



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

**MOST URGENT
HON'BLE NGT MATTER**

CP-26/3/2021-WM-I-HO-CPCB-HO 5921

November 07, 2023

To

The Member Secretary
SPCBs/PCCs
(As per list)

Sub: Minutes of Ninth Review Meeting with SPCBs/PCC held on 27.10.2023 in compliance to the directions of Hon'ble NGT order dated 29.01.2021 in OA No. 804 of 2017 in the matter of Rajiv Narayan & Anr. Vs. Union of India & Ors; w.r.t Contaminated Sites – reg

Sir/Madam,

Central Pollution Control Board has conducted 9th review meeting with SPCBs/PCC on 27.10.2023 through VC in compliance to the directions of Hon'ble NGT in the matter of O.A. No. 804 of 2017. Minutes of meeting is enclosed herewith for further necessary action.

Yours faithfully,

(V. P. Yadav)

Director & Head,

Waste Management Division-I

Encl.: As above

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

List of SPCBs/PCC

1. The Member Secretary
Chhattisgarh Environment Conservation Board
Paryavas Bhawan, North Block Sector-19,
Naya Raipur (C.G.)- 490099
2. The Member Secretary
Delhi Pollution Control Committee
4th Floor, ISBT Building,
Kashmere Gate, Delhi-110006
3. The Member Secretary
Haryana Pollution Control Board
C-11, Sector-6 Panchkula, Chandigarh
Haryana-134109
4. The Member Secretary
Jharkhand State Pollution Control Board
T.A. Building, HEC, P.O. Dhurwa,
Ranchi-834 004
5. The Member Secretary
Karnataka State Pollution Control Board
Parisara Bhawan, 1st to 5th Floor,
49, Church Street, Bengaluru-560001
6. The Member Secretary
Maharashtra Pollution Control Board
Kalptaru Point, 3rd & 4th floor,
Opp. Cine Planet, Sion Circle,
Mumbai-400 022.
7. The Member Secretary
Madhya Pradesh Pollution Control Board
Paryavaran Parisar, Sector E-5,
Arera Colony, Bhopal – 462 016
8. The Member Secretary
Punjab Pollution Control Board
Vatavaran Bhawan, Nabha Road
Patiala – 147 001
9. The Member Secretary
Uttar Pradesh Pollution Control Board
Building No. TC-12V
Vibhuti Khand, Gomti Nagar, Lucknow – 226 010
10. The Member Secretary
West Bengal Pollution Control Board
Paribesh Bhawan, 10A, Block- LA,
Sector III, Salt Lake City, Kolkata – 700 106



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CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

**MOST URGENT
HON'BLE NGT MATTER**

CP-26/3/2021-WM-I-HO-CPCB-HO 5922

November 07, 2023

To

The Member Secretary
SPCBs/PCCs
(As per list)

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Yours faithfully,

(V. P. Yadav)

Director & Head,

Waste Management Division-I

Encl.: As above

Copy to,

1. Regional Directorates, CPCB : For information and with request to follow-up the matter
(As per list) with concern SPCBs/PCC, please

(V. P. Yadav)

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

List of Regional Directorates, CPCB:

1. The Regional Director
Regional Directorate - Lucknow
PICUP Bhawan, Vibhuti Khand, Gomti Nagar,
Lucknow - 226010
2. The Regional Director
Regional Directorate - Bengaluru
A-Block, Nisarga Bhavan, 1st and 2nd Floors,
7th D Cross, Thimmaiah Road, Shivanagar,
Bengaluru-560079
3. The Regional Director
Regional Directorate - Bhopal
3rd Floor, Sahkar Bhawan, North TT Nagar,
Bhopal-462003
4. The Regional Director
Regional Directorate – Kolkata
'South end Conclave' Block-502, 5th & 6th Floor,
1582, Razidanga, Main Road,
Kolkata-700107
5. The Regional Director
Central Pollution Control Board - Pune
ROW House No. 1, Sanjivani Nisarg,
Balewadi, Pune – 411045
6. The Regional Director
Central Pollution Control Board - Chandigarh
BSNL Telephone Exchange, 2nd Floor, Sector -49 C,
Chandigarh – 160047

List of SPCBs/PCC

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Vibhuti Khand, Gomti Nagar, Lucknow – 226 010
10. The Member Secretary
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Paribesh Bhawan, 10A, Block- LA,
Sector III, Salt Lake City, Kolkata – 700 106

Minutes of the Ninth Review Meeting with SPCBs/PCC for compliance to the directions of Hon'ble NGT (PB) order dated 29.01.2021 in OA No. 804 of 2017 in the matter of Rajiv Narayan & Anr. Vs. Union of India & Ors; w.r.t, Contaminated sites held on 27.10.2023

In compliance of Hon'ble NGT order dated 29.01.2021 in O.A. No. 804 of 2017 in the matter of Rajiv Narayan & Anr. Vs. Union of India & Ors., a review meeting with concerned SPCBs/PCC was held through VC on 27.10.2023 to discuss about the action plans and its implementations regarding assessment of contaminated/probable contaminated sites & its remediation. The meeting was chaired by Sh. V. P. Yadav, Director & Head, Waste Management Division-I, CPCB, Delhi. The meeting was attended by officials of SPCBs/PCC namely; Delhi, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Punjab, & Uttar Pradesh, and concerned RDs of CPCB & dealing officials of CPCB, HO. List of the participants is given at **Annexure-I**.

At the outset, Sh. V. P. Yadav, Director and Head, Waste Management Division-I, welcomed all the participants and briefed the agenda of the meeting. Thereafter, Sh. G. Rambabu, Scientist-D, CPCB, made the presentation on detailed action points to comply with various directions passed by Hon'ble NGT in aforesaid matters regarding identification, assessment and remediation of contaminated sites followed by status of on-going DPR preparations and execution of remediation works by the Responsible parties. Accordingly, State wise status was discussed, as given at **Annexure-II** and its deliberations is given as below:

1. **Chhattisgarh:** There are **05 sites in Chhattisgarh; wherein 03 sites identified as probable contaminated sites (PCS) and other 02 sites as contaminated sites (CS)**. It was observed that action taken report submitted vide its email/letter dated 20.10.2023, were examined and observations of CPCB is given at **Annexure-II**. Further, Chhattisgarh Environment Conservation Board (CECB) has requested CPCB for joint sampling.

CPCB suggestion: As per the observations made, joint visit of the contaminated sites followed by sampling of different matrices may be carried out jointly by CPCB, RD-Bhopal and CECB within a month and accordingly, submit an action taken report supported with the assessment study as per prescribed format given in CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.

2. **Delhi:** There are **15 sites in Delhi; wherein 5 sites identified as PCS and other 10 sites as CS**. During the meeting, it was informed that as per CPCB observation during 6th meeting held on 09.12.2022, DPCC was requested to submit its **action taken report of 15 sites within 2 months**. In this regard, DPCC informed that preliminary site assessment study of the said sites has been awarded to CSIR-NEERI and preparation of the reports is underway.



CPCB suggestion: As no reports have been submitted by DPCC till date, DPCC shall submit an action taken report supported with the site assessment study report contains analysis results and site visit photographs as per prescribed format given in CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites' **within 1 month** without any further delay.

3. **Haryana:** There are **14 sites in Haryana; wherein 10 sites identified as PCS and other 04 sites are as CS**. During meeting, it was observed that Haryana SPCB had not submitted action taken reports as per CPCB suggestion of 4th Review Meeting held on 04.05.2022. In this regard, Haryana SPCB has informed that report preparation is underway and will submit **within a month**.

CPCB suggestion: Haryana SPCB shall submit action taken report supported with fresh analysis results and site visit/sampling photographs as per CPCB reference document **within a month** without any further delay.

4. **Jharkhand:** There are **14 sites in Jharkhand; wherein 12 sites identified as PCS and other 02 sites are as CS**. In case of contaminated site at Roro hills, Jharkhand SPCB has informed that detailed project report (DPR) along with comprehensive remediation status will be submitted within 15 days. For remaining sites 13, Jharkhand SPCB will submit action taken reports.

CPCB suggestion: Jharkhand SPCB shall submit action taken report of 13 sites supported with fresh analysis results and site visit/sampling photographs **within 1 month** without any further delay. In case of contaminated site at Roro hills, Jharkhand SPCB shall detailed project report (DPR) along with progress of on-going remediation within 15 days. In this regard, concerned officer from CPCB-RD, Kolkata is requested to follow-up the matter with Jharkhand SPCB for early submission of action taken report.

5. **Karnataka:** There are **23 sites in Karnataka; wherein 13 sites identified as PCS and other 10 sites are as CS**. During the meeting, it was informed that as per CPCB observation during 6th meeting held on 09.12.2022, KSPCB was requested to submit its action taken report of 25 sites.

CPCB suggestion: KSPCB shall submit an action taken report supported with the assessment study under taken contains analysis results and site visit photographs as per CPCB reference Document **within 1 month** without any further delay. In this regard, concerned officer from CPCB-RD, Bengaluru is requested to follow-up the matter with Karnataka SPCB for early submission of action taken report.

6. **Madhya Pradesh:** There are **13 sites in MP; wherein 6 sites identified as PCS and other 7 sites are as CS.** During meeting, it was observed that MPPCB has not submitted action taken reports as per that as per CPCB observation of 6th meeting held on 09.12.2022. Further, it was submitted that MPPCB requested to follow-up or coordinate with State Govt. to initiate disposal of the hazardous waste stored at UCIL premises through TSDF at the earliest, as the matter is heard by Hon'ble NGT in OA No. 362 of 2021 and OA No. 804 of 2017. Further, it is observed that none of the representative was present during the said meeting.

CPCB suggestion: Revised status of action taken in this regard may be submitted to CPCB **within a month.** In this regard, concerned officer from CPCB-RD, Bhopal is requested to follow-up the matter with MPPCB for early submission of action taken report.

In case of contaminated sites at Ratlam, expedite assessment of waste quantity from the Plot 54-E for disposal through secured landfill. Since, no officer representing MPPCB attended the meeting, the Action taken reports of aforesaid sites will be reviewed and discussed in the forthcoming meeting.

7. **Maharashtra:** There are **06 contaminated sites in Maharashtra.** During meeting, it was observed that that MPCB has not submitted action taken reports as per that as per CPCB observation of 4th review meeting held on 04.05.2022. In this regard, it was informed that site assessment work was awarded to CSIR-NEERI, Nagpur for 05 sites has been completed and preparation of final reports are underway.

CPCB suggestion: Maharashtra PCB shall submit final investigation reports of contaminated sites **within a month.** Further for 01 CS, where remediation of groundwater is underway by applying Bioremediation technique since September, 2017, MPCB may submit quarterly progress report to CPCB.

8. **Punjab:** There are **09 contaminated sites in Punjab.** During meeting, it was observed that PPCB has not submitted action taken reports as per that as per CPCB observation of 5th meeting held on 13.10.2022. However, PPCB informed that preparation of action taken reports are underway and submit within a month.

CPCB suggestion: Punjab PCB shall submit the aforesaid action taken reports as per CPCB recommendations **within a month** without any further delay.

9. **Uttar Pradesh:** There are **35 sites in UP; wherein 11 sites identified as PCS and other 24 sites are as CS.** UPPCB has informed the following:

- i. In case of 02 chromium contaminated sites at Rania, Kanpur Dehat, UPPCB has informed that the matter is heard by Hon'ble NGT (PB) in OA Nos. 200 of 2014 and

985 & 986 of 2019 and HW has been lifted & disposed of through TSDF. Proposal for soil remediation followed by GW profiling and remediation is underway.

CPCB suggestion: As the case is heard by Hon'ble NGT (PB) in OA Nos. 200 of 2014 and 985 & 986 of 2019; UPPCB may follow-up to expedite in execution of remediation works as per DPR in time bound manner.

- ii. In case of remediation of 05 pesticide contaminated sites at IPL-Deva Road, Lucknow, UPPCB informed that for further study of the said sites task was assigned to CSIR-IITR, Lucknow, to ascertain the extent of contamination in soil/groundwater/surface water/sediment. In this regard, joint visit followed by pre-monsoon groundwater sampling was carried out during 19th -20th June'23.

CPCB suggestion: To ascertain the level of contamination, Post monsoon sampling of different matrices will be carried out jointly by CPCB (HO & RD, Lucknow) and UPPCB within a month.

- iii. For remaining sites, UPPCB has not submitted any action taken report as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'. In this regard, UPPCB informed that site assessment work has been completed and preparation of reports are underway.

CPCB suggestion: UPPCB shall submit the aforesaid action taken reports as per CPCB recommendations **within a month** without any further delay. Upon receipt of aforesaid reports, CPCB will review the same and communicate the observation for further course of action to be initiated by UPPCB.

10. **West Bengal:** There are **07 sites in WB; wherein, 06 sites are identified as PCS and 01 site is as CS**. In case of one chromium contaminated site at Nibra, for which DPR was prepared under NCEF project, it is observed that no action has been taken for execution of remediation works. In this regard, it is to inform that state-share for preparation of DPR is still awaited. Further, it is observed that none of the representative was present during the said meeting.

CPCB suggestion: WBPCB should initiate remediation work at the earliest as per the DPR prepared under NCEF project without any further delay. Further, State share for preparation of DPR may be arranged to CPCB at the earliest so as to enable in release of pending payment to Consultant.

Moreover, WBPCB shall submit action taken report for remaining 06 PCSs, supported with analysis results and site visit/sampling photographs **within a month** without any

further delay. In this regard, CPCB-RD, Kolkata is requested to follow-up the matter with WBPCB.

Recommendations/Action Points:

1. SPCBs/PCCs need **to update regularly 'Inventory of contaminated sites'** and may furnish **the updated data to CPCB** for maintaining a national list in public domain.
2. SPCBs/PCCs should initiate preliminary investigation of probable contaminated sites followed by detailed investigation and remediation works, if required. And Action taken reports will be submitted by concern SPCBs/PCC within one month.
3. SPCBs/PCC may initiate **immediate remedial actions for priority contaminated sites and wherein DPRs prepared for remediation of contaminated sites under National Clean Energy Fund (NCEF) project.**
4. SPCB/PCC may take the matter to State Govt States to take responsibility for high risk "Orphan Sites", where there is historic dumping & for which DPRs have already been prepared under NCEF project, and the polluter could not be identified or polluter is not in a position to pay for remediation costs.
5. SPCBs/PCCs shall monitor, wherein Remediation work is undertaken by Responsible Party (ies) and wherein DPRs prepared under NCEF project, SPCBS/PCC shall submit **progress/status report bi-monthly.**
6. As per the directions of NGT, SPCBs/PCC shall ensure that the hazardous waste accumulated/lying at sites shall be disposed of either through TSDF or SLF on priority to stop further contamination.
7. **All SPCBs/PCC are required to constitute State Level Environmental Monitoring Committee (SLEMC)** having representatives from Dept. of Environment, Industries Dept., SPCB, CGWA/SGWA, relevant Experts, etc., for effective implementation of remediation plans and communicate the SLEMC constitution to CPCB **within 2 weeks.**

Meeting ended with thanks to chair



List of officials participated (through VC)

CPCB Officials (HO)

1. Sh. V. P. Yadav, Director & Head, WMD-I, Delhi
2. Sh. G. Rambabu, Scientist-D, WM-I, CPCB, Delhi
3. Dr. Gargi Biswas, RA-III, WM-I, CPCB, Delhi

CPCB Officials (RDs)

4. Sh. P. Jagan, Regional Director, CPCB-RD, Bhopal
5. Sh. J. Chandra Babu, Regional Director, CPCB-RD, Bengaluru
6. Dr. D. K. Soni, Regional Director, CPCB-RD, Lucknow
7. Sh. Nishchal C, Scientist-D, CPCB-RD, Pune
8. Sh. Sandeep Roy, Scientist-D, CPCB-RD, Kolkata

SPCB/PCC Officials

9. Sh. Nandkumar Gurav, Regional Officer, HQ, Maharashtra PCB
10. Sh. Rakesh Kumar, SEE, Punjab PCB
11. Sh. Rajendar Singh, CEO, UPPCB
12. Sh. Mahesh T, Chief Engineer, Karnataka PCB
13. Sh. Naveen Gulia, SEE, Haryana PCB
14. Dr. Anita Sawant, SEE, CECB
15. Sh. Kr. Mani Bhushan, CEE, Jharkhand PCB
16. Sh. Amritanshu Srivastava, JEE, DPCC

RD-wise list of Contaminated/Probable Contaminated Sites and actions initiated by SPCBs/PCC								
S. No.	CPCB-RD	States/UT	Updated status as on 13.07.2023			Remedi ation Work (Under way)	DPR completed & Remediation required	DPR preparation underway
			Total Sites	Probable Contaminated Sites (PCS)	Contaminat ed Sites (CS)			
1.	RD-Bhopal	Chhattisgarh	5	3	2			
2.	RD-Chandigarh	Delhi (NCR)	15	5	10			
3.	RD-Chandigarh	Haryana	14	10	4			
4.	RD-Kolkata	Jharkhand	14	12	2	1		
5.	RD-Bengaluru	Karnataka	23	13	10			
6.	RD-Bhopal	Madhya Pradesh	13	6	7			3
7.	RD-Pune	Maharashtra	6	0	6	1		
8.	RD-Chandigarh	Punjab	9	0	9			
9.	RD-Lucknow	Uttar Pradesh	35	11	24	3	6	
10.	RD-Kolkata	West Bengal	7	6	1		1	

Chhattisgarh

Chhattisgarh Environment Conservation Board (CECB) had submitted action taken reports vide its email/letter dated 20.10.2023 for following 05 probable/contaminated sites in Chhattisgarh. Accordingly, the reports were examined and made the following observations and suggestions is as below:

S. No.	Name of the Site	CS/ PCS	Action taken by Chhattisgarh ECB	Observations/ Suggestions by CPCB
1.	Bhilai steel plant, Chhattisgarh	CS	CECB has inspected the site followed by sampling of soil and GW samples and observed that: <ul style="list-style-type: none"> i. The said location is at slag and steel scrap dump area of new open hearth furnace of Bhilai plant. Processing of slag is underway. ii. At present, Acid tar sludge producing unit is closed. iii. Photographs are attached. iv. Dense tree plantation has been done at the site. v. Soil and GW samples collected from the site. vi. Analysis result of 1 soil sample reveals contamination with zinc w.r.t., soil screening level of industrial land use. vii. Analysis result of GW sample reveal contamination with Lead and Fluoride. 	<p>It is observed that soil is contaminated with Zinc and GW is contaminated with Lead & Fluoride.</p> <p>Hence, CECB may carry out detailed site investigation including more number of Soil and GW sampling and submit report comprises site visit color photographs and analysis result of general parameters and heavy metals.</p> <p>Processing of slag and steel scrap</p>
2.	BALCO, Korba	CS	CECB has inspected the site followed by sampling of GW and soil. Analysis result of GW samples with limited parameters (Cyanide) reveals no contamination.	CECB may carry out soil and GW sampling from same location and submit report along with analysis result of general parameters and heavy metals.
3	Muckdum Side Bhilai-3 Bhilai steel plant- 491000	PCS	CECB has inspected the site followed by sampling of GW sample from one bore-well. Analysis result of GW sample reveal contamination with Lead.	<p>It is observed that GW is contaminated with Lead and no soil sampling has been done.</p> <p>Hence, CECB may carry out detailed site investigation including more number of Soil and GW sampling and submit report comprises site visit color photographs and analysis result</p>

S. No.	Name of the Site	CS/ PCS	Action taken by Chhattisgarh ECB	Observations/ Suggestions by CPCB
				of general parameters and heavy metals.
4	Nandini-Khundani Abandoned Mines, Bhilai, Distt.-Durg; (Near M/s Vishnu Chemicals, Industrial Area, Bhilai-491001)	PCS	CECB has inspected the site followed by sampling of soil and GW samples. At the said location, secured landfill had been developed. Disposal of leach mud had been carried out on the SLF from April, 2003 to April 2008. Thereafter closure of SLF has been carried out. Presently the SLF is closed. Soil and GW samples collected from the site. Analysis result of soil sample reveals no contamination. Analysis result of GW sample reveal contamination with Zinc.	It is observed that GW is contaminated with Zinc . Hence, CECB may carry out pre & post-monsoon GW sampling for 02 years and submit report comprises analysis result of general parameters and heavy metals.
5.	Lal Ghat Risdi Area, near M/s Balco Korba-495677	PCS	CECB has inspected the site followed by sampling of GW and soil. Analysis result of GW samples with limited parameters (Cyanide) reveals no contamination.	CECB may carry out soil and GW sampling from same location and submit report along with analysis result of general parameters and heavy metals.

Delhi

There are 15 sites in Delhi; wherein 5 sites identified as PCS and other 10 sites as CS. In this regard, observations of the following CS/PCS are given below:

S. No.	Name of the Site	CS/PCS	Action taken/initiated by DPCC	Observations/Recommendation of CPCB
1.	Gazipur landfill-site, Gazipur, Delhi	CS	DPCC submitted that based on visual verification the said site is for solid waste disposal and legacy waste is being treated. However, no sampling of soil/GW is carried out.	DPCC & CSIR-NEERI is requested to submit study report of waste/leachate/soil samples along with nearby GW samples.
2.	Road side & in front of C-58/1, Essco Sanitations, National Capital Territory (Delhi) Wajirpur Industrial Area	CS	DPCC submitted that based on visual verification, site is along with railway track and industrial activities like metal finishing, etc. Sampling of soil had carried out. Soil is found contaminated with As, Cr, Cu, Ni, Mo, V & Zn	Based on visual verification, site is along with railway track. Behind the plot, small scale industrial clusters such as mechanical work-shops, electrical units, metal finishing, etc., are observed. Mixed type waste and fly-ash dumping is observed. Earlier, few soil sampling was carried out at different location and analysis result reveals that soil is contaminated with heavy metal. Further, DPCC shall carry out detailed site investigation along with GW sampling from 5-6 locations and submit study report to CPCB.
3.	Mundika Delhi-110041	PCS	DPCC submitted that based on visual verification, site is over burdened with plastic recycling waste along with storage of plastic bags. However, no sampling of soil/GW is carried out.	Based on visual verification, site is an open dumping plot. In front of the plot, small scale industrial clusters such as plastic shredding, rubber cutting, etc., are observed. Mixed type waste along with C&D dumping is observed. Earlier, no sampling was carried out Hence, DPCC shall carry out soil samples as per grid along with GW sampling from 2-3 locations and submit preliminary study report to CPCB.
4.	Yamuna River at ITO, New Delhi-110044	PCS	DPCC submitted that based on visual verification, site is cleaned. However, no sampling of soil/GW is carried out.	Based on visual verification, it is Yamuna river bank. Dumping of hazardous waste is not observed at the bank. DPCC shall collect sediment samples from 5-6 locations along the river

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by DPCC	Observations/Recommendation of CPCB
				bank and surface water sample and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
5.	Road side and in front of A-5, Lawrence road industrial area, New Delhi-110032	CS	DPCC submitted that based on visual verification, site is an open park surrounded by industrial and other settlement along with MSW dumping. However, no sampling of soil/GW is carried out.	Based on visual verification, it is an open plot. During inspection, mixed type solid waste-dumping is observed at the site. At opposite side of the plot, flour mill is situated. DPCC shall collect soil samples from 5-6 locations at different depth of 0.5-1m and 3-4 GW samples and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
6.	Road side & in front of Sulabh Complex, Near Police Chowki, Wajirpur Industrial Area-New Delhi-110052	CS	DPCC submitted that based on visual verification, site is along with railway track and industrial activities like metal finishing, etc. Sampling of soil had carried out and analysis result revealed that soil is contaminated with As, Cr, Cu, Ni, & Se.	Based on visual verification, site is at MCD-official plot. At one-side the plot, power station and small temples are observed and at the other side, small scale industrial units are situated. During inspection, mixed type solid waste-dumping is observed at opposite of the site. DPCC shall carry out GW sampling from 3-4 locations and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
7.	Najafgarh drain, Kakrola, New Delhi-110078	PCS	No report was submitted by DPCC till date.	Based on visual verification, site is a commercial drain. Dumping of hazardous waste is not observed at the bank of the drain. DPCC shall collect sediment samples from 5-6 locations along the drain and surface water sample and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
8.	Open Land adjacent to Ajit Printers B-58	CS	DPCC submitted that based on visual verification, site is	Based on visual verification, site is DDA land at residential area.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by DPCC	Observations/Recommendation of CPCB
	Damodar Park, Dilshad Garden Industrial Area, New Delhi-110052		DDA land and MSW dumping was observed. However, no samplings of soil/GW is carried out.	Dumping of MSW was observed. However, site was not accessible. Therefore, DPCC shall carry out GW sampling from 1-2 locations in and around the site and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
9.	Open land in front of 77, SSI Industrial Area, New Delhi-110033	CS	DPCC submitted that based on visual verification, site is along with railway track and industrial activities like metal finishing, etc. Sampling of soil had carried out and analysis result revealed that soil is contaminated with As, Cr, Cu, & Ni.	Based on visual verification, site is at private plot. At one-side the plot, new boundary wall is constructed and at the other side, small scale industrial units are situated. During inspection, mixed type solid waste-dumping is observed at the site. DPCC shall carry out detailed study along with GW sampling from 3-4 locations and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
10.	Open land which is on back side of Anuradha Petrol Pump and near to C-32, Rajdhani roller flour mill, Lawrence road industrial area, New Delhi-110035	CS	DPCC submitted that based on visual verification, site is along with railway track. However, no samplings of soil/GW is carried out.	Based on visual verification, site is along with railway track. Behind the plot, small scale industrial clusters such as mechanical work-shops, electrical units, metal finishing, etc., are observed. Mixed type waste and fly-ash dumping is observed. DPCC shall carry out few more soil samples along with GW sampling from 3-4 locations and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
11.	Open land adjoining to plot no. 36 A and 34 A, Rajasthan Udyog Nagar Industrial Area-New Delhi-110033	PCS	DPCC submitted that based on visual verification, C&D waste material & weed vegetation were observed at the site. However, no samplings of soil/GW is carried out.	Based on visual verification, site is DDA land at residential area. Dumping of MSW was observed. However, site was not accessible. Therefore, DPCC shall carry out GW sampling from 1-2 locations in and around the site and submit study report as per CPCB format along with

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by DPCC	Observations/Recommendation of CPCB
				analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
12.	Nimri Village, Shastri Nagar industrial area, New Delhi-110031	PCS	Report is awaited from DPCC.	Based on visual verification, site is a commercial plot with small scale industrial clusters. DPCC shall carry out GW sampling from 3-4 locations at nearby colony and submit study report as per CPCB format along with analysis reports of chemicals of concern (CoCs) with general parameters & heavy metals.
13.	Bhalsawa Landfill, New Delhi-110033	CS	DPCC submitted that based on visual verification the said site is for solid waste disposal and legacy waste is being treated. However, no sampling of soil/GW is carried out.	DPCC & CSIR-NEERI is requested to submit study report of waste/leachate/soil samples along with nearby GW samples.
14.	Between the Railway line and in front of 17 Gali No. 3, Anand Parbat Industrial Area-New Delhi - 110005	CS	DPCC submitted that based on visual verification, site is along with railway track and industrial activities like metal finishing, etc. Sampling of soil had carried out and analysis result revealed that it is contaminated with As, Cr, Cu, Ni & Zn	Based on visual verification, site is along with railway track. Behind the plot, small scale industrial clusters such as mechanical work-shops, electrical units, metal finishing, etc., are observed. Mixed type waste and fly-ash dumping is observed. Earlier, few soil sampling was carried out at different locations. Analysis result reveals that soil is contaminated with As, Cr, Cu, Ni, & Zn, w.r.t., screening level for industrial land-use. Further, DPCC shall carry out detailed site investigation along with GW sampling from 5-6 locations and submit study report to CPCB.
15.	Railway Land near 18/32, Gali No.5, Anand Parbat Industrial Area-New Delhi-110005	CS	DPCC submitted that based on visual verification, site is along with railway track and industrial activities like metal finishing, etc. Sampling of soil had carried out.	Based on visual verification, site is along with railway track. Behind the plot, clusters of small scale units, such as: scrapping, assembling of mechanical parts, electrical units, etc., are observed. Mixed type waste and fly-ash dumping is observed during inspection.

S. No.	Name of the Site	CS/PCS	Action taken/initiated by DPCC	Observations/Recommendation of CPCB
			Soil is found contaminated with As, Cr, Cu, Ni, Sb & Zn	<p>Earlier, few soil sampling was carried out at different locations. Analysis result reveals that soil is contaminated with As, Cr, Cu, Ni, Sb & Zn, w.r.t., screening level for industrial land-use.</p> <p>Further, DPCC shall carry out detailed site investigation along with GW sampling from 5-6 locations and submit study report to CPCB.</p>

Haryana

Haryana Pollution Control Board (HPCB) has submitted action taken report vide its email/letter dated 07.12.2021 and the reports were examined and made the following observations and suggestions is as below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
1.	Prem Colony, Kundli Sonapat	CS	Inspection was carried out by Haryana SPCB followed by GW and soil sampling. i) Analysis result of GW reveals that TDS, chloride & fluoride concentration is higher than prescribed limit of BIS drinking water standard. ii) Analysis result of soil samples reveals no contamination.	Haryana PCB may carry out preliminary investigation of the site based on "Reference document" and submit the report to CPCB.
2.	Pace City-II, Sector 37, Gurgaon Haryana	CS	Inspection was carried out by Haryana SPCB followed by GW, SW and soil sampling. Analysis results of SW, Soil and GW reveals no contamination.	It is observed that sediment sampling is not carried out. Therefore, Haryana SPCB may carry out sediment sampling (at the location of SW sampling) and submit analysis result of CoCs, other heavy metals and general parameters.
3	Sectors 25 & 29, Dyeing Industry, Panipat, Haryana	CS	Inspection was carried out by Haryana SPCB followed by GW, SW and soil sampling. i) Analysis result of GW reveals that concentration of TDS & Chloride is higher than prescribed limit of BIS drinking water standard. ii) Soil and SW samples reveal no contamination.	It is observed that sediment sampling is not carried out. Therefore, Haryana SPCB may carry out sediment sampling and submit analysis results of CoCs, other heavy metals and general parameters. Haryana SPCB may also carry out few more GW samples to ascertain GW quality and submit the report.
4	Palla Village, Faridabad district, Haryana-121003	PCS	Site was inspected by Haryana SPCB and submitted that the said site is located at residential area and no dumping of hazardous waste is observed.	Haryana PCB may carry out few samples of soil/ GW in and around the residential area and submit photographs and analysis result of CoCs with general parameters & heavy metals.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
5.	Autopin Colony Sector-22 , Faridabad-121002	PCS	i) Inspection was carried out by Haryana SPCB followed by GW and soil sampling. ii) It is submitted that no dumping of hazardous waste observed at the site and also no SW body is observed around the site. iii) Analysis result of GW samples reveal that concentration of Chloride & TDS is found higher than prescribed limit of BIS drinking water standard. However, no contamination is reported in soil samples.	Haryana SPCB may carry out few-more GW samples to ascertain the quality of GW and report of the same may be furnished to CPCB.
6.	Bajghera Village, Palam Vihar, Gurgaon, Haryana-122017	PCS	i) Inspection was carried out by Haryana SPCB followed by GW, SW and soil sampling. ii) It is submitted that the said site is located at residential area and no dumping of hazardous waste is observed. iii) Analysis result of SW samples reveal color . iv) No contamination is reported in soil and GW samples.	Haryana PCB may carry out few more samples of SW along with sediments samples and submit analysis results of chemicals of concern (CoCs), general parameters and heavy metals along with Photographs.
7.	Bandhwadi, landfill Site, Gurgaon-122001	PCS	i) Inspection was carried out by Haryana SPCB followed by GW and soil sampling. ii) It is submitted that the said site is located at residential area and no dumping of hazardous waste is observed. iii) Analysis result of GW samples reveals that concentration of Chloride & TDS is	Haryana PCB may carry out few more samples of GW along with SW and sediments samples, submit analysis results of chemicals of concern (CoCs), general parameters and heavy metals along with Photographs.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
			<p>reported higher than prescribed limit of BIS drinking water standard.</p> <p>iv) No contamination is reported in soil samples.</p>	
8.	Agra Canal - Near Sector 25, Faridabad, Haryana-121004	PCS	<p>i) Inspection was carried out by Haryana SPCB followed by GW and soil sampling.</p> <p>ii) Analysis result of GW samples collected, reveals that concentration of Chloride & TDS is found higher than standard limit.</p> <p>iii) No contamination is reported in soil samples.</p>	As it is a canal, Haryana PCB may carry out SW & sediment sampling, and submit analysis results of CoCs with general parameters & heavy metals. Further, few more GW samples may be collected to ascertain the GW quality.
9.	Manakpura Industrial Estate Jagadhri to Yamuna River, Yamunanagar District-135001	PCS	Inspection was carried out by Haryana SPCB followed by soil sampling. Analysis result of soil samples reveal that no contamination.	Haryana PCB may carry out GW/ SW/ sediment samples and submit report along with analysis results of CoCs, general parameters & heavy metals and photographs.
10.	Open Space in front of 360E PACE City -2, Sector 37- B Gurgaon-122002	CS	<p>i) Inspection was carried out by Haryana SPCB followed by sampling of GW, SW and soil.</p> <p>ii) Analysis result of SW samples reveal that the concentration of Chromium, colour and O&G is higher than prescribed inland-surface water standard.</p> <p>iii) Analysis result of soil and GW samples reveal that no contamination.</p>	It is observed that sediment sampling is not done. Haryana SPCB may carry out preliminary investigation of the site and submit the report to CPCB at the earliest.
11.	Near Gayatri Automation, PACE City -2, Sector 37 Gurgaon-122002	PCS	Site was inspected by Haryana SPCB and submitted that the said site is located at residential area and no dumping of hazardous waste is observed.	It is observed that sampling of soil/ GW/ SW/sediment is not done. Therefore, Haryana SPCB may carry out sampling of soil/ GW/ SW/ sediment around the residential area and submit report along with analysis

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
				results of chemicals of concern (CoCs), general parameters & heavy metals and photographs.
12.	Pinjore-Baddi Highway from Village Kona to Maranwala, Panchkula - 134102	PCS	Inspection was carried out by Haryana SPCB followed by SW and soil sampling. During inspection, MSW dumps as well as scrap dealer activities were observed.	It is observed that analysis result of GW and soil sample is not submitted. Therefore, Haryana PCB may submit analysis result of CoCs with general parameters and heavy metals of GW samples collected. If analysis report exceeds standards/ levels, detailed site investigation may be carried out.
13.	Nalla Near Sector 22, Faridabad, Haryana-121002	PCS	<ul style="list-style-type: none"> i) Inspection was carried out by Haryana SPCB followed by GW and soil sampling. ii) It is submitted that the said site is located at residential area and no dumping of hazardous waste is observed. iii) Analysis result of GW samples reveals that concentration of Chloride & TDS is reported higher than prescribed standard. iv) Analysis result of soil samples reveals that no contamination. 	As it is drain (Nalla), Haryana PCB may carry out SW and sediment sampling around the residential area and submit inspection report along with analysis results of CoCs with general parameters & heavy metals and photographs. Further, few more GW samples may be collected to ascertain the GW quality.
14.	Bhindwas Bird Sanctuary, Jhajjar, Haryana-124507	PCS	<ul style="list-style-type: none"> i) As per earlier report submitted by Haryana SPCB. ii) Analysis result of SW samples reveals no contamination except coliform counts. iii) Analysis result of sediment samples reveals no contamination. 	Haryana PCB may carry out GW and soil sampling around the premises and submit report along with analysis results of CoCs with general parameters & heavy metals and photographs

