

REPORTING BY REGIONAL CENTRES

Reporting requirements and the performance evaluation

1. Paragraph 24 of *the terms of reference for regional and subregional centres for capacity- building and transfer of technology under the Stockholm Convention* adopted as annex I to the decision SC-2/9 by COP 2 requires each centre to provide reports to ordinary meetings of the COP on the activities which it has undertaken to assist developing country Parties and Parties with economies in transition in the implementation of their obligations under the Convention.
2. Paragraph 7 of decision SC-3/12: TOR for the selection of regional and subregional centres for capacity-building and the transfer of environmentally sound technologies under the Stockholm Convention, requests the secretariat to prepare a report on the activities of the nominated Stockholm Convention centres to the COP for consideration at its next meeting.
3. Further, paragraph 8 of the same decision underlines the performance of regional and subregional centres to be evaluated by the COP according to the criteria set out in annex II of SC-2/9.
4. According to the criteria for evaluating the performance of regional or subregional centres as set out in the annex II of the decision SC-2/9, a successful centre in assisting Parties in implementing the Convention:
 - a. Demonstrates the capacity to identify, document and implement the actions and practices
 - b. Achieves concrete and measurable results – capacity building in technical assistance and technology transfer
 - c. Identifies, undertakes and serves to advance cooperation, collaboration and synergies
 - d. Identifies additional financial resources and other donors for funding
 - e. Manages and conducts all activities,
 - i. efficiently,
 - ii. effectively
 - iii. transparently
 - f. demonstrates the capacity to meet the various language requirements of the region and subregion and conduct business in English as required

The Secretariat has developed the attached template to facilitate the preparation of the activity reports by the centres

PART 1: THE ACTIVITY/PROJECT REPORTS

Name of Regional centre submitting the report: CSIR-NEERI, Nagpur, India

Name of the coordinator: Dr. S. R. Wate

Name of the person submitting the report: Dr. Asha A. Juwarkar

Date: 28/12/2012

Reporting period From: January 2011 to December 2012

WORK PLAN AND THE ACTIVITY REPORTS

Overall Goal of workplan: To provide technical assistance in relation to monitoring and assessment of POPs in the environment, raise awareness and promote identification and environmentally sound management of POPs and POPs contaminated sites in the region. Assist the parties in fulfilling the Stockholm Convention obligations. Also, ecotoxicological studies, human risk assessment, environmental risk assessment are other major concerns in this regards.

Objective 1: Capacity building in the region for monitoring and assessment of POPs in various environmental matrices, including human health

Activities contributing to objective 1

1. A Training Programme on “*Capacity Building on Environmentally Sound Management (ESM) of PCB oil and PCBs Containing Equipments at Ship Breaking Yard, Alang, Gujarat, India*” was organized during November 21-29, 2011 for the selected parties in the region.
2. A workshop on “*Guidelines for updating National Implementation Plans to address the newly listed persistent organic pollutants*” was conducted during June 18-21, 2012 which was attended by national and regional participants.

Objective 1 fulfilment status: Completed with respect to PCBs and new POPs viz. PBDEs and PFOs

Objective 2: To promote environmentally sound management of sites contaminated with POPs.

Activities contributing to objective 2:

1. Various awareness raising programme were conducted in different states of India.

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2. The training programme on ESM of PCBs and workshop on NIP updating covered various aspects of Environmental Sound Management of Contaminated sites.

Objective 2 fulfilment status: Ongoing

Objective 3: To raise the awareness on hazardous impacts of POPs in the environment.

Activities contributing to objective 3:

1. **Awareness raising brochures on POPs were prepared in five different regional languages (viz: English, Hindi, Marathi, Bengali and Tamil)** and distributed to national and regional stakeholders and common public.
2. Various awareness raising programme were conducted in different region of India for local public as well as the concerned officials.
3. Awareness raising brochures on **Open Burning and its impacts** were also prepared and distributed at various occasions.
4. Awareness raising workshop on **dioxins and furans** was conducted in collaboration with an active NGO working for environmental related issues in North East region of India

Objective 3 fulfilment status: It's an ongoing process and shall be continued in future regularly.

Objective 4: To train the parties for the environmental monitoring and analysis of POPs at the Stockholm Convention Centre.

Activities contributing to objective 4:

1. A Training Programme on *“Capacity Building on Environmentally Sound Management (ESM) of PCB oil and PCBs Containing Equipments at Ship Breaking Yard, Alang, Gujarat, India”* was organized during November 21-29, 2011 for the selected parties in the region.
2. A workshop on *“Guidelines for updating National Implementation Plans to address the newly listed persistent organic pollutants”* was conducted during June 18-21, 2012 which was attended by national and regional participants.

Objective 4 fulfilment status: Completed with respect to PCBs and new POPs viz. PBDEs and PFOs

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Objective 5: To provide technical assistance to the parties

Activities contributing to objective 5:

1. Contacted National Focal Point of each party in the region to know their needs and priorities to be the incorporated in the work plans of the centre.
2. Draft work plan for 2012-13 was forwarded to each selected party in the region for their comments and suggestions.
3. Work plan for 2012-13 incorporated with the suggested needs from the selected party in the region submitted to the secretariat of Stockholm convention.
4. A Training Programme on “Capacity Building on Environmentally Sound Management (ESM) of PCB oil and PCBs Containing Equipments at Ship Breaking Yard, Alang, Gujarat, India” was organized during November 21-29, 2011 for the selected parties in the region.
5. A workshop on “Guidelines for updating National Implementation Plans to address the newly listed persistent organic pollutants” was conducted during June 18-21, 2012 which was attended by national and regional participants.
6. Received few proposals to work in collaboration with few parties and the centre is continuously communicating with those parties for finalizing those proposals.

Objective 5 fulfilment status: Completed with respect to PCBs and new POPs viz. PBDEs and PFOs

(Add more rows if you have more objectives and the contributing activities)

List of the projects/activities undertaken during the reporting period

Project No.	Name of the projects/activities undertaken during the reported period	Status (check the relevant cell)			
		completed	ongoing	delayed	cancelled
G-5/1843	Capacity Building on Environmentally Sound Management (ESM) of PCB oil and PCBs Containing Equipments at Ship Breaking Yard, Alang, Gujarat, India	√			
G-5/1898	Pilot testing of guidance for the review and updating of National Implementation Plan in India	√			

PART 2

A: ACTIVITIES (PROJECTS) REPORTS SUMMARY

(Please provide a summary (max. 1 page) for each of the completed projects/activities)

Project no. / Project name: *Capacity Building on Environmentally Sound Management (ESM) of PCB oil and PCBs Containing Equipments at Ship Breaking Yard, Alang, Gujarat, India*

Project duration (in months): **Nine months** **Start and end dates:** 01/05/2011 to
31/01/2012

Beneficiary Parties: *India, Nepal, Philippines and Sri Lanka*

Areas of technical assistance (refer to the guidance on technical assistance):

- Review of available infrastructure, capacity and institutions at the national and local levels and the potential to strengthen them
- Risk assessment and management of PCBs, PCDD/Fs
- Evaluation of social and economic impacts
- Training of technical personnel
- Identification and disposal of persistent organic pollutants, including transfer of environmentally sound technologies for the destruction of such wastes
- Identification and promotion of best available techniques and best environmental practices
- Identification and remediation of sites contaminated with persistent organic pollutants
- Promotion of awareness raising and information dissemination programmes, including awareness-raising among the general public, of issues related to the Convention
- Effectiveness evaluation, including monitoring of levels of persistent organic pollutants

Total project budget (in US\$):

List the funding sources and the corresponding amounts:

- | | |
|------------|-------------------|
| 1. UNEP | US\$... 48,918.00 |
| 2. In kind | US\$... 30,000.00 |

Please provide a brief summary on the project activities and the outcomes (as much as possible in quantifiable terms) in the space given below:

The training programme for environmentally sound management (ESM) of PCBs was organized in a very professional way which benefited all the participants including workers of ship breaking yard, stakeholders from different participating countries and experts in the field of PCBs. The training programme covered several lectures from the experts on various aspects related to environmentally sound management of PCBs. *A field visit to Ship Breaking Yard, Alang, Gujarat was also organized for the participants.* During the field visit, the participants experienced onsite assessment of PCBs handling, storage and disposal techniques which are virtually being followed at Ship Breaking Yard, Alang. Actual site visit enhanced the direct interactions with the people involved in environmentally sound management for PCB disposal. *The project strongly supported the synergy in the implementation of Basal, Rotterdam and Stockholm Conventions.*

Please indicate if there is any possibility to find the detailed information on this project elsewhere e.g., submitted reports/websites, etc

The final report of the project was submitted to the Secretariat of Stockholm Convention. The detailed information of the training programme is available on www.chem.pops.int.

B: SPECIFIC INFORMATION ON EACH OF THE REPORTED PROJECTS

Provide concise answers to all questions below for every completed and reported project.

1. Identification, documentation and implementation of actions and practices

- a. How was this project identified?

The project proposal was submitted to the Secretariat of Stockholm Convention under the **Small Grant Programme (SGP)**.

- b. What steps were taken to document it (documenting in the form of project proposal, reports etc)?
1. The problem related to ESM of PCBs was identified during the preparation of National Implementation Plan on POPs for India in which CSIR-NEERI was actively involved and later on the project proposal was submitted to Secretariat of Stockholm Convention.
 2. Justifications requested for some of the points of the proposal was submitted
 3. Various stakeholders directly involved in ESM of PCBs were contacted.
 4. As per the objectives of the proposal four parties were contacted (*Nepal, Sri Lanka, Philippines and Bangladesh*) seeking nominations and suggestions for the training programme

5. Contacted *Gujarat Pollution Control Board and Gujarat Maritime Board* for organizing a field visit to Ship Breaking Yard, Alang, Gujarat
6. Communicated with different experts *viz. Ministry of Environment and Forests, UNIDO, Central Power Research Institute*, etc. to deliver lectures
7. Prepared module for the training programme
8. Prepared proceedings of the training programme
9. At the end of the training programme, all the participants were requested to give their feedback to improve such programmes in future.
10. Prepared final report of the project and submitted to Secretariat of Stockholm Convention in January 2012.

- c. What was the role of the centre in implementing this project?

The training programme on ESM of PCBs described in the proposal was organised by CSIR-NEERI, under the banner of Stockholm Convention Regional Centre. All the activities of the projects were conducted under the banner of the centre. The lectures were delivered by the experts of CSIR-NEERI on various aspects related to ESM of PCBs *viz. PCB contaminated site characterization and identification for decontamination; analytical techniques/tools for identification of PCBs in different matrices for identification of contaminated sites; guidance for environmentally sound management techniques/technologies for PCBs and PCBs containing equipments* etc. Besides the experts of CSIR-NEERI, other experts from different organizations also delivered their valuable lectures during the training programme. *A very useful field visit was also organized for all the participants at Ship Breaking Yard, Alang, Gujrat to have some practical experience of the problems related to PCBs management which was appreciated by all the participants.*

2. Concrete and measurable result in terms of capacity building in technical assistance and technology transfer

- a. What capacity building activities were carried out?
- Knowledge enrichment with respect to the different technologies for destruction/disposal of PCBS (*viz. Gas Phase Chemical Reduction, Base Catalyzed Dechlorination, Sodium Reduction Process* etc.)
 - Increased awareness among the officials and workers with respect to ESM of PCBs with respect to identification of contaminated sites, handling and storage of PCBs, etc.

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- b. Please quantify the results e.g., in terms of no. participants, no. of beneficiary Parties, no. of training programmes

Number of participants: **13**

Number of beneficiary parties: **4**

Number of training programmes: **1**

3. Identifying, undertaking and advancing cooperation, collaboration and synergies

- a. List the institutional partners, collaborators if any involved in this project?

CSIR-NEERI, Nagpur; Gujarat Pollution Control Board, Gujarat; Gujarat Maritime Board, Gujarat; Central Power Research Institute, Bangalore; Bhartidasan University, Tiruchirapally; Central Pollution Control Board, New Delhi; Bhilai Steel Plant, Bhilai.

- b. Did this collaboration result any synergy (e.g., time/resource saved and or effectiveness enhanced)?

Yes

4. Identification of additional financial resources and other donors to fund projects

- a. Provide a list of funding sources relating to this project

Nil

- b. How did you manage to get funding to this project?

Nil

5. Managing and conducting activities efficiently, effectively and transparently

- a. What makes this project efficiently conducted?

The objectives and activities of the project were clearly defined and pre planning of the activities led to efficient execution of the project.

- b. What makes the project effective?

Clearly defined objectives and the expertise to carry out the work and successful execution of the whole program in a very professional way.

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- c. What measures were taken to ensure the transparency in implementing the project?

Bimonthly review meeting was conducted with Director of the Centre to assess the progress of the work. At regular time interval, the progress of the project work and work plans were communicated with different parties of the region. The programme copy of the training programme and the leaflet was shared with the Secretariat of Stockholm Convention.

6. Capacity to meet various language requirement of the region/subregion

- a. Was there any need felt by the participants/service recipient to conduct the activity in any other languages?

No

- b. If yes, how was it addressed?

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A: ACTIVITIES (PROJECTS) REPORTS SUMMARY

(Please provide a summary (max. 1 page) for each of the completed projects/activities)

Project no. / Project name: *Pilot testing of guidance for the review and updating of National Implementation Plan in India*

Project duration (in months): **Nine months** **Start and end dates:** 01/04/2012 to
31/12/2012

Beneficiary Parties: *India, Sri Lanka, Indonesia, Thailand*

Areas of technical assistance (refer to the guidance on technical assistance):

- Development, updating and implementation of National Implementation Plans
- Review of available infrastructure, capacity and institutions at the national and local levels and the potential to strengthen them
- Persistent organic pollutants identification
- Development of an inventory of persistent organic pollutants
- Development and introduction of alternatives to persistent organic pollutants, with special emphasis on reducing the need for specific exemptions
- Training of technical personnel
- Development and establishment of laboratory capacity, including the promotion of standard sampling and analysis procedures for validation of inventories
- Identification and promotion of best available techniques and best environmental practices
- Promotion of awareness raising and information dissemination programmes, including awareness-raising among the general public, of issues related to the Convention
- Effectiveness evaluation, including monitoring of levels of persistent organic pollutants

Total project budget (in US\$):

List the funding sources and the corresponding amounts:

UNEP	US\$... 75,000.00
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Please provide a brief summary on the project activities and the outcomes (as much as possible in quantifiable terms) in the space given below:

This project served as a platform to gather and share the information with respect to industrial POPs, their status in India, management strategy followed in India and abroad. Under the

project activities, a workshop on guidelines for updating National Implementation Plans to address the newly listed persistent organic pollutants was organized at CSIR-NEERI, SCRC, Nagpur during June 18-21, 2012. *National participants from various agencies and International participants from identified parties of the region (Indonesia, Sri Lanka and Thailand) attended the workshop.* The workshop covered various lectures by experts followed by group exercises by participants to share their views and knowledge gained by them on various aspects of New POPs during the workshop. The lab visits were also organized to demonstrate various facilities available at CSIR-NEERI for analysis of PBDEs and other POPs and the steps followed by CSIR-NEERI team to analyse samples suspected of containing PBDEs.

Please indicate if there is any possibility to find the detailed information on this project elsewhere e.g., submitted reports/websites, etc

The final report of the project was submitted to the Secretariat of Stockholm Convention (www.chem.pops.int).

B: SPECIFIC INFORMATION ON EACH OF THE REPORTED PROJECTS

Provide concise answers to all questions below for every completed and reported project.

1. Identification, documentation and implementation of actions and practices

a. How was this project identified?

The project was awarded to CSIR-NEERI by Secretariat of Stockholm Convention through Ministry of Environment and Forests, New Delhi.

b. What steps were taken to document it (documenting in the form of project proposal, reports etc)?

- 1 Project proposal was studied thoroughly
- 2 Signed MOU with Secretariat of Stockholm Convention
- 3 Communicated with various stakeholders to seek information on production, use and stockpiles of PBDEs and PFOs.
- 4 Draft roadmap was received from RECETOX to carry out various activities of the project.
- 5 Prepared a report on desk studies on inventory of PBDEs, PFOs and its salts in India.
- 6 Studied various methods for analysis of PBDE and PFOs in different matrices besides those provided by RECETOX

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- 7 Prepared agenda for the workshop
- 8 Project documents were prepared (presentations, working group exercise etc.) and provided to all the participants and the experts in CDs
- 9 Feedback form was filled by the participants and their views and suggestions were incorporated in the final report of the project
- 10 Prepared the final report of the project and submitted to the Secretariat of Stockholm Convention in July 2012.

c. What was the role of the centre in implementing this project?

The workshop on “Guidelines for updating National Implementation Plans to address the newly listed persistent organic pollutants” described in the proposal was organised by CSIR-NEERI, under the banner of Stockholm Convention Regional Centre. All the activities of the projects were conducted by the CSIR-NEERI, SCRC. In this project, RECETOX, Czech Republic, a Stockholm Convention Regional Centre also helped in several ways *viz.* provided standards and protocols for analysis and helped in preparation of agenda of the workshop.

2. Concrete and measurable result in terms of capacity building in technical assistance and technology transfer

a. What capacity building activities were carried out?

- Increased knowledge about the POPs listed in 2009 and 2011 and options for their management;
- Understanding about the package of guidelines for NIP updating and how it can be deployed and applied for addressing obligations of the Convention with respect to POPs listed in 2009 and 2011
- Enhanced capacity of the Stockholm Regional Centre in India to provide guidance and technical advice on the POPs listed in 2009 and 2011
- Knowledge and experience sharing among Stockholm Regional Centres about capacity building for the management of POPs listed in 2009 and 2011
- Increased knowledge and technical skills with respect to the monitoring and analysis of new POPs in various articles.

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- b. Please quantify the results e.g., in terms of no. participants, no. of beneficiary Parties, no. of training programmes

Number of participants: **25**

Number of beneficiary parties: **4**

Number of training programmes: **1 (workshop)**

3. Identifying, undertaking and advancing cooperation, collaboration and synergies

- a. List the institutional partners, collaborators if any involved in this project?

CSIR-NEERI, Nagpur and RECETOX, Czech Republic

- b. Did this collaboration result any synergy (e.g., time/resource saved and or effectiveness enhanced)?

Yes

4. Identification of additional financial resources and other donors to fund projects

- a. Provide a list of funding sources relating to this project

Nil

- b. How did you manage to get funding to this project?

Nil

5. Managing and conducting activities efficiently, effectively and transparently

- a. What makes this project efficiently conducted?

The objectives and activities of the project was clearly defined and pre planning of the activities led to efficient execution of the project

- b. What makes the project effective?

Clearly defined objectives and the expertise to carry out the work and successful execution of the whole program in a very professional way.

- c. What measures were taken to ensure the transparency in implementing the project?

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All the activities of the projects were carried out in close collaboration with Secretariat of Stockholm Convention, RECETOX and the international expert involved in this project i.e. Dr. Roland Weber. Monthly review meeting was conducted with Director of the Centre to assess the progress of the work. At regular time interval, the progress of the project work and work plans were communicated with different parties of the region. Draft roadmap provided by RECETOX to implement the objectives of the project was shared with Secretariat of Stockholm Convention along with the progress and difficulties faced during the project work. *Analysis of PBDEs in various articles was done in close association with RECETOX. The results of the analysis were presented during the workshop and appreciated by the experts as well as participants.* A report on desk studies on inventory of PBDEs, PFOs and its salts in India was submitted to Secretariat of Stockholm Convention in May 2012.

6. Capacity to meet various language requirement of the region/subregion

- a. Was there any need felt by the participants/service recipient to conduct the activity in any other languages?

No

- b. If yes, how was it addressed?

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