,
- b) Selection of Entity for implementation of the Projects.
- c) Scrutiny and review of GOBAR-Dhan proposal and DPR submitted by the Entity and obtain approval of the **State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State.**
- d) Ensure timely fund flow for approved projects
- e) Monitor implementation of the GOBAR-Dhan projects and report progress to State and GOI.
- f) Any other responsibility assigned by the Central or State Government Gram Panchayats shall be responsible for the following

**Gram Panchayats**

Gram Panchayats shall be responsible for the following :

- 1) Identification of appropriate site for construction of the plant in consultation with the Entity
- 2) Ensuring a Gram Sabha and resolution for participation of the village for the GOBAR-DHAN project implementation
- 3) Support the Entity in identifying households that can contribute to the project
- 4) Monitoring the progress of the project along with the Entity
- 5) Reporting progress to District on the implementation of the project

**8. Selection Criteria:**

**1) For selection of implementation agencies:**

- a) The entity must be registered under Society Registration Act, Trust Act/ Cooperative Act/ Companies act/ Partnership Act Proprietorship Act
- b) If SHG federation
  - They must be at least 5 years old
  - Must have bank account and audited account statement for 5 years
  - Repayment ability within the limit
  - Must be supported by a technical agency with biogas experience
- c) The entity must have an experience of one year or more in managing a biogas plant
- d) The entity will have demonstrated capacity to hire staff/personnel who will be responsible for collecting waste from the households/village
- e) The entity shows capability to fund the project on its own, even if the scheme provides for partial funding.
- f) Preference maybe given to those engaged in agrarian activities.
- g) The entity will have technical experience and capacity to construct and operate and manage the bio-gas plant.
- h) The entity commits to share the proceeds from the program with household villages upfront which contribute to the program.
- i) Should have a valid Service Tax VAT/TIN numbers for the fine of business the entity is engaged in.
- j) The entity commits upfront to make the village free from bio waste mainly animal dung.

- k) The entity must have their own land or on lease, unless it in an SHG, where the GP may provide land.

**2) Selection criteria for Gram Panchayats**

- a) Gram Panchayats that have cattle population equivalent to 30-40% of village population.
- b) The Gram Panchayat will have a minimum of 150 households.
- c) Gram Panchayats agree to work with the selected entity and support in setting up and operation of bio-pas plants.

**9. Eligibility Criteria for Empanelment of Technical agency/Firm:**

- a) The interested entity should essentially meet the following eligibility criteria:
  - 1) The agency must possess minimum 1 years' experience, expertise and manpower in DPR preparation, installation, operation and maintenance of community level waste management facilities including composting and bio-methanation processes)
  - 2) The agency should have GST registration certificate.
  - b) Documents supporting the past experience, list of existing and past clients with full details including services offered, details of similar projects executed, with copies of agreements/work order / completion / satisfactory certificates, CVs of key personnel and other related details to verify all eligibility criteria must accompany the EOI.
  - c) The agency should not be blacklisted or debarred by any state govt/govt. agencies/PSUs/GOI:
10. Interested agencies are requested to furnish willingness for undertaking GOBAR-DHAN projects, supported by credentials and testimonials and relevant experience in the prescribed format available in the EOI. The detailed Expression of Interest can be downloaded from department's website [www.water.maharashtra.gov.in](http://www.water.maharashtra.gov.in) or [www.wssso.in](http://www.wssso.in)
11. The agency will be hired for duration of minimum 60 months from the date of signing of the contract. The contract can be further extended with the mutual consent of both parties but on the same terms and conditions.
12. Interested agencies may obtain further information at the address mentioned below.
13. Joint venture/ consortium not allowed.

**Note:-**

- a) As per policy of Central Government for Gobardhan, for such services provided by the empanelled Technical agency an incentive as approved by **State Level Committee Constituted under Hon. Chief Secretary, Maharashtra State** on approved cost of DPR proposal shall be payable to the empanelled technical agency as turnkey fee which is all inclusive cost such as man power, 5 years O & M, supervision etc. Turnkey fee (Old Norms 10% of SBM entitlement for Gobardhan) may change by GoI time to time, which will be applicable to empanelled Technical Agency under SBM II.
- b) For model "D" Gobardhan Project by eligible enterprises no financial incentive shall be payable

**14. Preparation for Submission of EOI :**

- a. The technical agency shall ensure that it fulfils all the eligibility criteria and other essential conditions.
- b. The Eoi complete in all respects must be submitted together with requisite information and annexures.
- c. The Eoi should be free from the ambiguity, change or interlineations.
- d. Incomplete Eoi will not be considered and liable to be rejected without making any further reference to the entity.
- e. The Eoi shall be duly signed on each page by person authored by the agency. Documents of the agency authorising such person must accompany the Eoi Swachh Bharat Mission (Gramin) II. Drinking water and Sanitation Department reserves the right to reject outright any Eoi unsupported by proof of the signatory authority.

