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STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA]

Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VIII

Bhubaneswar – 751 012, INDIA

No. 7289/1

Date: 29.04.15

INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR E-WASTE INVENTORIZATION IN THE STATE OF ODISHA

- 1- The state Pollution Control Board, Odisha intends to engage agency to carry out the E-Waste Inventory in the state of Odisha. The inventory will be single assignment for a period of one year.
- 2- Reputed organization having experience in this field are requested to submit Expression of Interest (EOI) for carry out the proposed E-Waste inventory.
- 3- Interested organization having the experience on the E-Waste management or similar works may only submit their Expression of Interest (EOI) by providing required information as per the prescribed format, which is downloadable from the website www.ospcboard.org (In advertisement page under Tender & Advertisement tab) of OSPCB.
- 4- The EOI filled in as per the format and supported with relevant documents must reach the office of the Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar- 751 012 on or before **25.05.2015/04.00 PM**. The envelope must be clearly superscripted as "**EXPRESSION OF INTEREST FOR E-WASTE INVENTORY IN THE STATE OF ODISHA**". The EOI can be submitted through **Registered Post / Speed Post**. The authority shall not be held responsible for any postal delay for non-receipt of EOI within scheduled date and time.
- 5- Interested organizations are advised to visit the site before submission of EOI. Once EOI received, it will be presumed that the organization has visited the site and collected relevant information for submission of his EOI.
- 6- The OSPCB reserves the right to reject any or all EOIs without assigning any reasons thereof.


Member Secretary

Memo 7290 /Dt. 29.04.15

Copy forwarded to the Administrative Officer, SPC Board, and Bhubaneswar for information. He is also requested to publish the EOI in one National English Daily and one no. of Regional language daily of Odisha with immediate effect.


Member Secretary

EXPRESSION OF INTEREST (EOI) DOCUMENT

FOR

E-WASTE INVENTORIZATION IN THE

STATE OF ODISHA



STATE POLLUTION CONTROL BOARD, ODISHA

Paribesh Bhawan,

**A/118, Nilakantha Nagar, Unit – VIII,
Bhubaneswar 751012, INDIA**

Terms of Reference For E-Waste Inventorization in the State of Odisha

1. Introduction

E-Waste is recognized as a major challenge in the waste management policies of the Government of India. Considering the need for a specific e-waste regulation, the Government of India, Ministry of Environment and Forests notified the E-Waste (Management and Handling) Rules, 2011 in May 2011. The E-Waste (M&H) rules, which have already come into force since May 2012, assign responsibilities for safe management and handling of E-Waste by various stakeholders at different levels.

E-Waste has been a critical waste issue for last decade, because of the huge volumes as well as toxic content. Yet there is lack of reliable data on E-Waste generation in the Odisha. Lack of data could be a big challenge for decision maker to assess and design E-Waste management strategies and it may also be key reason for lack of recycling facility in the State.

The State of Odisha has seen a major growth in per capita income in recent times. The IT and consumers good penetration has lead to high consumption and even higher obsolescence resulting in growing E-Waste in the State. There are no registered E-Waste recyclers in the state. Till now there has been no study to ascertain the intensity of the problems of E-Waste in the State of Odisha and hence there is a need to prepare an inventory of e waste.

2. Description of the Study

Odisha State will be the study area limits for this WEEE assessment. However, the products and components and their quantum moving in and out of Odisha State limits will also be identified & noted. The assessment would cover all the products mentioned under the E-Waste (Management & Handling) Rules, 2012 in Schedule 1 in the two broad categories of

1. Information Technology and Telecommunication Equipment
2. Consumer Electricals and Electronics

The study will trace these products / components from its origin to its final end of life. For example from the sources where the components are unloaded, traded, transported, dismantled, recycled, reused, repaired, processed and disposed.

