

CENTRAL POLLUTION CONTROL BOARD

DELHI

EXPRESSION OF INTEREST

CPCB invites Expression of Interest (EOI) from reputed institutions/ Organization for “Preparation of Comprehensive Industrial Document on Pesticide Industry (Review of Effluent Standards and Identification of Additional Emission Parameters)”. For details please visit <http://www.cpcb.nic.in/tenders.php>. Last date for receipt of EOI is 12th March, 2012 by 5.00 PM.

(J. S. Kamyotra)
Member Secretary

CENTRAL POLLUTION CONTROL BOARD DELHI

Notice inviting Expression of Interest (EOI) for “Preparation of Comprehensive Industrial Document on Pesticide Industry (Review of Effluent Standards and Identification of Additional Emission Parameters)”.

1. Background:

The Central Pollution Control Board has prepared Comprehensive Industrial Document (COINDS) for Pesticide Industry in 1985-86 and revised during 1988-89. Further, status of pesticide Industry was prepared in the year 1993-94. In these documents aspects of air pollution and solid waste were not covered. Later, source emission standards for inorganic parameters like HCl, Cl₂, H₂S, P₂O₅, NH₃, HBr & PM and CH₃Cl (organic) were notified during year 2006 and also incinerator emission standards were notified in 2008 for pesticide industry. Since then the sector has undergone changes in terms of raw material consumption, technological up-gradation, demand growth potential, and diverse product range. Also there is a need to re-look into the additional pollutants generated from pesticide industries other than the notified pollutants.

The revision of COINDS is required to cover the status of pesticide industries with production details of different types of technical pesticides, number of units and their locations, type of pesticides and process adopted, raw materials used and effluent generation from different streams, segregation & its treatment presently adopted by industrial units, mode of disposal of wastewater, reduction & recycling of effluent, best treatment technologies available, by-product recovery / utilization, solvent recovery, identification of additional emission parameters from process other than notified parameters.

In view of the above the Central Pollution Control Board (CPCB) intends to take up a project on “Preparation of Comprehensive Industrial Document on Pesticide Industry (Review of Effluent Standards and Identification of Additional Emission Parameters)” by engaging Expert agencies/ Organizations have similar experience. The interested Organizations are requested to submit Expression of interest (EOIs). The objective & scope of work is as follows:

2. Objectives:

- To review the effluent standards w.r.t change in raw material and review the treatment technologies w.r.t internationally adopted technologies.
- Identification of additional emission parameters w.r.t change in raw material.
- Preparation of Comprehensive Industrial Document (COINDS) on Pesticide Industry.

3. Scope of Work:

- Identification of pesticides with respect to volume of production and number of manufacturing industries and to prepare status of pesticide industry through questionnaire survey.
- To prepare material balance, water balance, solvent consumption & its recovery methods and identification of best solvent recovery methods by comparing with International practices.
- To review the existing effluent standards and add new parameters w.r.t change in raw material and review the treatment technologies w.r.t internationally adopted technologies.
- Identification of pollutants emanating through process vent / stack to be taken up for future study in addition to already notified standards.

Preliminary field visits would be made to 14 industries covering all technical grade pesticides (organochlorine - 5 units, organophosphate - 4 units, Carbamates - 3 units, pyrethroids- 2 units). If single unit is manufacturing combination of pesticide w.r.t above group, it would be considered as single visit. Based on the preliminary visit in-depth / detailed study would be carried out at 7 units.

4. Eligibility Criteria:

The Expert agencies including Academic Institutions, Autonomous Bodies and other reputed organizations should fulfil the following criteria:

- (a) Adequate knowledge, experience of work in a similar field in India or abroad.

- (b) Adequate manpower in the field of Environmental Science and Engineering, Environmental Management and related field.
- (c) Average annual earnings, in terms of net consultancy fees, during the last 3 financial years of not less than Rs 20 lakhs.

5. Submission of EOI:

Interested agencies including Academic Institutions, Autonomous Bodies and other reputed organizations may submit EOI in a sealed envelope by speed post clearly super-scribed Expression of Interest (EOI) for appraisal of Comprehensive Industrial Document (COINDS) for Pesticide Industry to the Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi- 110032 by 12th March, 2012 in hard copy and a CD containing the following information:

- (a) Type of organization and date of establishment with photocopies of supporting documents.
- (b) Areas of strength/specialization relevant to the scope of work and objective pertaining to COINDS.
- (c) Copies of attested statement of income earned from similar consultancy services for the last financial years.
- (d) Previous relevant experience.
- (e) Details of key staff to be entrusted for the assignment, together with their curriculum vitae.
- (f) Undertaking of the scope of work, objective, short approach and comments.

6. Late submissions or submissions that do not conform to the above requirements will not be considered.

7. Based on the response received, suitable consultants will be short-listed and the TOR document will be sent for submission of Technical and Financial Proposal.
