



Project Implementation Report

(1 July 2022 – 30 June 2023)

Project Title:	Environmentally Sound Management and Final Disposal of PCBs in India
GEF ID:	3775
UNIDO ID:	104044
GEF Replenishment Cycle:	GEF-4
Country(ies):	India.
Region:	SA - Southeast Asia
GEF Focal Area:	Chemicals and Waste (CW)
Integrated Approach Pilot (IAP) Programs¹:	NA
Stand-alone / Child Project:	NA
Implementing Department/Division:	ENV / IPM
Co-Implementing Agency:	
Executing Agency(ies):	Ministry of Environment, Forest and Climate Change (MOEFCC), GOI
Project Type:	Full-Sized Project (FSP)
Project Duration:	60
Extension(s):	6
GEF Project Financing:	USD 14,450,000 incl. PPG
Agency Fee:	USD 1,445,000
Co-financing Amount:	USD 29,000,000
Date of CEO Endorsement/Approval:	12/30/2009
UNIDO Approval Date:	2/4/2010
Actual Implementation Start:	1/18/2010
Cumulative disbursement as of 30 June 2023:	USD 13,379,220.32
Mid-term Review (MTR) Date:	11/30/2014
Original Project Completion Date:	1/1/2015
Project Completion Date as reported in FY22:	12/31/2022
Current SAP Completion Date:	12/31/2023

¹ Only for GEF-6 projects, if applicable

	<i>Insert the project completion date as currently seen in the system</i>
Expected Project Completion Date:	12/31/2023
Expected Terminal Evaluation (TE) Date:	11/30/2023
Expected Financial Closure Date:	12/31/2024
UNIDO Project Manager²:	C. Centeno

I. Brief description of project and status overview

Project Objective
The overall objective of the project is to reduce and eliminate the use and releases of PCBs to the environment through promotion of measures to minimize exposures and risks by introducing environmentally sound management and disposal of PCBs, PCB-containing equipment and PCB-containing mineral oils and wastes aiming at the final and virtual disposal of all PCBs inventory in India by 2025 and 2028, respectively. The project is aimed to i. Strengthen the legal and regulatory framework for environmentally sound management (ESM) and disposal of PCBs, PCB-containing equipment and PCB-containing mineral oils and wastes; ii. Improve institutional capacity at all levels of PCBs disposal management; iii. Removal of 7,700 tonnes of PCBs, PCB-containing equipment and PCB-containing mineral oils and wastes from targeted sites and transport them to disposal unit; and iv. Disposal of 7,700 tones PCBs, PCB-containing equipment and PCB-containing mineral oils and wastes in an environmentally sound manner. The objectives are being achieved through a combination of strategies, including legislative and regulatory assessment, capacity building, public education, technology transfer, technology dissemination, technical training and technical support.

Baseline
The major users of PCBs in the country are power generation units and state electricity boards. Currently there are no standard and established disposal practices for the out-of-operation PCB-containing equipment and wastes. There has been lack of understanding of specific legal and regulatory requirements to implement Stockholm Convention. No institutional capacity exists for ESM of PCB-containing equipment and wastes. There is lack of awareness of PCB risks, lack of dedicated environmentally sound maintenance capacity for PCB-containing equipment. GEF intervention would bring in the changes with regard to adoption/application of ESM and BAT/BEP in management and disposal of PCBs, PCB-containing equipment and wastes that poses a major public health and environmental threat; and will ensure the sustainability and replicability of its outputs, significantly increasing global benefits.

Overall Ratings³	FY23	FY22
Global Environmental Objectives (GEOs) / Development Objectives (DOs) Rating	Moderately Satisfactory (MS)	Moderately Satisfactory (MS)
PCB disposal activities with the mobile facility has been undertaken. During the reporting period 214 KL of low level PCB contaminated oil had been treated and dechlorinated successfully. Installation and commissioning of the static facilities (Plasma and Non combustion facilities) have progressed. Statutory licenses obtained for waste handling and storage& handling of diesel obtained. Testing of all equipment and commissioning of MEE completed. Final commissioning of Plasma system by vendor through a technical expert from Australia with a feed rate of 30 kg/hr initially which was subsequently stabilised at 45 kg/hr. Performance guarantee test for dechlorination system initiated and is expected to be completed by mid-July 2023. Complete handover is expected in August 2023. The project has currently disposed of around 600 MT of PCB wastes.		
Implementation Progress (IP) Rating	Moderately Satisfactory (MS)	Moderately Satisfactory (MS)
As the main remaining activity is PCB disposal and is occurring at relatively slow pace, implementation rating for both FY 22 and FY 23 is rated as MS.		

² Person responsible for report content

³ Please refer to the explanatory note at the end of the document and assure that the indicated ratings correspond to the narrative of the report

Overall Risk Rating	Moderate Risk (M)	Moderate Risk (M)
For this reporting period, the risk rating is still assessed as M as the turnover of the static facility to the operating entity has yet to be done. The sustainability of the operation after the project is still being discussed.		

II. Targeted results and progress to-date

Please describe the progress made in achieving the outputs against key performance indicator's targets in the project's **M&E Plan/Log-Frame at the time of CEO Endorsement/Approval**. Please expand the table as needed.

Please fill in the below table or make a reference to any supporting documents that may be submitted as annexes to this report.

Project Strategy	KPIs/Indicators	Baseline	Target level	Progress in FY23
Component 1 –				
Outcome 1: Strengthened policy and regulatory framework to comply with the obligations under the Stockholm Convention				
Output Strengthened policy and regulatory framework to comply with the obligations under the SC 1.1:	Existing national legal and regulatory framework evaluated. - Gaps between Stockholm Convention requirements and existing legal/regulatory framework - Legislative bodies presented with recommendations for new and/or revised laws to implement Stockholm Convention requirements; number of proposed new/revised laws. - Regulatory bodies presented with recommendations for new and/or revised regulations to implement Stockholm Convention requirements; number of proposed new/revised regulations. - Number of new/revised laws adopted relative to recommendations - State enforcement of PCB management related laws and regulations evaluated; number of states reviewed.	Existing national legal and regulatory framework.	Existing National legal and regulatory framework assessed and reviewed	Stakeholders and owners of largest stocks of PCBs contaminated oil and equipment have been trained.

	<ul style="list-style-type: none"> - Number of states analysed, number of gaps identified. - Number of states assisted, person-weeks support provided, number of new measures adopted, amount of PCBs managed and disposed of in environmentally safe manner - Current PCB management practices evaluated - PCB management guidelines developed - Number of stakeholders and individuals trained 			
Output 1.2: Legal and regulatory framework at the national level established or updated	<ul style="list-style-type: none"> -Number of new/revised laws adopted relative to recommendations - Number of new/ revised regulations adopted relative to recommendations 	Existing hazardous waste management rule	New regulation recommended and adopted	Gazette Notification on PCB of the Government of India published and notified to all concerned /stakeholder's/PCBs owners in the country during the awareness raising programmes
Output 1.3: National legal and regulatory framework implemented in targeted states	<ul style="list-style-type: none"> - State enforcement of PCB management related laws and regulations evaluated; number of states and union territories reviewed. - Number of states and union territories analysed, number of gaps identified. - Number of states assisted, person-weeks support provided, number of new measures adopted, amount of PCBs managed and disposed of in environmentally safe manner 	Existing hazardous waste management rule	PCBs owners at State level assisted and support provided.	Guidelines provided and owners provided training on the management of PCBs in ESM
Output 1.4: Pollution prevention and management of PCBs, PCB-containing equipment and waste in consonance with ESM guidelines	<ul style="list-style-type: none"> - Current PCB management practices evaluated - PCB management guidelines developed - Number of stakeholders and individuals trained 	- Existing hazardous waste management rule	<ul style="list-style-type: none"> - Guidelines prepared - Training programmes organized 	Guidelines provided and owners provided training on the management of PCBs in ESM
Component 2 –				
Outcome 2: Relevant institutions in India are enabled to manage PCBs in an environmentally sound manner as well as awareness raising on the adverse effects of PCBs				