3. Objectives

The main objectives of this study are as follows:

- Develop a sound methodology to generate the quantitative estimate of e waste including a prioritization of products with regards to their waste generation potential.
- To project the growth of the quantity of E-Waste to be generated over the next ten years.
- To understand the disposal behaviour of users (households and businesses) of electronic equipment.
- To study the pattern of E-Waste obsolescence rate in different categories namely business & offices and households.
- To identify and quantity of the hazardous and valuable components in each of the waste categories.
- To identify various stakeholders in the E-Waste value-chain.
- To study the present disposal practices of the hazardous components in each of the waste categories and identify any existing E-Waste recycling facilities (formal & informal) with their present status;
- To suggest eco-friendly recycling/disposal options for E-Waste.
- Assess the material flow of E-Waste in & out of the Odisha State.
- Assess the need for new services or facilities for treating such waste streams.
- To analyse the environmental and social sustainability of present system.
- Methodology to be adopted for the implementation of Extended Producer Responsibility (EPR) study.
- To estimate the rate of generation of E-Waste in next 10 year (% wise) in the state & infrastructure required.
- To estimate facilities like collection centre/recyclers/dismantlers required to be set up in the state (region wise) vis-à-vis E-Waste generated at present & also in future.
- Calculation of total quantity of E-Waste generated and processed recycled in the entire state, district wise.

4. Scope of Work

The scope of the study is on follows:-

- Identification and survey of sources of electrical and electronic waste.
- Quantification of E-Waste generation from various sources.

- Study the pattern of E-Waste obsolescence rate in different categories.
- Identify various stake holders in the E-Waste value chain, operating in Odisha.
- Assess the existing management of E-Waste in the State.
- Planning for setting up of clean collection channel.
- Suggestion on eco-friendly recycling/disposal options for the state.

5. Outputs / Deliverables

The assignment shall be for a period of 12 months and the delivery schedule shall be as follows.

- Preliminary study report with list of units identified for field-within 2 months from the date of commencement.
- Report on manufacturers/producers, sale, purchase and processing of electrical and electronics equipment within five months from the date of work order.
- Report on consumers/Bulk consumers of E-Waste within 7 months from the date of work order.
- Report on collection centre, dismantler of E-Waste inventory within 9th month from the date of commencement.
- Draft report within 10th months from the date of commencement.
- Workshop on E-Waste inventorization, methodologies followed and outcome of the study in 11th months.
- Final report after incorporating changes, suggested by the State Pollution Control Board within 12th months from the date of commencement.

Duration of the Project

The duration of the project shall be 12 months.

Payment:

- 50% after acceptance of work order.
- 25% after submission of draft report.
- 25% after submission of final report (10 copies hard & soft).

**FORMAT FOR SUBMISSION OF EXPRESSION OF INTEREST (EOI) FOR INVENTORY
OF E-WASTE IN THE STATE OF ODISHA.**

Name of the Organization			
Date of Registration / Incorporation / Establishment of organization / Institution			
Address of communication			
Phone Number	FAX No.	E-mail	Website
Project executed by the organization on e-waste inventory/management or similar works/seminars (During last five years) please enclose separate sheets if space provided is inadequate.			
Name of the Project	Description of the project	Name of the client	Date of completion / or on going
The Bio-data of the experts to be involved in the above project and their experience			
Details of facility available to conduct such type of inventory (Please present brief description of Office, Laboratory etc.)			
I hereby declare that that above information is true to the best of my knowledge and I am authorized by my firm to fill up and submit on its behalf.			
Authorized Signatory			

To

The Member Secretary,
State Pollution Control Board, Odisha,
A/118 ,Nilakantha Nagar,
Unit-VIII, Nayapalli,
Bhubaneswar.

Sub: Submitted Expression of Interest (EOI) for engagement in the inventory E-waste in Odisha.

Sir,

I/We do submit herewith our EOI in prescribed format in sealed cover as per requirement for the above inventory.

Yours Faithfully

Signature: _____

Name: _____

Designation: _____

Organization Name, Seal & address:
