

F.No.22-5/2008- HSMD
Government of India
Ministry of Environment, Forest and Climate Change
(HSM Division)

Indira Paryavaran Bhawan,
Aliganj, Jorbagh Road,
New Delhi – 110003.

Dated: 19th December, 2022

OFFICE MEMORANDUM

Subject: Minutes of the Project Steering Committee Meeting of the GEF funded project “Environmentally Sound Management and Final Disposal of Poly Chlorinated Biphenyls (PCBs) in India”-reg.

The undersigned is directed to refer the Ministry's Meeting Notice dated 08.12.2022 regarding the Project Steering Committee (PSC) meeting of the GEF funded project **“Environmentally Sound Management and Final Disposal of Poly Chlorinated Biphenyls (PCBs) in India”**.

2. The PSC meeting was convened in hybrid mode under the Chairmanship of **Shri Naresh Pal Gangwar, Additional Secretary, MoEF&CC** on 13.12.2022 at 4:30 PM.

3. In this regard, it is to inform that the minutes of the PSC meeting has been approved by the Competent Authority. A copy of the minutes of the meeting is hereby enclosed for information and necessary action.

Encl: As stated

N. Subrahmanyam
19/12/22
(N. Subrahmanyam)
Scientist D

To

1. The Secretary, Ministry of Power, Shram Shakti Bhawan. Rafi Marg, New Delhi – 110001. Email: secy-power@nic.in
2. The Secretary (SAIL), Ministry of Steel, Room 289, Udyog Bhawan New Delhi – 110 003. Email: secy-steel@nic.in

3. The Chairman, Central Electricity Authority, Sewa Bhawan, R. K. Puram, Sector-1, New Delhi - 110 066, Email: chair@nic.in, Ph: 011-26732222. Email: chair@nic.in
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD cum office complex, East Arjun Nagar, Delhi-110032. Email: mscb.cpcb@nic.in
5. The Chief Executing Officer, Steel Authority of India Limited Bhilai Steel Plant, Bhilai-490001, Chhattisgarh. Email: ceo_bsp@sail-bhilaisteel.com
6. The Director General, Central Power Research Institute, C.V.Raman Road, Sadashivanagar P.O.Bangalore-560080, Karnataka, Tele: 080-23600412. Email: dgcpri@cpri.in
7. The Director (Technical), Steel Authority of India Limited, Ispat Bhawan, Lodhi road, New Delhi 110033. Email: director.technical@sail.in
8. Dr. Rene Van Berkel, Regional Director, UNIDO, UN House, 55 Lodhi Estate, New Delhi-110003. Email: r.vanberkel@unido.org
9. Dr. Y P Ramdev, National Technical Advisor, UNIDO, UN House, 55 Lodhi Estate, New Delhi-110003. Email: Y.RAMDEV@unido.org
10. Ms. Carmela Centeno, Project Manager, UNIDO, Vienna International Centre, P.O. Box 300, A-1400 Vienna, Austria. Email: C.CENTENO@unido.org

Copy to:

1. PPS to AS(NPG)
2. Dir(SK)
3. SO(HSMD)/ASO(DKS)

Minutes of the Project Steering Committee Meeting for GEF Funded Project titled 'Environmentally Sound Management and Final Disposal of Polychlorinated Biphenyls in India' held on 13.12.2022

The meeting of the Project Steering Committee (PSC) of the GEF funded project 'Environmentally Sound Management and Final Disposal of Polychlorinated Biphenyls' was held on 13.12.2022 at 4:30 PM through hybrid mode. The meeting was chaired by **Shri Naresh Pal Gangwar, Additional Secretary, MoEF&CC**. The list of participants is annexed (**Annexure I**).

2. The objectives of the project are as given below:

- i. Strengthen the legal and regulatory framework for environmentally sound management (ESM) and disposal of PCBs, PCB containing equipments and PCB-containing mineral oils and wastes
- ii. Improve institution capacity at all levels of PCBs disposal management
- iii. Removal of 7700 tons of PCBs, PCB containing equipments and PCB-containing mineral oils and wastes from targeted sites and transport them to disposal unit
- iv. Disposal of 7700 tons of PCBs, PCB containing equipments and PCB-containing mineral oils and wastes in an environmentally sound manner

3. The review meeting of the project was conducted on 15.11.2022 to review the implementation of the project activities in detail. Minutes of the project review meeting are enclosed in **Annexure II**.

4. The project has been sanctioned by GEF for the total funding of \$43.1 million (Rs.314 crore) with the break-up of following contributions various stakeholders: -

- a) GEF funding: \$ 14.1 million
- b) MoEF&CC - \$ 7.5 million (co-financing/in-kind contribution)
- c) UNIDO- \$ 0.15 million (co-financing/in-kind contribution)
- d) CPRI/MoP - \$ 21.35 million (co-financing/in-kind contribution)

5. UNIDO made a presentation on the physical and financial aspects of the project. UNIDO informed that out of the total GEF funding of USD 14.1 million, the expenditure is USD 13.105 million as on November 2022. Financial statement of the project was presented by UNIDO as given below:

Sn.	Agency	Contributions		Expenditure
1.	UNIDO	GEF Grant	14.1 million USD	13.105 million USD (as on 30.11.2022)
		Co-financing	29.0 million USD	

	Total project cost		43.1 million USD	
2.	SAIL-BSP	Co-financing	37.16 Cr INR	37.16 Crores INR (as on 30.06.2022, equivalent to USD 4.6 million)

6. UNIDO stated that the Stockholm Convention requires the end of use of PCBs by 31.12.2025 and complete environmentally sound disposal of PCBs by 31.12.2028. India has a confirmed inventory of 9,838 ton of PCBs (according to National Implementation Plan). The project aims for environmentally sound management and final disposal of 7700 tons (~80% of the currently known inventory) of PCBs and PCB containing equipment and mineral oils and wastes.

7. UNIDO presented the **present status** of the four components of the project as given below:

SI No.	Component	Status
1	Policy and Regulatory Framework	Completed
2	Institutional Capacity Building	Completed
3	PCB Owner Capacity Building	Completed
4	Technical Capacity to Collect, Treat and Dispose PCBs and PCB containing equipment, oils and waste	<p>i. Mobile Dechlorination Plant (Executing agency-CPRI): PCB de-chlorination unit and sodium dispersion units for treatment of low concentration PCB oils onsite commissioned since July, 2018.</p> <p>Static Facilities at Bhilai Steel Plant (Executing Agency-BSP SAIL):</p> <p>ii. Static Dechlorination Plant: Facility for treatment of PCB oils commissioned in November, 2022.</p> <p>iii. Static Plascon Plant: Facility for treatment of pure/concentrated PCBs commissioned in November, 2022.</p> <p>iv. Indirect Thermal Desorption: Facility for treatment of PCB in equipment/ parts : Commissioning in Progress</p>

8. UNIDO informed that the cluster terminal evaluation of the project was done by a team of Independent Evaluation experts, and team members of evaluators visited the project site and interacted with the executing partners, GEF OFP India and Director HSMD.

9. UNIDO highlighted the destruction capacity of the various facilities of the project as given below:

PCB Category	Inventory (as per updated NIP)	Destruction/Decontaminated Capacity	Projected destruction time
Pure/ concentrated	1,972 MT	Plascon: 330 MT/yr	6.0 years
PCB contaminated oils	7,867 MT	Mobile: 600 MT/yr Static: 1200 MT/yr	5.0 years
Equipment/porous materials	Porous material	ITD: 330 MT/yr	

10. UNIDO informed that so far 388 MT (51.7%) contaminated oil has been decontaminated through the mobile unit (of 750 ton obligation). Confirmed orders from power utilities are in hands to treat additional 245 MT contaminated oil which will get the treated quantity closer to the 750 ton obligation (89.38%). The de-chlorination target by the mobile facility is going to be completed approximately by June 2023.

11. UNIDO further presented the **work undertaken/completed since January 2022** as given below:

Mobile Facility (CPRI), Bangalore: 132.75 MT of low concentration PCB has been treated since January, 2022.

Static Facilities, Bhilai Steel Plant:

Statutory Compliances

- Consent to Operate (CTO) for both Part A & Part B of project obtained from Chhattisgarh Environment Conservation Board (CECB) on 19th 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 05th July, 2022.
- License for storage & handling of diesel by Petroleum and Explosive Safety Organization (PESO) obtained on July 25, 2022

Part-A: Destruction of Pure PCBs and Decontamination of Porous material 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 31st March 2022. Commissioning in progress.
- Multiple Effect Evaporator (MEE) System – Testing of all pumps and rotary equipment completed. Leakage / pressure testing of tanks, surface condensers, Calandrias and other equipment completed.
- MEE system commissioned on November 14, 2022.
- Plascon System – System erected on concrete bed. System connected pipe lines for argon oxygen and PCB fabricated and tested. Final commissioning and trial run completed – November 8, 2022. Performance guarantee test in progress. Onsite training conducted for operators.
- Boiler- (Capacity – 600 Kg/Hour) - Both the boilers commissioned on 4th April, 2022.

Part-B: Decontamination of High / Low Level PCB oil Systems

- All the Process tanks, storage tanks and other connected systems installed, systemization completed. Testing of pumps & other rotary equipment completed.
- Chillers- Both the chillers commissioned on 27th May, 2022.
- Oil de-gasifier & Oil Re-generation units –Erection completed pressure testing with water done.
- Sodium Dispersion Solution Preparation System- Erection and pressure testing done.
- De-Chlorination Process chamber- erection and pressure testing done.
- Lab Instrument- All the lab instruments installed and tested. The GC ECD instrument commissioned and operational
- Trial run began on 24 September, 2022.
- Commissioned – November, 2022

12. UNIDO presented the revised **timelines on the outstanding activities** of the project as given below:

- Trial run for de-chlorination system is online and will be completed by December, 2022.
- Trial run of plasma system is ongoing and will be completed by December, 2022.
- Performance guarantee test for plasma is ongoing and will be completed by December, 2022.
- Performance guarantee test for de-chlorination test is ongoing and will be completed by December, 2022.

- Handing over the static facility to BSP after stabilization of operations.
- Development of a web-enabled MIS will be completed by April, 2023.

13. UNIDO informed that BSP has requested for assistance in stabilization and optimization of the operation of PCB plant at BSP. SAIL-BSP requested to have technical and operational support from UNIDO through its technology vendor i.e. M/s Ramky Enviro Engineers Ltd. for 12 months.

14. UNIDO stated that by the year 2025, 70% of the phase-out of PCBs will be achieved followed by de-chlorination treatment of existing PCB-containing equipment from the current inventory and by the year 2028, 120% phase out will be achieved. UNIDO highlighted that the PCB owners need to be incentivised to declare their PCB stocks and start their release for treatment and disposal.

15. UNIDO requested to consider extending the duration of the project for 12 months (upto 31 December 2023) to enable to provide assistance to BSP for stabilisation of operations.

16. BSP submitted the following points through email as there was a problem with the connection on their side:

- As per TOR, the PLASCON system is designed to destruct the pure PCB oil above 40% at 45kg/hr, i.e 1 T/day in 3 shift operation
- All the Pure PCB samples collected and tested at PCB plant of BSP by Ramky have concentration below 40%. When the system was run with this concentration, the maximum feed rate achieved was 30 Kg/hour. Along with low PCB rate, there was operational difficulty of frequent choking of filters & very high Oxygen consumption.
- As per the CPRI test report submitted on 23/05/2014, the samples of different PCBs are in the range of 57% to 74%.
- Retesting of the samples by CPRI or recognized lab is to be done to restart the PLASCON system.

Deliberations:

17. It is informed that inventory may be made available on website to ascertain whether PCB owners (DISCOMs, Fertiliser plants, etc) have securely stored the discarded PCBs from transformers and equipment.

18. The continued use of the facilities after the completion of treatment of PCB inventory in the country (9,838 ton) shall also be explored. UNIDO replied that the facilities can be used to treat other Persistent Organic Pollutants (POPs) too.

19. It was further informed that the challenge with regard to the mobile facility is the utilities are not coming forward for de-chlorination of PCB oils due to high cost of the

treatment. It was stated that once guidelines, covering the treatment cost and methodology for taking up treatment of PCB are developed and put in public domain, the utilities will come forward for accessing the facilities.

20. All utilities including DISCOMs and power generating companies are required prohibit usage of PCBs in any form by December, 2025 and destruct the stockpiles of PCBs in environmentally beneficial manner by December, 2028, as mandated by the MoEFCC notification vide dated 06.04.2016. MoEFCC may write to the concerned State Governments informing them about the mandate of the notification and about the facilities (CPRI and BSP) for treatment of their PCB contaminated oil.

21. The Chair stated that if there are surplus funds after the completion of activities under the project, workshops can be arranged over the course of next year with the concerned stakeholders.

22. The following **decisions** were made after the deliberations:

- i. PSC recommended for extension of 12 months to realize the completion of the project activities;
- ii. MoEF&CC to write to the concerned State Governments informing about the mandate of the Notification of the MoEFCC and about the facilities (BSP and CPRI) for treatment of their PCB contaminated oil.
- iii. Work plan for utilization of surplus funds including stakeholder engagement (Workshops) shall be prepared in consultation with PMU.

23. The meeting ended with vote of thanks to the Chair.

List of Participants

MoEF&CC

1. Mr. Naresh Pal Gangwar, Additional Secretary – National Project Director and Chairman
2. Dr. Satyendra Kumar, Director, NPC, MoEFCC
3. Mr. N. Subrahmanyam, Scientist D, MoEFCC
4. Ms. Shraddha Dhakhwa, Assistant Project Coordinator, UNIDO
5. Ms. Preeti Dubey, Project Assistant, UNIDO

Central Electricity Authority, M/o Power

6. Mr. Yogendra Swarnkar, Director
7. Mr. Lav Kush Singh, Deputy Director
8. Mr. Reetesh Tiwari, Deputy Director
9. Mr. Mukesh Kumar, Deputy Director
10. Mr. Vijay Menghani, Chief Engineer

UNIDO

11. Dr. Rene Van Berkel, Regional Director & UNIDO Representative
12. Ms. Carmela Centeno, Project Manager, Head Office, Vienna
13. Dr. Y.P. Ramdev, National Technical Advisor
14. Dr. R. K. Agarwal, National Consultant (Static Facility)
15. Mr. C. J. Naidu, National Consultant (Mobile Facility)

SAIL-BSP

16. Mr. Anjani Kumar, Executive Director (Work)
17. Mr. Asit Saha, CGM I/c (M&U)
18. Mr. PK.Sarkar CGM I/c (Services)
19. Mr. DL Moitra, CGM (Env. Management)
20. Mr. A.Shankar CGM (Electrical)
21. Ms. Uma Katoch GM I/c (Env. Management)
22. Mr. RR.Thakur GM (Power System)
23. Mr. K. Praveen, GM (EMD)

CPRI

24. Dr. Thomas P, Additional Director

Annexure II

F.No. 22-3/2008-HSMD
Government of India
Ministry of Environment, Forest and Climate Change
(HSM Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi – 110003.

Dated: 9th December, 2022

OFFICE MEMORANDUM

Subject: Minutes of the Project Review Meeting of the GEF funded project “Environmentally Sound Management and Final Disposal of Polychlorinated Biphenyls in India”-reg.

The undersigned is directed to refer the Ministry’s Meeting Notice dated 10.11.2022 regarding the project review meeting of the GEF funded project “Environmentally Sound Management and Final Disposal of Polychlorinated Biphenyls in India”.

2. The project review meeting was convened in hybrid mode under the Chairmanship of Dr. Satyendra Kumar, Director, MoEF&CC on 15.11.2022 at 10:00 AM.

3. In this regard, it is to inform that the minutes of the project review meeting has been approved by the Competent Authority. A copy of the minutes of the meeting is hereby enclosed for information and necessary action.

Encl: As stated

N. Subrahmanyam
09/12/22
(N. Subrahmanyam)
Scientist D

To,

1. Dr. Rene Van Berkel, UNIDO Representative, UN House, 55 Lodhi Estate, New Delhi-110003.
2. The Chief Executing Officer, Steel Authority of India Limited Bhilai Steel Plant, Bhilai-490001, Chhattisgarh.
3. The Director, Central Power Research Institute, C.V.Raman Road, Sadashivanagar P.O.Bangalore-560080, Karnataka.

Copy to:-

1. PPS to AS(NPG)
2. SO (HSMD)

Minutes of the Project Review Meeting for GEF Funded Project titled 'Environmentally Sound Management and Final Disposal of Polychlorinated Biphenyls in India' held on 15.11.2022

The project review meeting of the GEF funded project titled 'Environmentally Sound Management and Final Disposal of Polychlorinated Biphenyls' was held on 15.11.2022 at 10:00 am through hybrid mode.

2. The meeting was chaired by **Dr. Satyendra Kumar, Director, HSM Division, MoEF&CC**. The list of participants is annexed.

3. The meeting was commenced with a brief round of introduction of the participants. The Chair welcomed all the participants and informed the participants that the agenda of the meeting is to review the progress of the PCB project and activities yet to be completed as per the current completion timeline i.e. 31.12.2022.

4. Further, MoEFCC requested UNIDO to give a brief on the physical and financial progress of the PCB and proposal on extension of project, if any for the consideration of the Project Steering Committee (PSC) meeting.

5. UNIDO informed that there has been good progress on the project since the last review meeting and all the necessary approvals/clearances have been obtained for both part A and B of the static facilities at BSP SAIL. However, there are still some technical issues to be resolved and it will necessitate the extension of the project.

6. It was further informed that the GEF grant for the project was USD 14.1 million out of which USD 13.1 million has been committed until 01.11.2022. There is approximately USD 1 million left for the project and it could be utilised to address the challenges which were associated with the commissioning of the plant. The disbursed amount is around 9.9 million USD since there is some payment still due on the commissioning of the static facilities.

7. UNIDO further explained that the current completion date of 31.12.2022 will not be enough for get everything operational and transferred. The technology and processes under the project are quite complex and technical challenges are being faced in completing the activities. UNIDO proposed the extension of 12 months for completing the commissioning the static facilities at BSP SAIL.

8. UNIDO further informed that there was some delay in the operation of the mobile facility (CPRI) during the COVID period. However, CPRI has work orders available for PCB de-chlorination which will bring the quantity close to the treatment target of 750

MT. It was highlighted that the equipment for static facilities was procured in 2018 and installed in 2019-20 and now been idle for 2-3 years and there are some issues with the warranty and services.

9. BSP SAIL made a presentation on the progress of the static facilities. It was informed that all work under BSP's scope has been completed. The preliminary acceptance certificate has been obtained, all the buildings and infrastructure work has been completed, all the major equipment have been erected and commissioned. The commissioning certificate has also been obtained. All statutory clearances (Building Permission, Air & Water Consents, HW Authorization, Factory License and Explosive License) have been obtained.

10. BSP SAIL further informed that they have sought help from UNIDO for maintaining equipment along with spares/ consumables supplied by UNIDO for minimum one year and for deploying of the technical experts in operation of PLASCON, sodium dispersion and laboratory functions. BSP SAIL also stated that they have deployed their own team for classroom and on the job training to operate the equipment. However, the team needs more hands-on training by technical experts.

11. Further, BSP SAIL presented the following status on the progress of the project:

Sn	Activity	Status as on 14/11/2022
1.	CTO from Part –A & B of the facility from CECB	CTO from Part-A & B of the facility from CECB issued on 19/01/2022
2.	Hazardous waste authorization from CECB	Hazardous waste authorization issued by CECB on 16.06.2022
3.	Explosive license from PESO for storage tanks	Explosive license obtained on 25.07.2022 from PESO
4.	All equipment under Part-A & B:(PLASMA,ITD System MEE, Tanks ,Utilities, Oil regenerative system, pumps, PLC system, Instrumentation , setting up the lab etc)	All equipment under Part A & B erected at site. Testing and commissioning of systems/equipment under Part B completed and under Part A are expected to be completed by 15.11.2022
5.	De-chlorination of Trials for Part B of the system	Commissioning of Part B completed on 24.09.2022
6.	Trails for MEE under Part A	Commissioning of MEE under Part A is done and presently under operation to

Sn	Activity	Status as on 14/11/2022
		dispose the high TDS aqueous effluent from Plasma operations
7	Deployment of foreign experts and hot trials for Part A i.e. PLASCON	Foreign experts have been deputed from 2.11.2022 and presently at site till 15.11.2022. Plasma system has been commissioned including training of BSP team. PG test run under progress at present destruction rate is 30 kg/hr as the PCB concentration in oil is only 20%
8	Achieving PG parameters & submission of reports to state authorities	Before 15.12.2022
9	Final handling over to SAIL/BSP All dates are subjected to trials results	On or before 25.12.2022

12. The Chair enquired about the quantity of PCB oils that is going to be treated after the commissioning of the plant for one year. BSP-SAIL replied that around 100-125 tonnes/annum of PCB oils can be treated in one year after commission. The Chair raised his concern about optimising the use of the static facility in treatment of the total amount of PCB oils in the country inventory. The Chair further enquired UNIDO about the reason for the sought extension of the project by 12 months and how the extension is going to help in further execution of the project.

13. UNIDO stated that the chemical processes for PCB treatment are advanced as well as complicated, and requires close technical support to BSP SAIL personnel till the operation of the equipment is stabilized.

14. With regard to mobile facility for de-chlorination of PCBs oil, the Chair informed that MoEFCC had received representation from CPRI requesting MoEFCC for facilitation with respect to the utilities that were not coming forward for de-chlorination of PCB oils. MoEFCC had written to Central Electricity Authority and Ministry of Power to instruct the state electricity board which possess PCBs/PCB containing equipment to carry out de-chlorination work with the help of mobile facility facilitated by CPRI. The Chair highlighted that the mobile facility should not remain idle to achieve the treatment target of PCB oils.

15. CPRI informed that around 388 MT of PCB oils has been de-chlorinated till date through the mobile facility. It was further informed that one of the main reasons for the delay is that sodium dispersion cannot be prepared during rainy season. CPRI further stated they have work orders for total quantity of 245.14 MT. The road map for future activities is given below:

Sn	Name of the project	Quantity to be treated, KL	Expected date
1.	M/s NPCIL Tarapur atomic power station, Maharashtra	167.6	10.12.2022-20.03.2023
2.	M/s Panki Thermal Power Station, UP	54.2	01.04.2023-10.05.2023
3.	M/s Gandhinagar Thermal Power Station, Gujarat	66.6	20.05.2023-30.06.2023
	Total quantity	288.4 KL (245.14 MT)	

16. CPRI stated that 633 tonnes of PCB will be de-chlorinated by 30.06.2023. CPRI is expected to receive work orders from M/s CTPS to de-chlorinate 136.272 MT of PCB oil and M/s KSEB for de-chlorination of 315.95 MT of PCB oil. It was further informed that M/s Gandhinagar Thermal Power Station has given the work order more than a year back but they have not committed to any dates and have not prepared the site to carry out the de-chlorination activity. CPRI requested MoEFCC's help regarding the matter.

17. UNIDO stated that the technical assistance and maintenance request from BSP SAIL is justified and the assistance will be provided to BSP personnel for operating and maintenance of PCB destruction plant. The de-chlorination target by the mobile facility is going to be completed approximately by June 2023. It was also informed there will be an internal discussion with the project management team at the UNIDO headquarters regarding the extension of the project. UNIDO stated that the reasons for extension will be communicated with both the project management team and GEF so that another year of extension is granted.

18. MoEFCC stated that the trial runs, stabilisation and testing of parameters of static facility at BSP SAIL will require some more time. With regard to the mobile facility, it was commissioned in 2018. Further, it was stressed that the development of financial guidelines, covering the treatment cost and methodology for taking up treatment of PCB, is necessary for the sustainability of the project. The guidelines may be shared with the MoEFCC and the Ministry of Power (MoP) for vetting. The

guidelines may also be made available on public domain by MoEFCC and MoP for power utilities/companies. MoEFCC stressed that there are gaps that need to be addressed before closing the project.

19. MoEFCC further stated that the information on the 10,000 MT tons of contaminated PCB oils (as per NIP) may be made available mapping them to the concerned owner or agency. MoP may then write to the concerned agencies to get their PCB contaminated oil treated in the treatment facility. MoEFCC further highlighted that the MoEFCC notification vide dated 06.04.2016 states that the use of PCBs in any form shall be completely prohibited by 31st December, 2025.

20. CPRI stated that despite work order given by M/s Gujarat Electricity Board/ Gandhinagar Thermal Power Station work has not started.

21. After detailed deliberations, following action points were decided:

- i. UNIDO to compile the work carried out during the present extension (Jan, 2022 till date) separately for BSP and CPRI, as against the milestones projected for seeking extension.
- ii. UNIDO, SAIL-BSP and CPRI to prepare the residual work along with milestones/roadmap for completion of the project.
- iii. UNIDO, SAIL-BSP and CPRI to submit the financial progress achieved during the extension period (Jan, 2022 till date) and till now in the format provided below:

Funds sanctioned from UNIDO/GEF	Executing Agency	Expenditure (During extension period/till date)	Balance fund	Remarks
Amount and sanctioned date/work order date...				Details of committed expenditure and beneficiary, if any.
Total				

- iv. UNIDO/CPRI/BSP to provide the plan for expenditure of balance funds along with timelines.
 - v. UNIDO and SAIL-BSP and to prepare revenue generating plan so that the infrastructure developed at BSP will sustain its operations for treatment of PCBs after project completion.
 - vi. CPRI to develop financial guidelines covering the treatment cost and methodology for taking up treatment of PCB and submit to MoEF&CC and MoP for vetting to put in public domain.
 - vii. CPRI to submit the list names of stakeholders which possess PCB oils, PCB containing equipment and PCB contaminated equipment.
 - viii. Extension of the project for 12 months from the current completion date of 31.12.2022 will be recommended to Project Steering Committee for consideration on receipt of the information from UNIDO, SAIL and CPRI.
22. The meeting ended with vote of thanks to the Chair.

List of Participants

MoEF&CC

1. Dr. Satyendra Kumar, Director, NPC, MoEFCC
2. Shri N. Subrahmanyam, Scientist D, MoEFCC
3. Ms. Shraddha Dhakhwa, Assistant Project coordinator, UNIDO
4. Ms. Preeti Dubey, Project Assistant, UNIDO

UNIDO

5. Dr. Rene Van Berkel, Regional Director & UNIDO Representative
6. Ms. Carmela Centeno, Project Manager, Head Office, Vienna
7. Dr. Y.P. Ramdev, National Technical Advisor
8. Dr. R. K. Agarwal, National Consultant (Static Facility)
9. Shri C. J. Naidu, National Consultant (Mobile Facility)

SAIL-BSP

10. Shri Anjani Kumar, Executive Director (Work)
11. Shri Asit Saha, CGM
12. Shri M K Rana, CGM
13. Shri DL Moitra, CGM (Env. Management)
14. Shri Ravindra Kumar, GM (PSD)
15. Shri Prakash, CGM (Electrical)
16. Shri Ravi Shankar, GM (INCOS)
17. Shri K.Praveen, GM (EMD)
18. Shri Joseph Joy, GM (Instrumentation)
19. Ms. Geetanjali Verma

CPRI

20. Dr. Thomas P, Additional Director