<p>Output 2.1: Institutional capacity for ESM of PCBs, PCB-containing equipment and wastes evaluated</p> <p>Output 2.2: Training workshops for key stakeholder undertaken</p> <p>Output 2.3 A national tracking and record keeping system (PCB inventory database) established and maintained countrywide (28 states and 7 union territories)</p> <p>Output 2.4 Sampling, analysis and monitoring capacity evaluated and strengthened in 13 states</p> <p>Output 2.5 Awareness raising carried out</p>	<ul style="list-style-type: none"> - Number of stakeholders identified - Current stakeholder capacity evaluated - Stakeholder capacity building needs identified Workshop held on PCB phase-out and treatment methods; number of workshops and participants. - Number of individual trained - Information materials developed and provided to stakeholders. - Number of stakeholders contacted and provided with information and technical support - Amount of monitoring kits and other monitoring equipment/supplies provided - Completed power sector inventory list, number of items listed - Completed shipbreaking sector inventory list, number of items listed - Completed non-power sector inventory list, number of items listed. - New equipment purchased and installed - Standard methodology adopted - Number of articles published and estimated readership - Number of website hits and registered users - Number of PSAs developed and broadcast, estimated viewership - Number of workshops and workshop participants - Number of communications and consultations with policy makers. 	<p>Inventory of PCBs established during Enabling activity (EA) project</p>	<p>Stakeholders/owners of PCB oil, PCB contaminated oils, wastes and equipment identified and their capacity to handle PCBs in ESM manner evaluated.</p> <ul style="list-style-type: none"> - Capacity building needs for treatment of pure PCBs and of PCB oil, PCB contaminated oil, wastes and equipment identified - Reporting material requirement provided to stakeholders - Inventory revalidated. <p>Details of the items</p>	<ul style="list-style-type: none"> - Owners of the largest holder of pure PCB identified viz. Steel Authority of India Limited/ Bhilai Steel Plant, power utilities, etc. - Roadmap for treatment of low concentration PCBs using mobile facility finalised. - So far 600 MT of PCBs contaminated oil have been decontaminated successfully using the mobile de-chlorination unit.

Component 3 –				
Outcome 3: Targeted regional implementation for ESM of PCBs, PCB-containing equipment and waste				
Output 3.1: Dedicated environmentally sound maintenance capacity for PCBs, PCB-containing equipment and wastes established	Identification of technical and technological need to implement ESM for PCB containing equipment - Number of PCB Management facilities certified - Facility supplied with necessary equipment		- Technical and technological requirement assessed and identified. - Necessary equipment identified, assessed and contract issued	--- --- - t Following progress made during the reporting period of 2022-23: - As on June 30, 2023, 600 MT of PCB contaminated oil has been dechlorinated successfully using mobile dechlorination system by CPRI,. During the reporting period 214 MT of contaminated oil has been treated successfully. It is expected to complete the task of treating 750 MT by December 2023. - CPRI also conducted 5 awareness raising programmes for various PCBs owners during the reported period.
Component 4 :				
Outcome 4 : Outcome 4: Regional capability for final treatment and disposal of PCBs, PCB-containing equipment and wastes				
Outcome 4.1 Management system for identification, tracking, collection, packaging, transport, interim storage, record keeping, and disposal of PCBs, PCB-containing equipment and waste developed and operational in 13 states Output 4.2: ESM and transport to interim storage sites of PCB-containing materials carried out including specialized transport vehicles for highly concentrated PCBs with GPS and adequate preparedness measures in case of emergency on transport routes to the stationary disposal unit Output 4.3: Final ESM treatment of at least 7,700 tons of PCBs, PCB-containing equipment and PCB-contaminated oil and wastes undertaken	- Guidelines developed for PCB waste identification, tracking and record keeping - Guidelines developed for PCB waste collection, packaging and transportation - Guidelines developed for PCB waste interim storage - Guidelines developed for PCB waste disposal information management software developed for PCB management system - Number of stakeholders and individuals trained in guidelines and management system - Number of ESM storage facilities established - Locations identified for ESM interim storage facilities - Number of ESM interim storage facilities established - Number of staff hired and trained - Number of treatment facilities established - Technology selected and equipment procured - Number of treatment facility locations identified	Data on PCBs storage sites, owners details available in identified states	- Guidelines drafted and developed for PCBs, PCB-containing equipment and waste identification, tracking and record keeping - Guidelines drafted and developed for PCBs, PCB-containing equipment and waste collection, packaging and transportation - Guidelines drafted and developed for PCBs, PCB-containing equipment and waste interim storage - Guidelines drafted and developed for PCBs, PCB-containing equipment and waste disposal - Treatment facility is being established - One (1) stationary technology identified and selected, equipment procured - Location of the stationary treatment facility identified treatment facility designed	<u>Static plant at BSP</u> Statutory Compliances: - Consent to Operate (CTO) for both Part A & Part B of project obtained from Chhattisgarh Environment Conservation Board (CECB) on 19 th January, 2022. - License for storage & handling of Oxygen, Argon granted by Petroleum and Explosive Safety Organization (PESO) on 07 June 2022 - Authorization for Hazardous Waste handling granted by Chhattisgarh Environment Conservation Board (CECB) on 05 th July, 2022. - License for storage & handling of diesel by Petroleum and Explosive Safety Organization (PESO) issued on 25 July 2022 and subsequently renewed up to 31 December 23. Destruction of Pure PCBs and Decontamination of Porous material (Part A) Project: - Indirect Thermal Desorption (ITD) System - All the equipment installed, leakage testing of tanks, fabricated pipe lines completed. Pre-commissioning of ITD system completed on 31 st March 2022. - Final commissioning and PG test completed.

	<ul style="list-style-type: none"> - Number of treatment facility designed, technologies identified and selected - Number of treatment facilities commissioned - Number of staff trained - Number and amount of PCB contaminated material treated or disposed of - 7,700 tonnes for PCBs, PCB-containing equipment and waste identification, tracking and record keeping. 			<p>- Multiple Effect Evaporator (MEE) System – Testing of all pumps and rotary equipment completed. Leakage / pressure testing of tanks, surface condensers and other equipment completed. Pre-commissioning of MEE system had been completed on 19th May 2022.</p> <p>- Final commissioning done in November 2022</p> <p>-</p> <p>- Plascon System – System erected on concrete bed. System connected pipe lines for argon oxygen and PCB fabricated and tested.</p> <p>– Final commissioning done in presence of foreign experts from 02 November to 14 November 2022. But only a feed rate of 30 Kg/Hr only could be achieved. As per the Australian expert due to low concentration of PCB rated feed rate of 45 Kg/Hr. is not possible.</p> <p>-System was again started and maximum feed rate of 45 Kg/Hr could be achieved.</p> <p>-Final PG test is being planned.</p> <p>-</p> <p>- Decontamination of High / Low Level PCB oil (Part B) Systems:</p> <p>-- All the raw materials for commissioning received at site.</p> <p>- After final commissioning of the facility Part B, the Performance guarantee tests have been initiated and is expected to be completed by mid-July 2023..</p> <p>214 MT of low level PCB contaminated oil have been treated and dechlorinated using dechlorination system during the reporting period.</p>
Component 5 :				
Outcome 5 : Outcome 5: Project Management and monitoring and evaluation				
Output 5.1 Project management structure established	<ul style="list-style-type: none"> - Establishment of PMU and appointment of Project Leader - Establishment of PSC - Recruitment of project experts/Advisor 		<ul style="list-style-type: none"> - PMU established and Project leader designated - PSC established - Project experts/Advisor appointed 	PMU established at the start of the project. PSC established at the start of the project. Project staff /Advisor appointed and are in position
Output 5.2 An M&E mechanism designed and implemented according to GEF M&E procedures	<ul style="list-style-type: none"> - Organisation of Inception workshop - Preparation of Annual Project Implementation reports Holding Tripartite Review Meetings - Mid-term evaluation of the project 		<ul style="list-style-type: none"> - Inception workshop organised - Annual Project - Implementation reports prepared _ Review meeting organised - Mid-term evaluation undertaken 	Cluster evaluation undertaken

III. Project Risk Management

1. Please indicate the overall project-level risks and the related risk management measures: (i) as identified in the CEO Endorsement document, and (ii) progress to-date. Please expand the table as needed.