- f. The included annexures I, II and III, IV and V shall also be attached along with technical proposal for furnishing details to evaluate the agency's competency in the field.
  - g. Audited balance sheet for the past 3 consecutive years (FY 2017-18, 2018-19 and 2019-20) to be furnished along with the application.
15. Expressions of interest along with all necessary supporting documents should be submitted in a sealed envelope super scribing **EOI for Empanelment of Technical Support Agencies for Implementation of GOBAR-DHAN Project under Swachh Bharat Mission (Grameen) -II in the State of Maharashtra** to the address mentioned below latest by **05 / 04/2021 up to 17.00 Hrs.**

Project Director (SBM)  
State Water and Sanitation Mission  
CIDCO Bhavan (South wing) 1st Boor, CBD Belapur, Navi Mumbai,  
Maharashtra 400614  
Telephone No: 022-27562546 (O), 022-27562363  
[Email-directorwssso@gmail.com](mailto:Email-directorwssso@gmail.com)  
Website : [www.water.maharashtra.gov.in](http://www.water.maharashtra.gov.in) , [www.wssso.in](http://www.wssso.in)

(Rahul Sakore)  
Office of the Project Director (SBM)  
State Water and Sanitation Mission

**Annexure-I**  
**LETTER OF SUBMISSION**

(On the Letter head of the technical agency including full Postal Address, and Telephone, Facsimile and email address.)

Reference No. \_\_\_\_\_

Date: \_\_\_\_\_

To  
Project Director (SBM),  
State Water & Sanitation Mission,  
Maharashtra

Sir,

SUBJECT: "Expression of Interest (Eol) for the empanelment of Technical Agency providing technical support to the Implementing Agency for composting and bio methanation processes/DPR preparation plant installation, O & M for 5 years in GOBAR DHAN Scheme under Swachh Bharat Mission (Gramin)-II, Maharashtra".

Having examined and understood the details given in Eol document for the above project, We ..... hereby submit the relevant information for considering the EOI for Technical agency for the Technical support to the Implementing agency for composting and bio-methanation processes/plant installation, O & M for 5 years in GOBAR DHAN scheme under Swachh Bharat Mission (Gramin)-II Maharashtra.

- a) We here by certify that all the statements made and information supplied in the enclosed forms and accompanying statement is true and correct.
- b) We have furnished all information and details necessary for the Eol and have no further pertinent information to supply.
- c) We also authorize Swachh Bharat Mission (Gramin)-II or their authorized representative to approach individuals, employers and entities to verify our competence and general reputation
- d) We declare that all the provisions of this EOI Documents are acceptable to us. We also declare that we have not been debarred blacklisted by any Government/Semi Govt. Organization in any country

Signature of the Authorized Signatory  
Seal of the Company

Date of Submission

## Annexure-II

### GENERAL INFORMATION OF TECHNICAL AGENCY

*Note: Separate sheets may be used wherever necessary*

1. Name & Address of the Technical Agency:
2. Name & Designation of the concerned officer to whom all reference shall be made :
3. Phone Nos/Mobile Nos/Fax Nos:
4. E-Mail ID:
5. Chief of the Agency:  
E-mail Id:  
Telephone:
6. Total No. of Employees/Technical Manpower/Strength.
7. Type of the Organization (Public Sector/Limited/Private Limited/ Partnership/Proprietary/  
Society/Any other)
8. No. Of the Offices/ Centres (enclose the list):
9. Bidder's Proposal No. & Date:
10. Any other information that bidder may like to give in order to highlight his bid:
11. Name & Address of local representative, if any:

Place:

Date:

Signature of the agency authority

Full Name

Designation

Seal:



**Annexure III**

**Name of the TECHNICAL AGENCY**

DETAILS OF WORKS AND SERVICES OF SIMILAR NATURE DONE BY THE PARTY (which best illustrate Qualification):

No.	Name of Agency	Description of work	Value of work	Period		Remarks
				From	To	

Note: Photocopy of Performance Certificate/ Completion Certificate/Satisfaction Certificate of Client in support of the work mentioned above may be enclosed.

*Note: Separate sheets may be used wherever necessary.*

Signature of the agency authority

**Annexure-IV**  
**(Information regarding Human Resources)**

No.	Name of Persons	Educational Qualification	Total years of relevant experience	Email id	Contact number	Resume attached (Yes/No)

(Attach resume of the concerned Human resource separately)

**Signature of the agency authority**

**Declaration**  
**(Affidavit to be signed by authorized signatory)**

I ..... (Name of the agency) that our firm is not being blacklisted or debarred by any state Govt/Govt Agency/PSU/GOL, if any information is wrongly quoted or submitted by us will result in disqualification of our firm.

**Signature of Authorised Representatives**