

SURAT MUNICIPAL CORPORATION (SMC)

Request for Proposal

For

**Operation and Maintenance of 1 TPD Organic
Waste Treatment facility in Surat
for a period of 5 years**

Issue Date: March -2017

Notice No. ADCE(CIVIL) /Drainage/29/2016-17

SURAT MUNICIPAL CORPORATION
DRAINAGE DEPARTMENT

**Request for Proposal of Operation and Maintenance of 1 TPD
Organic Waste Treatment facility in Surat**

As a part of the comprehensive solid waste management system of the City , Surat Municipal Corporation has installed 1 TPD Organic waste Composting plant to treat segregated organic Municipal Solid wastes. Agency has to undertake operation and maintenance of the Organic Waste treatment plant. The Surat municipal corporation would provide organic waste, Organic waste converter (OWC 500 machine), Electricity and water at the treatment site.

Participation offer is sought from reputed firms, Companies, NGOs and /or associations, individuals, who are interested in operating and maintaining following project in an integrated manner.

1. Organic Waste treatment

Interested parties while submitting their proposal shall provide details pertaining to relevant work experience; available infrastructure, their financial position as reflected in their balance sheets, their tentative action plan for being a part of this project. A brief project profile along with funding arrangement may also be indicated. Proposal shall be incorporated with treatment including work plan, maintenance schedule and process description .

The date and address for submitting the Proposal in sealed cover with clearly indicating name of work in cover by RPAD/SPEED POST are as below:

Last Date: 31st March, 2017.

Chief Accountant

Surat Municipal Corporation

Muglisarai, Muglisara Main road,

Surat

Note: Proposal without EMD of Rs. 10,000 (Demand Draft only/-) in favor of The Commissioner, Surat Municipal Corporation, Muglisara, SURAT will not be considered for evaluation.

Detailed Request for proposal document may be downloaded from www.suratmunicipal.org

For further clarification; Please send your queries on or before 15/03/2017

Executive Engineer (Drainage Department)

Email:exen.drainage@suratmunicipal.org

Executive Engineer
Drainage Department,
Surat Municipal Corporation



Notice No. ADCE(CIVIL) /Drainage/29/2016-17

Request for Proposal- For Operation and Maintenance of 1 TPD Organic Waste Treatment facility at Anjana

Surat Municipal Corporation invites Participation for establishing Organic waste Treatment facility with total capacity of 1 TPD.

A. Submission Details

1. Last Date of Submission Up to 31st March, 2017.
2. Mode of Submission through Postal Authority only by RPAD/SPEED Post only with clearly indicating name of work in sealed Cover.
3. Offer along with EMD to be submitted to The Chief Accountant, Mahanagar Seva Sadan, Surat Municipal Corporation, Muglisara, Surat-395003 Gujarat.

B. Offer should be framed considering the following.

1. Experience detail for operation & maintenance of 500 Kg/day Organic waste processing plants established since last 12 months has to submitted for participating in the said work.
2. O&M period shall not be less than 05 years.
3. Financial bid shall be opened after evaluation of technical as well as financial capability.
4. Successful agency shall have to submit security deposit worth Rs.5.00 lacs in the form of Cash/DD/Pay order/FDR to honor the Operation and Maintenance period.

C. Scope of work

1. Agency has to segregate the organic waste and operate 1 TPD Organic Waste Treatment facility
2. Incoming waste may have mixed waste with 50-60% organic waste content, Contractor has to undertake segregation activity before feeding the waste in to the OWC unit.
3. Agency shall clearly note the following :-
 - Agency has to treat at least yearly average of 80 % of organic wastes.
 - The agency shall be responsible for marketing and selling of compost produced.
 - The agency has to handover the waste rejects left behind daily to SMC.
4. The agency has to treat minimum yearly average of 80 % of quantum of installed capacity of Organic waste treatment plant.
5. The contractor shall have to process the required organic waste daily. The contractor shall segregate the waste; feed it into the OWC 500 machine along with necessary

supplements i.e Bioculum, Sanitreat, Herbolcel and Additives to absorb moisture. The cost of supplements shall be borne by the contractor. Nothing shall to be provided by Surat Municipal Corporation excluding electricity and water.

6. The contractor shall be responsible for treating daily 1 metric tonne of Organic waste provided by Surat Municipal Corporation. The Compost produced should be in compliance with the standards of FCO. The marketing and further selling of the compost shall rest with the Contractor. However SMC will facilitate contractor for sale of compost to KRIBHCO in line with MOU executed with SMC for purchase of compost as per FCO standard.
7. The successful contractor has to submit the monthly O&M Record in the following format and the same has to be jointly signed by the Contractor and the concerned SI/Engineer from SMC.

Format - I:- For wastes Processed

Sr. No.	Month	Waste Received	Rejects	Waste processed	Compost Generation	Remarks
	Date	Tonnes/day	Tonnes/day	Tonnes/day	Kg/day	

8. The work force thus engaged shall be paid Minimum Wages, PF, ESI and other allowances as per law, by the Agency. The Agency shall produce a certificate from the Labor Department to prove compliance of the above
9. The agency/Recycler to whom work is entrusted must have all permits obtained from regulatory authority for operation and maintenance of OWC plant and keep record of it.

D. Details of the Unit:-

Technical Specifications

Machinery & Equipment	Specification
Composting Machine OWC 500	a) Power connection :- 3 Phase 400 V
	1 Motor of 10 HP 2 Chopper Motors of 3 HP each
	Total HP requirement = 16 HP
	b) Brim Capacity :- 500 Lit
	c) Waste Batch Size:- 170 Kg
	d) Batch Duration :- 30 min
	e) MOC :- All Contact parts of SS 304
	f) MOC of Outer Cover:- Stainless steel
g) Trolley :- One no. of SS - 304	
High Speed Garden Shredder	a) Garden Shredder is required if garden waste like plant pruning's is to be converted into organic manure
	b) Garden Shredder has a 15 H.P. motor with a capacity of 300 to 500 kgs/hr
	c)MOC :- M.S. Body
Accessories	Specification
Double Curing System	Capacity :- 200 kg of Organic waste per day
	a) 100 No. of HDPE crates of size 54×36×26 cm, laminated with aerating net
	b) 1 No. of Four shelf folding storage rack of size 365×120×255 cm
	c) 1 No. of Leachate collection tray of G.I. of size 150×55×7 cm
	d) Double Fogger:- Moisture control fogging system, consisting of 140 Foggers, Disc filter, Ball valve, 1 No. of Laxmi make Pump, Time control unit for spray and frequency control, One number of Pressure gauge and other accessories like Piping, valves, etc.

Any other Machinery/equipment required for smooth operation of OWC shall have to be provided by successful agency without any extra cost.

E. Scope of SMC is limited to:-

1. SMC will provide Land, Water, Electricity, organic waste and Organic waste Converter Machine only.

F. Project period

60 months, which includes operation and maintenance of Organic waste treatment plant.

G. Penalty Provision:-

It is the responsibility of agency to keep the plant operational throughout operation period of five (05) years except for period of 15 days per year allowed for specialized and routine maintenance of OWC. If OWC is observed idle for period of more than 15 days in a year penalty of Rs.1500 per day for period beyond 15 days shall be levied on agency.

H.Security Deposit:-

The successful agency shall have to submit Security Deposit worth Rs.5.00 lacs in the form of Cash/DD/Pay order/FDR issued in favour of Commissioner, Surat Municipal Corporation for period of 60 months starting from the date of entering in to agreement.

If the operation of plant is not found satisfactory then Surat Municipal Corporation has all the right to forfeit the whole amount of Security Deposit.

Structure for Submission of offer:-

Cover-1:- Sealed and Superscribed with the name of work as "Participation offer for Operation and Maintenance of Organic Waste Treatment facility of 1TPD for Surat Municipal Corporation" and Tender Notice number.

1. EMD of Rs. 10,000 (Demand Draft in Indian rupees only/-) in favor of The Commissioner, Surat Municipal Corporation, Muglisara, SURAT
2. Details as mentioned in point No. B.
3. Any other relevant data which do not indicate. Financial structuring directly/indirectly.

Cover-2:- Sealed and Superscribed with the name of work as "Participation offer for Operation and Maintenance of Organic Waste Treatment facility of 1TPD for Surat Municipal Corporation" and Tender Notice number.

Financial offer in following format along with sign of authorized person

Sr. No.	Component	Amount (including all taxes)/Kg of Compost produce
1	Royalty fee per KG of Compost produced (paid to SMC)	Rs.
	Total	Rs.
Rs. In Words		

Note: Contractor may bid negative or positive as per their financial viability.

Signature of Contractor

Date:

Place:

Cover-3

- 1. Both the cover - 1 & 2 should be put in to the cover no.3**
- 2. All covers shall be sealed and superscribed with the name of work as "Participation offer for Operation and Maintenance of Organic Waste Treatment facility of 1TPD for Surat Municipal Corporation" and Tender Notice number.**

Note:- Blank Tender papers may be downloaded from Surat Municipal Corporation website www.suratmunicipal.org and hard copy shall have to be submitted to The Chief Accountant, Mahanagar Seva Sadan, Surat Municipal Corporation, Muglisara, Surat-395003 Gujarat on or before 31/03/2017 through Speed Post/R.P.A.D. Only.

Executive Engineer
Drainage Department,
Surat Municipal Corporation