Describe in tabular form the risks observed and priority mitigation activities undertaken during the reporting period in line with the project document. Note that risks, risk level and mitigations measures should be consistent with the ones identified in the CEO Endorsement/Approval document. Please also consider the project's ability to adopt the adaptive management approach in remediating any of the risks that had been sub-optimally rated (H, S) in the previous reporting cycle.

	(i) Risks at CEO stage	(i) Risk level FY 22	(i) Risk level FY 23	(i) Mitigation measures	(ii) Progress to-date	New defined risk ⁴
						<input type="checkbox"/>
						<input type="checkbox"/>
1	Potential transformer owners are not containing equipment and wastes forthcoming to identify target transformers and to report PCBs, PCB-	Low Risk (L)	Low Risk (L)	Identification of conflicting stakeholder interests through involvement of stakeholders in the project design process	Through awareness raising programmes and proper follow ups the stakeholders/owners of PCBs are coming forth	<input type="checkbox"/>
						<input type="checkbox"/>
2	Delay in project implementations as well as monitoring and evaluation may cause delays in holding regular project management and M&E meetings and issuing required reports	Low Risk (L)	Low Risk (L)	Proper communication channels are Established	PMU at MOEF&CC have strengthened through dedicated manpower.	<input type="checkbox"/>
3	Delay in project implementation activities at project site due to COVID-19 pandemic	Low Risk (L)	Low Risk (L)		Stakeholders have been informed and are agreed in the present crisis of COVID 19 pandemic	

2. If the project received a **sub-optimal risk rating (H, S)** in the previous reporting period, please state the **actions taken** since then to mitigate the relevant risks and improve the related risk rating. Please also elaborate on reasons that may have impeded any of the sub-optimal risk ratings from improving in the current reporting cycle; please indicate actions planned for the next reporting cycle to remediate this.

NA

3. Please indicate any implication of the **COVID-19** pandemic on the progress of the project.

The major implication of the COVID-19 pandemic is the complete halt of the activities both at installation/commissioning of the static plant at Bhilai Steel Plant and operation of the mobile de-chlorination plant for treatment of low-level PCBs at owner's site. This has caused inordinate delay due to complete lockdown in the country twice from March 2020 to October 2020 and again from April 2021 to Mid-June 2021 resulting in no reporting for work at site by the technicians, labours, etc. as per the directions/orders of the State Government as well as Central Government of India. As a result of this, the project has suffered badly resulting in unforeseen delays in the implementation of the activities.

4. Please clarify if the project is facing delays and is expected to request an **extension**.

⁴ New risk added in reporting period. Check only if applicable.

The project is still currently facing some delays in the commissioning of the static facility. Similarly, handover procedures and mechanisms are still being discussed with BSP management. Request for O&M was conveyed to UNIDO for a period of 1 year which may necessitate a further project extension.

5. Please provide the **main findings and recommendations of completed MTR**, and elaborate on any actions taken towards the recommendations included in the report.

NA

IV. Environmental and Social Safeguards (ESS)

1. As part of the requirements for **projects from GEF-6 onwards**, and based on the screening as per the UNIDO Environmental and Social Safeguards Policies and Procedures (ESSPP), which category is the project?

☐ Category A project

☐ Category B project

☐ Category C project

(By selecting Category C, I confirm that the E&S risks of the project have not escalated to Category A or B).

Notes on new risks:

- *If new risks have been identified during implementation due to changes in, i.e. project design or context, these should also be listed in (ii) below.*
- *If these new/additional risks are related to Operational Safeguards # 2, 3, 5, 6, or 8, please consult with UNIDO GEF Coordination to discuss next steps.*
- *Please refer to the UNIDO [Environmental and Social Safeguards Policies and Procedures \(ESSPP\)](#) on how to report on E&S issues.*

Please expand the table as needed.

	E&S risk	Mitigation measures undertaken during the reporting period	Monitoring methods and procedures used in the reporting period
(i) Risks identified in ESMP at time of CEO Endorsement	NA	NA	NA
(ii) New risks identified during project implementation (if not applicable, please insert 'NA' in each box)	NA	NA	NA

V. Stakeholder Engagement

1. Using the previous reporting period as a basis, please provide information on **progress, challenges and outcomes** regarding engagement of stakeholders in the project (based on the Stakeholder Engagement Plan or equivalent document submitted at CEO Endorsement/Approval).

All stakeholders are fully involved in the implementation of the project activities with sole aim to treat and dispose of PCBs in environmentally sound manner.

Bhilai Steel Plant of the Steel Authority of India Limited and Central Power Research Institute are the main stakeholders of the project. They are associated with the execution of the project activities right from the beginning of the project.

Static plant installation including de-chlorination plant, Plasma unit and the indirect thermal desorption unit are at the advance stage of installation/commissioning. Performance guarantee tests (PG) completed for Facility B (dechlorination system) and the ITD system. PG test for Facility A (Plasma system) has been planned to complete by end of July 2023.

The mobile de-chlorination system and the Sodium dispersion system are fully operational. During the reporting period 214 MT of PCBs contaminated oil have been treated. A total of 600 MT contaminated oil has been treated and dechlorinated. The balance 150 MT is expected to be treated by end of December 2023.

One of the major challenges was to convince the owner of the PCBs to come forward for the safe disposal of their stocks through the facilities put up under the project. However, the biggest challenge faced by stakeholders is to arrange for huge sum of funds for the treatment of large quantities of contaminated oils and cost for the replacement with new fresh oil. The project partner CPRI is encouraging owners of the PCBs stock owners to come forward and get their material treated at subsidised rates utilising the facility created under the project.

2. Please provide any feedback submitted by national counterparts, GEF OFP, co-financiers, and other partners/stakeholders of the project (e.g. private sector, CSOs, NGOs, etc.).

NA

3. Please provide any **relevant stakeholder consultation** documents.

1. 3775_MOM PSC Meeting Dec 13 2022
2. 3775_PCB project extension letter till Dec 2023
3. 3775_MOM project review meeting Nov 15 2022
4. 3775_Guidelines for PCBs, PCB-containing equipment and waste identification, tracking, and record keeping.
5. 3775_Guidelines for PCBs, PCB-containing equipment and waste collection, packaging, and transportation
6. 3775_Guidelines for PCBs, PCB-containing equipment and waste interim storage
7. 3775-Guidelines for PCBs, PCB-containing equipment and waste disposal
8. 3775_Guidance document on Reduction and Elimination of PCBs, prioritizing the Power Sector in India
9. 3775_Occupational Health and Safety Manual for Maintenance of polychlorinated biphenyls filled transformer, contaminated transformer oil, analytical laboratories and de-chlorination process industry

VI. Gender Mainstreaming

1. Using the previous reporting period as a basis, please report on the **progress achieved on implementing gender-responsive measures and using gender-sensitive indicators**, as documented at CEO Endorsement/Approval (in the project results framework, gender action plan or equivalent),.

As a GEF-4 project the CEO Endorsement did not foresee main gender issues.

