

## **INVITATION FOR EXPRESSION OF INTEREST (EOI)**

Development of Treatment/Processing Facility for Animal Carcass waste by using suitable Technology with value added product generation at location identified by PMIDC on Public Private Partnership (PPP) mode.

### LAST DATE FOR SUBMISSION

May 31, 2017, 1500 HOURS

EOI should be submitted at the following address:

**Punjab Municipal Infrastructure Development Company (PMIDC),**  
Punjab Municipal Bhawan, Plot No 3, 5<sup>th</sup> Floor, Sector 35 A, Dakshin Marg,  
Chandigarh-160022

Development of Treatment/Processing Facility for Animal Carcass waste by using suitable Technology with value added product generation at location identified by PMIDC on Public Private Partnership (PPP) mode.

**Punjab Municipal Infrastructure Development Company (PMIDC)**, Chandigarh invites Expression of Interest (EOI) from experienced, financially and technically sound companies interested in Design, Construction and Maintenance of Treatment & Processing Facility for Animal Carcass waste using appropriate technology at locations identified by PMIDC on Public Private Partnership (PPP) basis. The technology should be confirming to all prevailing rules, regulations, norms and acts of MoEF, PPCB, and CPCB and other statutory bodies for the said activity. The EOI can be downloaded from PMIDC website <http://pmidc.punjab.gov.in/> under *Tender* section.

**Important Note**

Method of submission of EOI: **Speed Post/Registered Post or In-person**  
Last date for submission of EOI: May 31, 2017, **1500 hrs**

Complete address to send the necessary documents:

<p>Punjab Municipal Infrastructure Development Company (PMIDC), <b>Punjab Municipal Bhawan (Department of Local Bodies)</b> <b>Plot No 3, Sector 35 A, Dakshin Marg, Chandigarh-160022</b></p>
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## **I. GENERAL INFORMATION**

### **A. PURPOSE**

PMIDC is requesting proposal to provide a facility to dispose-off Animal Carcass using appropriate technology/scientific methods. PMIDC is seeking proposal from qualified companies and entities that will use the modern and scientific technology to dispose of the dead animal carcass, subject to the terms and conditions contained in this Expression of Interest (EOI). Vendors that satisfy the minimum qualifications are encouraged to submit the proposals for the PMIDC considerations.

### **B. SCOPE:**

PMIDC wishes to evaluate the possibility of using modern and scientific technology to dispose of dead animal carcass in Punjab state. PMIDC is issuing this Expression of Interest (EOI) to receive proposals from qualified companies that will use suitable technology to dispose of the dead animal's carcass, subjected to the terms and conditions contained in this EOI. The broader scope will include Design, Construction, Development as well as Operation & Maintenance of treatment/processing facility. Vendors that satisfy the minimum qualifications described in the EOI are encouraged to submit their proposals for the PMIDC considerations.

For the purposes of this EOI, scientific and modern technology to dispose of dead animal's carcass means which:

- a) Provides complete dispose of dead animal carcass in an environmentally friendly manner and
- b) Reduces risk of ground, surface water and air pollution, contamination of soil and water and eliminates pathogens and disease causing vectors.

Suitable technologies for disposal of dead animals include high temperature destruction but not limited to incineration, gasification, thermal destruction, pyrolysis or any hybrid or combination of these technologies.

### C. BACKGROUND:

Punjab state predominantly being agricultural based economy where significant population resides in the rural area. The rural-based population is engaged in farming, dairy, Livestock rearing etc. Currently, there is lack of facilities for proper and environmentally friendly disposal of dead animals, which poses greater risk to land and water contamination. The unorganized and open dumping of dead animals attracts predators, nuisance to the nearby communities and release foul smell into the atmosphere due to open decomposition of dead waste.

## 2. ESSENTIAL QUALIFICATIONS:

Companies having the minimum qualifications are encouraged to submit the EOI as follows:

- a. The companies should have experience in Treatment, Processing and generating value added products & disposal of Animal Carcass waste with appropriate technology.
- b. The company should prove its financial and technical capacity with relevant documents and audited certificates to install and run the project successfully.
- c. All the applicants will be informed about the results of evaluation.

At a minimum each, proposal shall describe the company's qualifications and relevant experience. The description of the Company's qualifications must include all of the information requested in the following subsections:

### I. Company's Profile:

The Vendor shall submit a business profile, which shall include:

- Name
- Legal Status (Company: Public/Private, Partnership, Limited Liability Partnership, Sole Proprietorship, any other)
- Country of Incorporation
- Date of establishment in DDMMYY format

- Principal place of business
- Contact details of designed representative
  - Name
  - Designation
  - Address
  - Phone No./Fax No./E mail
- Resume of key personnel

The company may provide above-mentioned information in a clear tabular form as per the Table given below:

Name of Company with Complete Address	Key Person of the Company	Turnover/Income of the Company in Last 5 Years	Number of Similar Projects

## II. Minimum Experience

All Vendors shall provide the PMIDC with sufficient information to demonstrate that the Vendor has the experience and qualifications to successfully complete the Vendor's work for the PMIDC. At a minimum, each Vendor shall provide the PMIDC with a description of atleast two (2) projects that

- a) The Vendor has undertaken within the last five (5) years;
- b) Involves major components, facilities and work that are similar to the facilities and work required by this EOI;
- c) Can demonstrate rights and access to technology that has been proven to work over the last five (5) years.
- d) The Vendor shall have a quality certificate i.e. ISO for manufacturing of similar equipment.

## 3. TECHNICAL DETAILS ABOUT THE PROJECT:

S. No	DESCRIPTION	COMPANY RESPONSE
1.	Area required for the project (sq meter) Total Land Required?	

	Plant footprint?	
2.	Civil work cost (detailed break-up cost) Construction cost Electrical Cost	
3.	Technical details of Machinery <ul style="list-style-type: none"> <li>• Burning capacity of Unit</li> <li>• Mode of waste Handling</li> <li>• Expected hours of operation.</li> <li>• Type of Fuel</li> <li>• Type of Burner operation</li> <li>• Expected fuel consumption</li> <li>• Connected Electrical Load</li> <li>• Over all space requirement</li> </ul>	
3-A	Brief description of technology (model number, specification, methodology of loading, process flow, final product etc.?)	<i>Please attach separate sheet if required more space</i>
4.	Water requirement per day	
5.	Electrical consumption (KW)	
6.	Construction period (months)	
7.	Commissioning period (COD)	
8.	Any Environmental Clearance is required for the proposed technology?	
9.	Operation and Maintenance (O&M) cost? Break up cost as: Fixed cost or; Monthly cost or; Per ton of handling cost:	
10.	Current operation in similar project (dead animal disposal)	
11.	Proposed safeguards for environment and social aspects and how?	
12.	Scope for future expansion Details about capacity, time taken and land requirement etc.	
13	Type of final product produced and method of	

	disposal:	
14	Grand/subsidies available for such type of projects	

#### **4. FINANCIAL STRUCTURE OPTIONS:**

##### **Option 1**

If PMIDC invests 80-100% of capital cost of the project (including all civil and machinery work) and Vendor will do all operations and maintenance of the project for the entire agreement period, expected details of cost:

S. No	Cost component	Cost (Company's response)
1.	O&M cost/ processing fee/tipping fee for the long term agreement (30 years)	
2.	Financial structure/ sharing pattern of grant/subsidy available through government sources	
3.	Any other cost/benefit proposed structure by Vendor	

##### **Option 2**

If Vendor invests 80-100% of capital cost of the project (including all civil and machinery work) and Vendor will do all operations and maintenance of the project for the entire agreement period, expected details of cost:

S. No	Cost component	Cost (Company's response)
1.	O&M cost/ processing fee/tipping fee for the long term agreement (30 years)	
2.	Financial structure/ sharing pattern of grant/subsidy available through government sources	
3.	Any other cost/benefit proposed structure	

##### **Option 3**

Any alternative proposal proposed by Vendor shall be considered if it is deemed in the best interests of the PMIDC



S. No	Cost component	Cost (Company's response)
1.	Provide details here:	

**5. DELIVERABLES AND PROCESS:**

- The lifting and transportation of the dead animals are being done by the individual livestock owners or concerned municipality staff.
- PMIDC is willing to provide suitable land area on lease at favorable price for the facility set-up on long-term agreement.
- The vendor shall set-up the facility and operates the facility on long-term agreement (30 years).
- The responsibility for safe disposal, marketing & sale of the value added product rests with the agency.