

महाराष्ट्र शासन
पाणी पुरवठा व स्वच्छता विभाग
पाणी व स्वच्छता सहाय्य संस्था

सिडको भवन (दक्षिण कक्ष), १ ला मजला, सी.बी.डी., बेलापूर, नवी मुंबई-४००६१४

ई-मेल directorwssso@gmail.com

दूरध्वनी क्र. : 022-27562546 (O), 022-27562363

WS-2/CR-106/2018/WSSO/1157 /

Date - 18/01/2019

सूचना

(गोबरधन २०१८-१९)

गोबरधन योजनेअंतर्गत अंमलबजावणी यंत्रणा जसे ग्रामपंचायत SHG फेडरेशन, मोठया प्रमाणातील कचरा निर्माते यांना बायोगॅस प्लांटची उभारणी व ५ वर्षांच्या कालावधीसाठी दैनंदिनी देखभाल दुरुस्ती या कामाकरिता, तांत्रिक सहाय्य देण्यासाठी राज्य स्तरावर तांत्रिक यंत्रणा एम्पॅनेल करावयाचे आहे.

स्वच्छ भारत मिशन (ग्रामीण) कार्यक्रमाअंतर्गत गोबरधन योजनेच्या अंमलबजावणी साठी, ग्रामपंचायत SHG फेडरेशन, मोठया प्रमाणातील कचरा निर्माते या अंमलबजावणी यंत्रणांना बायोगॅस प्लांटची उभारणी व ५ वर्षांच्या कालावधीसाठी दैनंदिनी देखभाल दुरुस्ती या कामाकरिता तांत्रिक सहाय्य प्रदान करणेकामी, पाणी व स्वच्छता सहाय्य संस्था राज्य स्तरावर तांत्रिक यंत्रणा एम्पॅनेल करण्यासाठी स्वारस्य अभिरुची प्रस्ताव मागवित आहे.

इच्छुक यंत्रणांनी त्यांचे प्रस्ताव सर्व प्रमाणपत्रे व प्रशंसापत्रे सह संकेतस्थळावर उपलब्ध असलेल्या निर्धारित प्रपत्रा मध्ये "संचालक, पाणी व स्वच्छता सहाय्य संस्था" यांचे नावे मोहोर बंद लिफाफ्यामध्ये दि.२६.०२.२०१९ रोजी दुपारी २.०० वाजेपर्यंत द्यावे.

www.water.maharashtra.gov.in या संकेतस्थळावर स्वारस्य अभिरुची प्रस्ताव सविस्तर माहिती देण्यात आली आहे. पाणी व स्वच्छता सहाय्य संस्था या कार्यालयाचा पत्ता खालीलप्रमाणे.


संचालक यांचे कार्यालय

पाणी व स्वच्छता सहाय्य संस्था

सिडको भवन (दक्षिण कक्ष), १ ला मजला, सी.बी.डी.,

बेलापूर, नवी मुंबई-४००६१४

पाणी व स्वच्छता सहाय्य संस्था स्वारस्य अभिरुची प्रस्तावामध्ये कोणतीही दुरुस्ती करण्याची किंवा स्वारस्य अभिरुची प्रस्ताव कोणतेही कारण न दाखविता रद्द करण्याचे अधिकार राखून ठेवत आहोत.


(राहुल साकोरे)
संचालक

पाणी व स्वच्छता सहाय्य संस्था

Maharashtra State

Water Supply & Sanitation Department

Water & Sanitation Support Organisation

1st floor, Cidco Bhavan (South wing) CBD Belapur Navi Mumbai,
Maharashtra 400614

Email- directorwssso@gmail.com

Telephone No: 022-27562546 (O), 022-27562363

WS-2/CR-106/2018/WSSO/1157 /

Date - 18/01/2019

Notice

(Gobar-Dhan 2018-19)

Expression of Interest (EoI) for the empanelment of Technical agencies for the technical support of Implementing agencies such as Gram Panchayat, SHGs federation, Bulk waste generator model for the Biogas plant installation, operation and maintenance upto 5 years.


Water & Sanitation Support Organisation, Maharashtra invites EoI from the competent and experienced agencies as a Technical Agency for the technical support of Implementing agencies such as Gram Panchayat, SHGs federation, Bulk waste Generator and entrepreneur model for the Biogas plant installation (Biomethanation & Composting) operation and maintenance of Plant upto 5 years.