VII. Knowledge Management

1. Using the previous reporting period as a basis, please elaborate on any **knowledge management activities / products**, as documented at CEO Endorsement / Approval.

N/A during the reporting period.

2. Please list any **relevant knowledge management mechanisms / tools** that the project has generated.

N/A during the reporting period

VIII. Implementation progress

1. Using the previous reporting period as a basis, please provide information on progress, challenges and outcomes achieved/observed with regards to project implementation.

Progress Outcomes and achievements:

The project has been successful in the development of guidelines, revalidation of the inventory, awarding of three (3) contracts for i). static facility for the treatment of 3400 tons of PCB contaminated oil, wastes and equipment; ii). Plasma system for the destruction of the pure PCBs 1700 Tonnes and iii). Mobile de-chlorination system for low level PCBs contaminated oil. Much delayed sub-contract with Central Power Research Institute has also been signed by CPRI with the agreed and approved TOR. The project has completed the following major activities during the reporting period:

1. As on June 30, 2023, 600 MT of PCB contaminated oil has been dechlorinated successfully using mobile dechlorination system by CPRI,. During the reporting period 214 MT of contaminated oil has been treated successfully. It is expected to complete the task of treating 750 MT by December 2023.

- CPRI also conducted 5 awareness raising programmes for various PCBs owners during the reported period.

3. Erection & commissioning of the static PCB plant consisting of plasma system, de-chlorination treatment plant, ITD, MEE, are completed Erection & commissioning of the static PCB plant consisting of plasma system, de-chlorination treatment plant, ITD, MEE, are completed

4. PLASMA System: System erected on concrete bed. System connected pipelines for argon oxygen and PCB fabricated and tested. Technical support team from Australia arrived to commission the system after the COVID 19 lockdown was lifted by GOI. Final commissioning was done by technical experts from Australia during 2 -14 November 2022. However, a feed rate of 30 Kg/Hr only could be achieved. System was further systematised to achieve rated feed rate of 45 kg/hr. Protocol for PG test developed and finalised. PG tests have been planned and likely to be completed by end of July 2023.

5. ITD System: All equipment received at site and installation & commissioning of the system is completed. Performance guarantee tests completed.

6. Process Equipment: Foundation work completed at site as per design. Equipment erection completed

7. MEE and Utilities: Testing of all pumps and rotary equipment completed. Leakage / pressure testing of tanks, surface condensers, and other equipment completed.

- Final commissioning done in November 2022

8. Decontamination of High / Low Level PCB oil (Part B) Systems:

- All the Process tanks, storage tanks and other connected systems installed, systemization completed.

- Testing of pumps & other rotary equipment completed.

- PG tests are in progress and likely to be completed by July 20, 2023.

9. Statutory Compliances:

- License for storage & handling of Oxygen, Argon granted by Petroleum and Explosive Safety Organization (PESO) on 07 June 2022.

- Authorization for Hazardous Waste handling granted by Chhattisgarh Environment Conservation Board (CECB) on 05th July, 2022.

- License for storage & handling of diesel by Petroleum and Explosive Safety Organization (PESO) is in process, likely to be issued by 10 August 2022.

10. Other activities:

- Instrumentation Work-Installation, testing of all instruments completed.

- BSP has released PCB oil filled transformers to PCB site. PCBs oil has been drained out from transformers and stored in designated tank. Decontamination/treatment work is in progress.

11. Participation in the PCB Fair during BRS 2023 in Geneva

- UNIDO was invited to put booth to showcase the good work carried by UNIDO globally during the BRS 2023 in Geneva in March 2023. EA representative and representative of MOEFCC GOI from India participated in this event.

Challenges

1. Complete lockdown in the state/country due to COVID-19 pandemic resulting in work stoppage during March – October 2020 and again during April- Mid June 2021. However, the work resumed with full swing to make up lost time when the lockdown was relaxed in between.

2. To convince the owner of the PCBs to come forward for the safe disposal of their stocks through the facilities put up under the project.

3. The other biggest challenge faced by stakeholders is to arrange for huge sum of funds for the treatment of large quantities of contaminated oil and cost for the replacement with new fresh oil. The project partner CPRI is encouraging owners of the PCBs stock owners to come forward and get their material treated at subsidised rates utilising the facility created under the project.

4. PCB disposal is not the core business of the operating entities selected and therefore, they need to be convinced of the merits of the facility being entrusted to them. "Handholding" has to be done to ensure that operations will continue after the project.

2. Please briefly elaborate on any **minor amendments**⁵ to the approved project that may have been introduced during the implementation period or indicate as not applicable (NA).

Please tick each category for which a change has occurred and provide a description of the change in the related textbox. You may attach supporting documentation, as appropriate.

<input type="checkbox"/>	Results Framework	
<input type="checkbox"/>	Components and Cost	
<input type="checkbox"/>	Institutional and Implementation Arrangements	
<input type="checkbox"/>	Financial Management	
<input checked="" type="checkbox"/>	Implementation Schedule	The project has suffered delays due to various reasons and has been extended for 7 years now.
<input checked="" type="checkbox"/>	Executing Entity	Operating entity for the static facility was changed to Bhilai Steel Plant which core business is steel production
<input type="checkbox"/>	Executing Entity Category	
<input type="checkbox"/>	Minor Project Objective Change	
<input type="checkbox"/>	Safeguards	
<input type="checkbox"/>	Risk Analysis	
<input type="checkbox"/>	Increase of GEF Project Financing Up to 5%	
<input type="checkbox"/>	Co-Financing	
<input type="checkbox"/>	Location of Project Activities	
<input type="checkbox"/>	Others	

3. Please provide progress related to the **financial implementation** of the project.

As of June 30, 2023, the project has total disbursement of US\$ 13,379,220.32 The project has remaining US\$ 720,779.68 remaining funds to complete remaining activities. Around 6.9M USD was allocated for the major intervention in component 4 on the implementation of ESM and final treatment of PCBs was made.

While cofinancing has definitely been provided due to the provision of land and construction of workshops to house the facilities, it has been quite difficult to obtain the figures from the project partners.

⁵ As described in Annex 9 of the *GEF Project and Program Cycle Policy Guidelines*, **minor amendments** are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5%.



PROJECT DELIVERY REPORT

Project:	104044 - ENVIRONMENTALLY SOUND MANAGEMENT AND FINAL DISPOSAL OF PCBS IN INDIA	Project Manager:	Carmela Centeno	Project Validity:	Status:	18.01.2010 - 31.12.2023
Project Theme:	Energy and Environment	Country:	India	Region	Asia and Pacific	
Grant	Grant Description	Fund	Currency	Grant Status	Grant Validity	
200000250	GFIND 10001	GF	USD	Authority to implement	18.01.2010 - 31.12.2023	

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
200000250											
104044-1-01-01	GFIND10001	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	39,291.44	0.00	0.00	0.00	143,510.55	143,510.55	104,219.11	39,291.44	0.00	104,219.11
1500	Local Travel	261.94	0.00	0.00	0.00	66,319.31	66,319.31	66,057.37	261.94	0.00	66,057.37
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	132,567.02	132,567.02	132,567.02	0.00	0.00	132,567.02
2014	2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100	Contractual Services	30,379.57	906.56	117,810.00	118,716.56	4,186,390.94	4,186,390.94	4,274,727.93	(88,336.99)	0.00	4,274,727.93
3000	Train/Fellowship/Study	51.63	0.00	0.00	0.00	3,011.21	3,011.21	2,959.58	51.63	0.00	2,959.58
3500	International Meetings	414.95	0.00	0.00	0.00	46,063.32	46,063.32	45,648.37	414.95	0.00	45,648.37
4300	Premises	230.60	(63.01)	8,731.15	8,668.14	67,146.53	67,146.53	75,584.07	(8,437.54)	0.00	75,584.07
4500	Equipment	(27.11)	0.00	0.00	0.00	75.00	75.00	102.11	(27.11)	0.00	102.11
5100	Other Direct Costs	101,602.89	562.06	6,369.55	6,931.61	(27,644.39)	(27,644.39)	(122,315.67)	94,671.28	0.00	(122,315.67)
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	492,052.51	492,052.51
104044-1-01-01	Total	172,205.91	1,405.61	132,910.70	134,316.31	4,617,439.49	4,617,439.49	4,579,549.89	37,889.60	492,052.51	5,071,602.40
104044-1-02-01	1.1 PCB Regulation reviewed	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	73,908.50	73,908.50	73,908.50	0.00	0.00	73,908.50
1500	Local Travel	10.09	0.00	0.00	0.00	20,082.54	20,082.54	20,072.45	10.09	0.00	20,072.45
1700	Nat.Consult./Staff	3.88	0.00	0.00	0.00	68,095.96	68,095.96	68,092.08	3.88	0.00	68,092.08
2100	Contractual Services	0.00	0.00	0.00	0.00	77,715.47	77,715.47	77,715.47	0.00	0.00	77,715.47
4300	Premises	0.00	0.00	0.00	0.00	39,355.38	39,355.38	39,355.38	0.00	0.00	39,355.38
5100	Other Direct Costs	0.00	0.00	0.00	0.00	5,426.02	5,426.02	5,426.02	0.00	0.00	5,426.02
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16,393.07	16,393.07
104044-1-02-01	Total	13.97	0.00	0.00	0.00	284,583.87	284,583.87	284,569.90	13.97	16,393.07	300,962.97

* Does not include Unapproved Obligations



PROJECT DELIVERY REPORT

Project:	104044 - ENVIRONMENTALLY SOUND MANAGEMENT AND FINAL DISPOSAL OF PCBS IN INDIA	Project Manager:	Carmela Centeno	Project Validity:	Status:	18.01.2010 - 31.12.2023
Project Theme:	Energy and Environment	Country:	India	Region	Asia and Pacific	
Grant	Grant Description	Fund	Currency	Grant Status	Grant Validity	
200000250	GFIND10001	GF	USD	Authority to implement	18.01.2010 - 31.12.2023	

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
104044-1-02-02	1.2 PCB Regulation established	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	25,980.35	0.00	0.00	0.00	26,009.12	26,009.12	26.77	25,980.35	0.00	26.77
1500	Local Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700	Nat.Consult./Staff	1,774.35	0.00	0.00	0.00	25,096.00	25,096.00	24,221.65	1,774.35	0.00	24,221.65
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	242.25	242.25	242.25	0.00	0.00	242.25
5100	Other Direct Costs	9,020.59	0.00	0.00	0.00	9,506.08	9,506.08	485.49	9,020.59	0.00	485.49
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(183.49)	(183.49)
104044-1-02-02	Total	36,775.29	0.00	0.00	0.00	61,753.45	61,753.45	24,978.16	36,775.29	(183.49)	24,794.67
104044-1-02-03	1.3 PCB Regulations implemented	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	9,541.36	9,541.36	9,541.36	0.00	0.00	9,541.36
1500	Local Travel	15,126.41	2,468.37	8,032.94	10,501.31	20,000.00	20,000.00	15,374.90	4,625.10	0.00	15,374.90
1700	Nat.Consult./Staff	1,441.08	0.00	0.00	0.00	29,614.81	29,614.81	28,173.73	1,441.08	0.00	28,173.73
3000	Train/Fellowship/Study	25,000.00	0.00	0.00	0.00	25,000.00	25,000.00	0.00	25,000.00	0.00	0.00
5100	Other Direct Costs	3,627.03	0.00	1.04	1.04	5,396.01	5,396.01	1,770.02	3,625.99	0.00	1,770.02
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,628.78	4,628.78
104044-1-02-03	Total	45,194.52	2,468.37	8,033.98	10,502.35	89,552.18	89,552.18	54,860.01	34,692.17	4,628.78	59,488.79
104044-1-02-04	1.4 ESM Guidelines	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	6,135.93	(11,382.59)	11,506.92	124.33	17,520.39	17,520.39	11,508.79	6,011.60	0.00	11,508.79
1500	Local Travel	20,000.00	0.00	0.00	0.00	20,000.00	20,000.00	0.00	20,000.00	0.00	0.00
1700	Nat.Consult./Staff	9,999.99	3,934.95	3,763.76	7,698.71	11,919.57	11,919.57	9,618.29	2,301.28	0.00	9,618.29
3000	Train/Fellowship/Study	20,000.00	0.00	0.00	0.00	20,000.00	20,000.00	0.00	20,000.00	0.00	0.00
5100	Other Direct Costs	620.72	0.00	172.17	172.17	1,854.92	1,854.92	1,406.37	448.55	0.00	1,406.37
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,309.70	2,309.70
104044-1-02-04	Total	56,756.64	(7,447.64)	15,442.85	7,995.21	71,294.88	71,294.88	22,533.45	48,761.43	2,309.70	24,843.15

* Does not include Unapproved Obligations



PROJECT DELIVERY REPORT

Project:	104044 - ENVIRONMENTALLY SOUND MANAGEMENT AND FINAL DISPOSAL OF PCBs IN INDIA	Project Manager:	Carmela Centeno	Project Validity: Status:	18.01.2010 - 31.12.2023 Implement
Project Theme:	Energy and Environment	Country:	India	Region	Asia and Pacific
Grant	Grant Description	Fund	Currency	Grant Status	Grant Validity
200000250	GFIND10001	GF	USD	Authority to implement	18.01.2010 - 31.12.2023

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
104044-1-03-01	2.1 Evaluation of Capacity	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500	Local Travel	12,016.33	0.00	0.00	0.00	15,000.00	15,000.00	2,983.67	12,016.33	0.00	2,983.67
1700	Nat.Consult./Staff	11.65	0.00	0.00	0.00	20,213.38	20,213.38	20,201.73	11.65	0.00	20,201.73
2100	Contractual Services	0.00	0.00	0.00	0.00	49,049.65	49,049.65	49,049.65	0.00	0.00	49,049.65
4300	Premises	0.00	0.00	0.00	0.00	40.50	40.50	40.50	0.00	0.00	40.50
5100	Other Direct Costs	18,237.11	0.00	0.00	0.00	19,904.44	19,904.44	1,667.33	18,237.11	0.00	1,667.33
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,579.13	7,579.13
104044-1-03-01	Total	30,265.09	0.00	0.00	0.00	104,207.97	104,207.97	73,942.88	30,265.09	7,579.13	81,522.01
104044-1-03-02	2.2 Training for stakeholders	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	28.77	28.77	28.77	0.00	0.00	28.77
1500	Local Travel	18,000.12	0.00	0.00	0.00	26,414.19	26,414.19	8,414.07	18,000.12	0.00	8,414.07
1700	Nat.Consult./Staff	12,670.20	22,825.69	20,910.25	43,735.94	117,557.04	117,557.04	148,622.78	(31,065.74)	0.00	148,622.78
2100	Contractual Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000	Train/Fellowship/Study	66,128.33	0.00	0.00	0.00	71,750.13	71,750.13	5,621.80	66,128.33	0.00	5,621.80
5100	Other Direct Costs	1,925.36	0.00	147.64	147.64	4,549.66	4,549.66	2,771.94	1,777.72	0.00	2,771.94
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16,364.47	16,364.47
104044-1-03-02	Total	98,724.01	22,825.69	21,057.89	43,893.58	220,299.79	220,299.79	165,459.36	54,840.43	16,364.47	181,823.83
104044-1-03-03	2.3 Inventory & Database	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500	Local Travel	0.00	0.00	0.00	0.00	9,773.02	9,773.02	9,773.02	0.00	0.00	9,773.02
1700	Nat.Consult./Staff	0.87	0.00	0.00	0.00	78,686.28	78,686.28	78,685.41	0.87	0.00	78,685.41
2100	Contractual Services	39,862.40	0.00	0.00	0.00	222,623.52	222,623.52	182,761.12	39,862.40	0.00	182,761.12
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4500	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5100	Other Direct Costs	1.79	0.00	0.00	0.00	1,979.96	1,979.96	1,978.17	1.79	0.00	1,978.17
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27,715.63	27,715.63
104044-1-03-03	Total	39,865.06	0.00	0.00	0.00	313,062.78	313,062.78	273,197.72	39,865.06	27,715.63	300,913.35

* Does not include Unapproved Obligations



PROJECT DELIVERY REPORT

Project:	104044 - ENVIRONMENTALLY SOUND MANAGEMENT AND FINAL DISPOSAL OF PCBs IN INDIA	Project Manager:	Carmela Centeno	Project Validity Status:	18.01.2010 - 31.12.2023 Implement
Project Theme:	Energy and Environment	Country:	India	Region	Asia and Pacific
Grant	Grant Description	Fund	Currency	Grant Status	Grant Validity
200000250	GFIND10001	GF	USD	Authority to implement	18.01.2010 - 31.12.2023

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
104044-1-03-04	2.4 Analysis & Monitoring	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500	Local Travel	931.93	(306.38)	306.54	0.16	4,560.75	4,560.75	3,628.98	931.77	0.00	3,628.98
1600	Staff Travel	0.00	0.00	686.27	686.27	0.00	0.00	686.27	(686.27)	0.00	686.27
1700	Nat.Consult./Staff	1,945.41	0.00	0.00	0.00	75,400.21	75,400.21	73,454.80	1,945.41	0.00	73,454.80
2100	Contractual Services	0.00	0.00	0.00	0.00	277,265.00	277,265.00	277,265.00	0.00	0.00	277,265.00
5100	Other Direct Costs	472.58	0.00	0.00	0.00	1,171.42	1,171.42	698.84	472.58	0.00	698.84
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36,230.94	36,230.94
104044-1-03-04	Total	3,349.92	(306.38)	992.81	686.43	358,397.38	358,397.38	355,733.89	2,663.49	36,230.94	391,964.83
104044-1-03-05	2.5 Awareness raising	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1500	Local Travel	12.56	0.00	0.00	0.00	15,604.66	15,604.66	15,592.10	12.56	0.00	15,592.10
1600	Staff Travel	0.00	0.00	176.78	176.78	0.00	0.00	176.78	(176.78)	0.00	176.78
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	33,984.54	33,984.54	33,984.54	0.00	0.00	33,984.54
2100	Contractual Services	712.03	0.00	0.00	0.00	157,333.84	157,333.84	156,621.81	712.03	0.00	156,621.81
5100	Other Direct Costs	0.00	0.00	0.00	0.00	2,014.17	2,014.17	2,014.17	0.00	0.00	2,014.17
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21,210.49	21,210.49
104044-1-03-05	Total	724.59	0.00	176.78	176.78	208,937.21	208,937.21	208,389.40	547.81	21,210.49	229,599.89
104044-1-04-01	3.1 ESM of PCBs	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.01	0.00	0.00	0.00	36,755.86	36,755.86	36,755.85	0.01	0.00	36,755.85
1500	Local Travel	0.00	0.00	0.00	0.00	35,173.00	35,173.00	35,173.00	0.00	0.00	35,173.00
1700	Nat.Consult./Staff	17.13	0.00	0.00	0.00	219,795.00	219,795.00	219,777.87	17.13	0.00	219,777.87
2100	Contractual Services	0.00	0.00	0.00	0.00	1,069,141.26	1,069,141.26	1,069,141.26	0.00	0.00	1,069,141.26
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	(4,281.63)	(4,281.63)	(4,281.63)	0.00	0.00	(4,281.63)
3500	International Meetings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4500	Equipment	2.11	0.00	11.04	11.04	42,866.35	42,866.35	42,875.28	(8.93)	0.00	42,875.28
5100	Other Direct Costs	0.00	0.00	0.00	0.00	2,676.82	2,676.82	2,676.82	0.00	0.00	2,676.82
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	142,365.80	142,365.80
104044-1-04-01	Total	19.25	0.00	11.04	11.04	1,402,126.66	1,402,126.66	1,402,118.45	8.21	142,365.80	1,544,484.25

* Does not include Unapproved Obligations




PROJECT DELIVERY REPORT

Project:	104044 - ENVIRONMENTALLY SOUND MANAGEMENT AND FINAL DISPOSAL OF PCBs IN INDIA	Project Manager:	Carmela Centeno	Project Validity Status:	18.01.2010 - 31.12.2023 Implement
Project Theme:	Energy and Environment	Country:	India	Region	Asia and Pacific
Grant	Grant Description	Fund	Currency	Grant Status	Grant Validity
200000250	GFIND10001	GF	USD	Authority to implement	18.01.2010 - 31.12.2023


	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
104044-1-05-01	4.1 ESM in 13 States	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	868.15	0.00	0.00	0.00	26,320.23	26,320.23	25,452.08	868.15	0.00	25,452.08
1500	Local Travel	1,772.05	0.00	0.00	0.00	7,125.00	7,125.00	5,352.95	1,772.05	0.00	5,352.95
1700	Nat.Consult./Staff	5,653.50	4,441.92	0.00	4,441.92	39,782.41	39,782.41	38,570.83	1,211.58	0.00	38,570.83
2100	Contractual Services	2,048.38	0.00	0.00	0.00	85,041.38	85,041.38	82,993.00	2,048.38	0.00	82,993.00
3500	International Meetings	0.00	0.00	0.00	0.00	363.34	363.34	363.34	0.00	0.00	363.34
4300	Premises	4,641.27	0.00	0.00	0.00	18,599.96	18,599.96	13,958.69	4,641.27	0.00	13,958.69
5100	Other Direct Costs	535.35	0.00	0.00	0.00	6,209.12	6,209.12	5,673.77	535.35	0.00	5,673.77
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17,667.35	17,667.35
104044-1-05-01	Total	15,518.70	4,441.92	0.00	4,441.92	183,441.44	183,441.44	172,364.66	11,076.78	17,667.35	190,032.01
104044-1-05-02	4.2 Interim Storage and Transport	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500	Local Travel	1,704.79	0.00	0.00	0.00	5,308.97	5,308.97	3,604.18	1,704.79	0.00	3,604.18
1700	Nat.Consult./Staff	4,369.14	2,593.09	2,596.27	5,189.36	6,610.59	6,610.59	7,430.81	(820.22)	0.00	7,430.81
2100	Contractual Services	0.00	0.00	0.00	0.00	279,577.91	279,577.91	279,577.91	0.00	0.00	279,577.91
5100	Other Direct Costs	9.20	0.00	36.84	36.84	251.04	251.04	278.68	(27.64)	0.00	278.68
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29,816.35	29,816.35
104044-1-05-02	Total	6,083.13	2,593.09	2,633.11	5,226.20	291,748.51	291,748.51	290,891.58	856.93	29,816.35	320,707.93
104044-1-05-03	4.3 Final ESM Treatment	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	1,280.41	0.00	0.00	0.00	1,280.41	1,280.41	0.00	1,280.41	0.00	0.00
1500	Local Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100	Contractual Services	399,734.39	0.00	60,590.70	60,590.70	5,331,912.93	5,331,912.93	4,992,769.24	339,143.69	0.00	4,992,769.24
3000	Train/Fellowship/Study	48,826.07	0.00	0.00	0.00	48,826.07	48,826.07	0.00	48,826.07	0.00	0.00
3500	International Meetings	0.00	0.00	0.00	0.00	97.80	97.80	97.80	0.00	0.00	97.80
5100	Other Direct Costs	75.64	0.00	0.00	0.00	885.00	885.00	809.36	75.64	0.00	809.36
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	511,851.84	511,851.84
104044-1-05-03	Total	449,916.51	0.00	60,590.70	60,590.70	5,383,002.21	5,383,002.21	4,993,676.40	389,325.81	511,851.84	5,505,528.24