Interested agencies are requested to furnish willingness for association with Water & Sanitation Support Organisation with credentials and testimonials in the prescribed format available in the website addressed to "Director, Water & Sanitation Support Organisation Belapur Navi Mumbai" in sealed envelope, before 2PM on 26.02.2019.

Details are also available in website www.water.maharashtra.gov.in & office address given below

Office of the Director
Water & Sanitation Support Organisation
1st floor, Cidco Bhavan (South wing) CBD Belapur Navi Mumbai,
Maharashtra 400614

Water & Sanitation Support Organisation reserves its rights to cancel or modify this Expression of Interest (EoI) without assigning any reasons thereof.


(Raju Sakore)
Office of the Director
Water & Sanitation Support Organisation

OFFICE OF THE MISSION DIRECTOR, SANITATION

(WATER SUPPLY & SANITATION DEPARTMENT)

Website: <https://water.maharashtra.gov.in/>

Phone:-022-22621848 (O), 022-22621791 (F)

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

COUNTRY: INDIA

STATE: MAHARASHTRA

NAME OF PROJECT: GALVANIZING ORGANIC BIO-AGRO RESOURCE DHAN

INTRODUCTION:

GOBAR 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) 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 endeavor to make the villages of India clean and healthy. There are about 300 million bovines, 65.07 million sheep, 135.20 million goats and about 10.30 million pigs as per 19th 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 Finance Minister in his budget speech in February 2018 announced the launch of Galvanizing Organic Bio-Agro Resources Dhan (GOBAR-DHAN) scheme. Gobar-Dhan shall benefit rural people in general and women in particular from this clean fuel and also through improvements on health and improvement in cleanliness in the villages.

PURPOSE OF EOI:

The *Water Supply and Sanitation Department Mumbai* invites eligible firms / Technical Institutions / Research Organizations/NGO's to 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).

ASSIGNMENT/PROJECT TITLE

Provision of Technical Support to the Project (GOBAR-DHAN) under Swachh Bharat Mission, for implementation of Solid and Liquid Resource Management component under Swachh Bharat Mission-(Gramin).

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). 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). 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 Guidelines. The total assistance under SBM (G) for SLWM projects is worked out on the basis of total number of households in each GP, subject to a maximum of Rs.7 lakh for a GP having up to 150 households, Rs.12 lakh up to 300 households, Rs. 15 lakh up to 500 households and

Rs.20 lakh for GPs having more than 500 households. Funding for SLWM project under SBM (G) 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) 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.

ASSIGNMENT/PROJECT TITLE

Empanelment of Technical agency for technical Support to the implementing agency and preparation of DPR of Biogas plant under the Project (GOBAR-DHAN), Swachh Bharat Mission (Gramin) for Solid and Liquid Resource Management component.

PURPOSE OF EOI:

The Swachh Bharat Mission (Gramin), Drinking Water & Sanitation Department, invites eligible firms /Technical Institutions / Research Organizations/NGO's to indicate their interest in establishing a Technical Agency at State Level for the preparation of DPR of Biogas and technical handholding support to the implementing Agency under 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).

BROAD SCOPE OF WORK

It has been decided to set up Bio Gas plants in rural areas for utilizing cattle dung, agricultural waste, kitchen waste to produce Bio gas-based energy and bio slurry for agriculture purpose. Meanwhile, the GobarDhan Scheme will encourage the farmers to consider dung and other waste not just as a waste but as a source of income. The GobarDhan scheme or GobarDhan 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 GobarDhan 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 incomes, long-term livelihoods and, of course, more Swachh villages.
- GobarDhanYojna 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 where conventional energy could not penetrate.
- Augmenting the efforts under SwachhBaharat mission by providing for better waste management.

The programme will be implemented using SLWM funding pattern of SBM-G Guidelines. The total assistance under SBM (G) for SLWM projects is worked out on the basis of total number of households in each GP, subject to a maximum of Rs.7 lakh for a GP having up to 150 households, Rs.12 lakh up to 300 households, Rs. 15 lakh up to 500 households and Rs.20 lakh for GPs having more than 500 households. Funding for SLWM project under SBM (G) 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) 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.

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 capacity of 5 TPD. The scope includes the overall technical support to the implementing agency such as Gram Panchayat (Model-A), SHGs federation Group (Model B) and Bulk Waste Generator (C). The empanelled 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.
- 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.
- Empanelled agencies list will be reviewed and finalised by the State Level Advisory committee (STAC)

constituted under SBM (G), Drinking water & Sanitation Department, Govt.of Maharashtra.