* Does not include Unapproved Obligations

 PROJECT DELIVERY REPORT		Project:	104044 - ENVIRONMENTALLY SOUND MANAGEMENT AND FINAL DISPOSAL OF PCBs IN INDIA		Project Manager:	Carmela Centeno	Project Validity: Status:	18.01.2010 - 31.12.2023 Implement
Reporting Period:	18.01.2010 - 30.06.2023	Project Theme:	Energy and Environment		Country:	India	Region	Asia and Pacific
Sponsor Nr.	Sponsor	Grant	Grant Description	Fund	Currency	Grant Status	Grant Validity	
400150	GEF - Global Environment Facility	200000250	GFIND10001	GF	USD	Authority to implement	18.01.2010 - 31.12.2023	

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
104044-1-06-01	5.1 Establish Project Management Struct.	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	38.52	0.00	0.00	0.00	38.52	38.52	0.00	38.52	0.00	0.00
1700	Nat.Consult./Staff	563.69	0.00	0.00	0.00	106,011.31	106,011.31	105,427.62	583.69	0.00	105,427.62
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	58.47	58.47	58.47	0.00	0.00	58.47
4300	Premises	0.00	0.00	0.00	0.00	24,769.92	24,769.92	24,769.92	0.00	0.00	24,769.92
4500	Equipment	0.00	0.00	0.00	0.00	938.13	938.13	938.13	0.00	0.00	938.13
5100	Other Direct Costs	9.09	0.00	0.00	0.00	(5,274.13)	(5,274.13)	(5,283.22)	9.09	0.00	(5,283.22)
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,671.16	9,671.16
104044-1-06-01	Total	631.30	0.00	0.00	0.00	126,542.22	126,542.22	125,910.92	631.30	9,671.16	135,582.08
104044-1-06-02	5.2 M&E Mechanism designed	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500	Local Travel	0.00	0.00	0.00	0.00	685.42	685.42	685.42	0.00	0.00	685.42
1600	Staff Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700	Nat.Consult./Staff	1,337.89	0.00	0.00	0.00	161,043.26	161,043.26	159,705.37	1,337.89	0.00	159,705.37
2100	Contractual Services	0.00	0.00	0.00	0.00	272.35	272.35	272.35	0.00	0.00	272.35
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4300	Premises	1,935.18	69.09	451.80	520.89	132,633.67	132,633.67	131,219.38	1,414.29	0.00	131,219.38
4500	Equipment	0.00	0.00	0.00	0.00	6,522.76	6,522.76	6,522.76	0.00	0.00	6,522.76
5100	Other Direct Costs	(162.33)	0.00	0.00	0.00	2,152.69	2,152.69	2,335.02	(182.33)	0.00	2,335.02
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30,540.13	30,540.13
104044-1-06-02	Total	3,090.74	69.09	451.80	520.89	303,310.15	303,310.15	300,740.30	2,569.85	30,540.13	331,280.43

* Does not include Unapproved Obligations

 PROJECT DELIVERY REPORT		Project:	104044 - ENVIRONMENTALLY SOUND MANAGEMENT AND FINAL DISPOSAL OF PCBs IN INDIA		Project Manager:	Carmela Centeno	Project Validity: Status:	18.01.2010 - 31.12.2023 Implement
Reporting Period:	18.01.2010 - 30.06.2023	Project Theme:	Energy and Environment		Country:	India	Region	Asia and Pacific
Sponsor Nr.	Sponsor	Grant	Grant Description	Fund	Currency	Grant Status	Grant Validity	
400150	GEF - Global Environment Facility	200000250	GFIND10001	GF	USD	Authority to implement	18.01.2010 - 31.12.2023	

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
104044-1-06-03	Evaluation	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
1100	Staff & Intern Consultants	23,410.04	(5,251.89)	5,439.90	188.01	55,936.84	55,936.84	32,714.81	23,222.03	0.00	32,714.81
1500	Local Travel	(19.36)	0.00	0.00	0.00	8,960.00	8,960.00	8,979.36	(19.36)	0.00	8,979.36
1700	Nat.Consult./Staff	6,850.76	0.00	0.00	0.00	6,850.41	6,850.41	(0.35)	6,850.76	0.00	(0.35)
4300	Premises	0.00	0.01	0.00	0.01	8,447.26	8,447.26	8,447.27	(0.01)	0.00	8,447.27
5100	Other Direct Costs	(56.96)	0.00	0.00	0.00	105.30	105.30	162.26	(56.96)	0.00	162.26
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,156.01	5,156.01
104044-1-06-03	Total	30,184.48	(5,251.88)	5,439.90	188.02	80,299.81	80,299.81	50,303.35	29,996.46	5,156.01	55,459.36
200000250	Total	989,319.11	20,797.87	247,741.56	268,539.43	14,100,000.00	14,100,000.00	13,379,220.32	720,779.68	1,371,369.87	14,750,590.19
104044	USD Total	989,319.11	20,797.87	247,741.56	268,539.43	14,100,000.00	14,100,000.00	13,379,220.32	720,779.68	1,371,369.87	14,750,590.19

* Does not include Unapproved Obligations

IX. Work Plan and Budget

1. Please provide an updated project work plan and budget for the remaining duration of the project, as per last approved project extension. Please expand/modify the table as needed.

Please fill in the below table or make a reference to a file, in case it is submitted as an annex to the report.

Outputs by Project Component	2023		GEF Grant Budget Available (US\$)
	Q3	Q4	
Outcome 4: Regional capability for final treatment and disposal of PCBs, PCB-containing equipment and wastes			649,692.47
Output 4.3 Final ESM treatment of at least 7,700 tons of PCBs, PCB-containing equipment and PCB-contaminated oil and wastes undertaken	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Outcome 5: Project Management and monitoring and evaluation			71,087.21
Output 5.1 Project management structure established	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Output 5.2 An M&E mechanism designed and implemented according to GEF M&E procedures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

X. Synergies

1. **Synergies** achieved:

Describe potential synergies arising out of UNIDO internal cooperation and/or cooperation with (external) bilateral and multilateral projects/programmes, if applicable.

3. **Stories to be shared** (Optional)

Please provide a brief summary of any especially interesting and impactful project results that are worth sharing with a larger audience, and/or investing communications time in. Please include links to any stories/videos available online.