IMPLEMENTATION PROCESS

- a) State Mission Director will issue sanction order to the Entity for constructing the Bio Gas Plant after approval from STAC

- 6
- 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 STAC.
 - 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

INSTITUTIONAL ARRANGEMENT

State Technical Advisory Committee

There will be a State Technical Advisory Committee at the State level (STAC) which will be responsible for providing policy and implementation support for implementation of GOBAR-Dhan initiatives in the State. The STAC will be responsible for review and approval of proposals and DPRs recommended by States. The STAC shall:

- a) Approve DPRs received from Districts
- b) Provide policy and implementation support to scale up implementation of GOBAR-Dhan initiatives in the State
- c) Ensure timely fund flow for the approved projects
- d) Ensure monitoring and evaluation of GOBAR-Dhan initiatives in the State

District Department Charge for SBM(G)

The Department responsible for implementation of SBM-G in 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 projects
- 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 STAC
- 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

Gram Panchayats shall be responsible for the following:

- a) Identification of appropriate site for construction of the plant in consultation with the Entity
- b) Ensuring a Gram Sabha and resolution for participation of the village for the GOBAR-Dhan project implementation
- c) Support the Entity in identifying households that can contribute to the project
- d) Monitoring the progress of the project along with the Entity
- e) Reporting progress to District on the implementation of the project

ELEGIBILITY CRITERIA

Eligibility criteria 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 households/villages upfront which contribute to the program.
- i) Should have a valid Service Tax/VAT/TIN numbers for the line 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 is an SHG, where the GP may provide land.

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-gas plants.
- d) The GP has not utilized the SLWM funds under SBMG

Eligibility criteria for selection of Technical agency/Firm:

1. The interested entity should essentially meet the following eligibility criteria:
 - a. 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)
 - b. The agency should have a valid Service Tax/VAT/TIN number for the line of business of entity engaged in.
2. 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.
3. The agency should not be blacklisted or debarred by any state govt/govt agencies/PSUs/Gol.

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

- 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.
- Interested agencies may obtain further information at the address mentioned below.

Note :-

- As per policy of Central Government for Gobardhan, 20% of total incentive on the final STAC approved cost of DPR proposal (On Gobardhan incentive) shall be payable to the empanelled technical agency as turnkey fee which is all inclusive cost such as man power, 5 years O & M, etc.
- For model D – any eligible enterprises no financial incentive shall be payable.

PREPARATION FOR SUBMISSION OF EoI:

- a. The technical agency shall ensure that it fulfils 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 is liable to be rejected without making any further reference to the entity.
- e. The EoI shall be duly signed on each page by person authorized by the agency. Documents of the agency authorising such person must accompany the EoI. Swachh Bharat Mission (Gramin), Drinking water and Sanitation Department reserves the right to reject outright any EoI unsupported by proof of the signatory's 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 2014-15, 2015-16 and 2016-17) to be furnished along with the application.


DATE OF SUBMISSION:

The last date for the submission (Sealed hard copy) of the willingness with credentials and others details is 26.02.2019 before 2 PM.

EoI submitted by Email, Speed post/Courier will not accepted.

EoI submission address is as follow:

Director
Water & Sanitation Support Organisation
CIDCO Bhavan (South wing)
1st floor, CBD Belapur Navi Mumbai,
Maharashtra 400614
Telephone No: 022-27562546 (O), 022-27562363
Email- directorwssso@gmail.com


(Rahul Sakare)
Director
Water & Sanitation Support Organisation

**Annexure-I
LETTER OF SUBMISSION**

(On the Letter head of the technical agency including full Postal Address, and telephone, facsimile and e-mail address.)

Reference No. _____
Date: _____

To
Director,
Water & Sanitation Support Organisation,
Maharashtra

Sir,

SUBJECT: "Expression of Interest (Eoi) 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),Maharashtra".

Having examined and understood the details given in Eoi 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),Maharashtra.

- a) We hereby 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 EOI and have no further pertinent information to supply.
- c) We also authorize Swachh Bharat Mission (Gramin) 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 no.s / Mobile no.s/ 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 offices / Centers (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 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)

SN	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

Annexure-V

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/GOI, if any information is wrongly quoted or submitted by us will result in disqualification of our firm.

Signature of Authorised Representatives