XI. GEO LOCATION INFORMATION

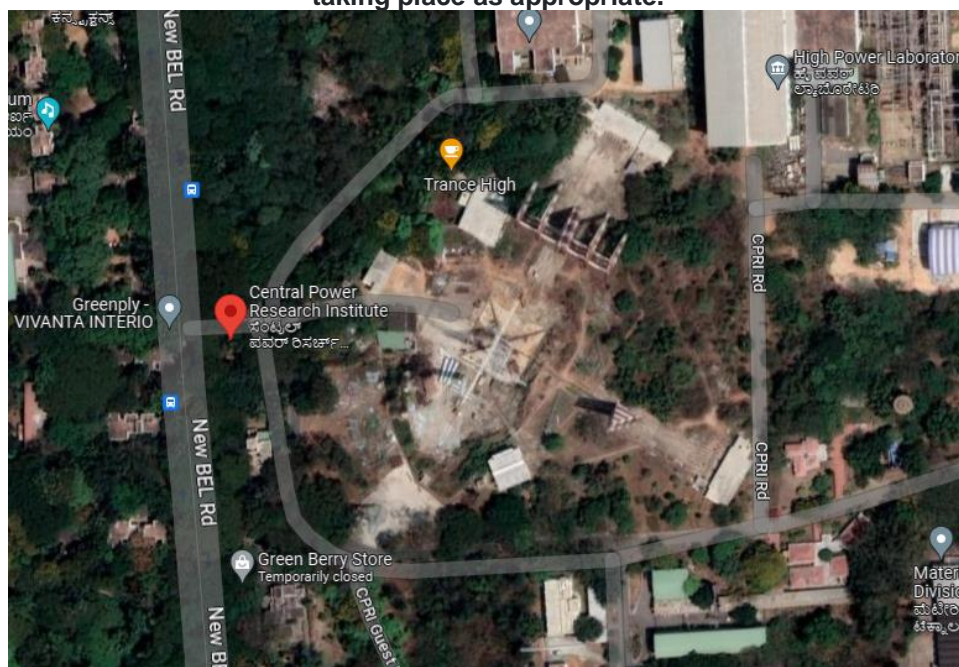
The Location Name, Latitude and Longitude are required fields insofar as an Agency chooses to enter a project location under the set format. The Geo Name ID is required in instances where the location is not exact, such as in the case of a city, as opposed to the exact site of a physical infrastructure. The Location & Activity Description fields are optional. Project longitude and latitude must follow the Decimal Degrees WGS84 format and Agencies are encouraged to use at least four decimal points for greater accuracy. Users may add as many locations as appropriate.

Web mapping applications such as [OpenStreetMap](#) or [GeoNames](#) use this format. Consider using a conversion tool as needed, such as: <https://coordinates-converter.com>

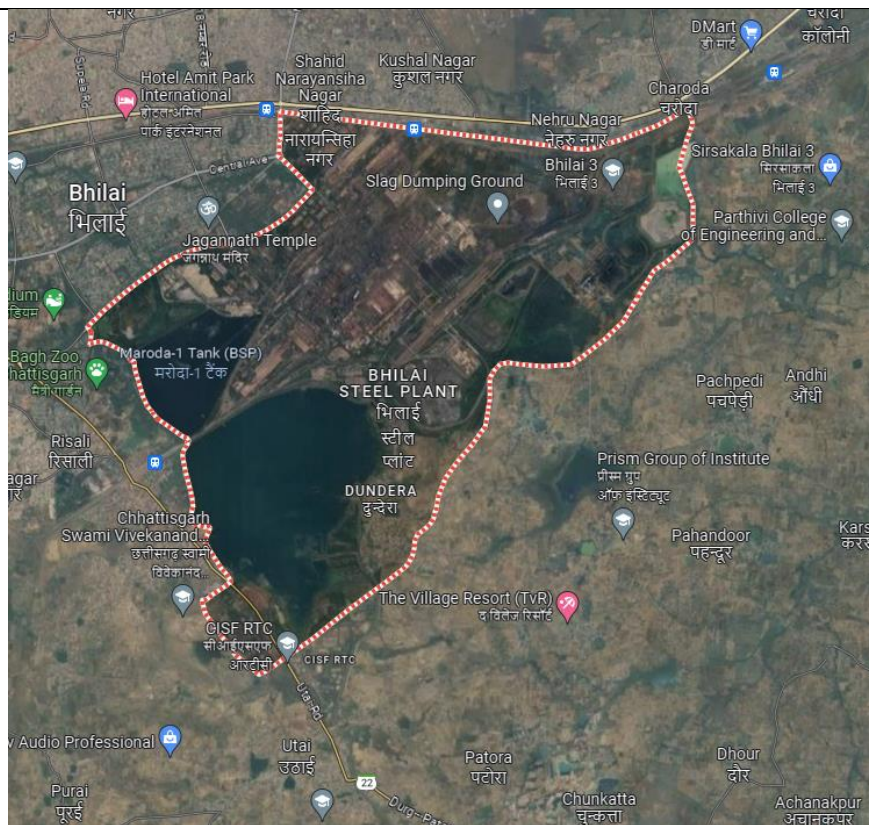
Please see the Geocoding User Guide by clicking [here](#)

Location Name	Latitude	Longitude	Geo Name ID	Location and Activity Description
Central Power Research Institute	13.02225	77.57294	Sadashiva Nagar	Location of the mobile PCB dechlorination unit
Bhilai Steel Plant	21.16979	81.39539		Location of the static PCB facilities

Please provide any further geo-referenced information and map where the project interventions is taking place as appropriate.



Central Power Research Institute



Bhilai Steel Plant

EXPLANATORY NOTE

1. **Timing & duration:** Each report covers a twelve-month period, i.e. 1 July 2021 – 30 June 2022.
2. **Responsibility:** The responsibility for preparing the report lies with the project manager in consultation with the Division Chief and Director.
3. **Evaluation:** For the report to be used effectively as a tool for annual self-evaluation, project counterparts need to be fully involved. The (main) counterpart can provide any additional information considered essential, including a simple rating of project progress.
4. **Results-based management:** The annual project/programme progress reports are required by the RBM programme component focal points to obtain information on outcomes observed.

Global Environmental Objectives (GEOs) / Development Objectives (DOs) ratings	
Highly Satisfactory (HS)	Project is expected to achieve or exceed <u>all</u> its major global environmental objectives, and yield substantial global environmental benefits, without major shortcomings. The project can be presented as “good practice”.
Satisfactory (S)	Project is expected to <u>achieve most</u> of its <u>major</u> global environmental objectives, and yields satisfactory global environmental benefits, with only minor shortcomings.

Moderately Satisfactory (MS)	Project is expected to <u>achieve most</u> of its major <u>relevant</u> objectives but with either significant shortcomings or modes overall relevance. Project is expected not to achieve some of its major global environmental objectives or yield some of the expected global environmental benefits.
Moderately Unsatisfactory (MU)	Project is expected to achieve <u>some</u> of its major global environmental objectives with major shortcomings or is expected to <u>achieve only some</u> of its major global environmental objectives.
Unsatisfactory (U)	Project is expected <u>not</u> to achieve <u>most</u> of its major global environmental objectives or to yield any satisfactory global environmental benefits.
Highly Unsatisfactory (HU)	The project has failed to achieve, and is not expected to achieve, <u>any</u> of its major global environmental objectives with no worthwhile benefits.

Implementation Progress (IP)	
Highly Satisfactory (HS)	Implementation of <u>all</u> components is in substantial compliance with the original/formally revised implementation plan for the project. The project can be presented as "good practice".
Satisfactory (S)	Implementation of <u>most</u> components is in substantial compliance with the original/formally revised plan except for only few that are subject to remedial action.
Moderately Satisfactory (MS)	Implementation of <u>some</u> components is in substantial compliance with the original/formally revised plan with some components requiring remedial action.
Moderately Unsatisfactory (MU)	Implementation of <u>some</u> components is <u>not</u> in substantial compliance with the original/formally revised plan with most components requiring remedial action.
Unsatisfactory (U)	Implementation of <u>most</u> components in <u>not</u> in substantial compliance with the original/formally revised plan.
Highly Unsatisfactory (HU)	Implementation of <u>none</u> of the components is in substantial compliance with the original/formally revised plan.

Risk ratings	
Risk ratings will assess the overall risk of factors internal or external to the project which may affect implementation or prospects for achieving project objectives. Risk of projects should be rated on the following scale:	
High Risk (H)	There is a probability of greater than 75% that assumptions may fail to hold or materialize, and/or the project may face high risks.
Substantial Risk (S)	There is a probability of between 51% and 75% that assumptions may fail to hold or materialize, and/or the project may face substantial risks.
Moderate Risk (M)	There is a probability of between 26% and 50% that assumptions may fail to hold or materialize, and/or the project may face only moderate risk.
Low Risk (L)	There is a probability of up to 25% that assumptions may fail to hold or materialize, and/or the project may face only low risks.