Jharkhand

Jharkhand PCB has communicated action taken reports for following 14 probable/contaminated sites vide its letter dated 02.12.2021 as per CPCB format. Accordingly, the reports were examined and following observations and suggestions are made as below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB
1.	Roro hills, Jharkhand - 833201	CS	i. Detailed investigation report, prepared by DFO on "Rehabilitation of Roro abandoned asbestos mines" along with remediation status as per direction of Hon'ble NGT is submitted. ii. In was informed that, remedial action is taken by Dept. of Mining, Jharkhand.	Jharkhand PCB may monitor progress or remediation works, and status report may be updated from time to time at website and submit to CPCB.
2	Manikui-Chandil Swarnarekha River Polluted Site, Seraikella-Kharswan, Jharkhand	CS	i. Jharkhand PCB has inspected the site followed by sampling of surface water. ii. Analysis result reveals no contamination.	Jharkhand PCB may carry out sampling of soil/ sediment/ GW and submit analysis results of CoCs with general parameters and heavy metals.
3	Shib Ghat Jugsalai Kharkai River Contaminated Site, Jamshedpur, Jharkhand- 831001	PCS		
4	Ratanpur Raghunathpur Kanki, Seraikella-Kharswan, Jharkhand- 832401	PCS		
5.	Chasnala - Damodar River Polluted Site Dhanbad Jharkhand- 826001	PCS	i. Jharkhand PCB has inspected the site followed by sampling of surface water and sediment. ii. Analysis result reveals no contamination.	Jharkhand PCB has not carried out sediment sampling. Therefore, Jharkhand PCB may carry out sediment sampling and submit analysis results of CoCs with general parameters and heavy metals.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB
6.	Domohani Kharkai River Jamshedpur, Jharkhand-831001	PCS	i. Jharkhand PCB has inspected the site followed by sampling of surface water. ii. Analysis result reveals no contamination.	Jharkhand PCB may carry out sampling of soil/ sediment/ GW and submit analysis results of CoCs with general parameters and heavy metals.
7.	Lupungdih Subarnarekha River Polluted Site, East Singhbhum Jharkhand-831001	PCS	As per earlier report, it was submitted that assessment work is awarded to M/s SGS India Pvt. Ltd. Analysis results are awaited.	Jharkhand PCB may submit analysis results of CoCs with general parameters and heavy metals of collected soil/ sediment/ GW/ SW samples.
8.	Sindri - Damodar Polluted Site Dhanbad-826001	PCS	i. Jharkhand PCB has inspected the site followed by sampling of surface water and sediment. ii. Analysis result reveals no contamination.	Jharkhand PCB has not carried out sediment sampling. Therefore, Jharkhand PCB may carry out sediment sampling and submit analysis results of CoCs with general parameters and heavy metals.
9.	Kandra Polluted Site, Seraikella-Kharswan, Jharkhand-831001	PCS	i. Jharkhand PCB has inspected the site followed by sampling of surface water and sediment. ii. Analysis result reveals no contamination.	Jharkhand PCB may submit analysis results of CoCs with general parameters and heavy metals of collected soil and GW samples.
10.	Ghatshila, Subarnarekha River, East Singhbhum, Jharkhand-831001	PCS	Jharkhand PCB has inspected the site followed by sampling of groundwater. However, analysis result is not submitted.	Jharkhand PCB may carry out sampling of soil/SW/ GW/ sediment/ waste and submit analysis results of CoCs with general parameters & heavy metals along with site visit Photographs.
11.	Pataratu Thermal Power Plant, Jharkhand Electricity Board, Paratu Village Near Ranchi-834002	PCS	As per previous report, site was inspected Jharkhand PCB and submitted that the said power plant is undertaken by M/s Pataratu Vidyut Utpadan Nigam, which is under construction. However, sampling was not done.	Jharkhand PCB may carry out sampling of soil/SW/ GW/ sediment/ waste and submit analysis results of CoCs with general parameters & heavy metals along with site visit Photographs.
12.	Chandrapura Thermal Power Station DVC Bokaro Jharkhand - 827001	PCS	i. Site was inspected by Jharkhand PCB followed by SW and sediment sampling. ii. It is also submitted that power-plant ash pond is near to the location and seepage flow from	Jharkhand PCB may submit analysis results of CoCs with general parameters and heavy metals of collected soil and GW samples.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB
			<p>this pond to river may be occurred.</p> <p>iii. Analysis result of SW and sediment reveals no contamination.</p>	
13.	Adityapur Ind. Area, Near Jamshedpur, Behind Pepsi Factory, Ranchi-834002	PCS	<p>i. Site was inspected by Jharkhand PCB followed by SW and GW sampling.</p> <p>ii. It is also submitted that factory of M/s PepsiCo is situated at the immediate of the site.</p> <p>iii. Analysis result of SW reveals no contamination.</p> <p>iv. Analysis result of groundwater reveal about contamination with TDS, Lead & Chloride.</p>	Jharkhand PCB may carry out detailed site investigation and submit report to CPCB.
14.	Sonari Chatt Ghat Subarnarekha River Polluted, Jamshedpur, Jharkhand-831001	PCS	As per earlier report, it was submitted that assessment work is awarded to M/s SGS India Pvt. Ltd. Analysis results are awaited.	Jharkhand PCB may submit analysis results of CoCs with general parameters and heavy metals of collected soil/ sediment/ GW/ SW samples.

Karnataka

Karnataka PCB has communicated vide its letters dated 17.10.2022 regarding action taken for probable/contaminated sites identified in Karnataka; Accordingly, the reports were examined. There are 23 sites in Karnataka; wherein, 13 sites identified as PCS and other 10 sites are as CS. In this regard, following observations and suggestions are made as below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Karnataka PCB	Observations/ Suggestions by CPCB
1.	Goripalya near Mysore Road, Bangalore, Karnataka. E-waste recycling in Bangalore, Karnataka	CS	Karnataka PCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> - Sampling of Soil and GW was carried out and analyzed for CoCs only; - Soil sample (01) revealed contamination with Copper and Chromium (total), w.r.t., soil screening level for industrial land use; - GW samples revealed contamination with Lead and Chromium (total); 	Karnataka PCB may carry out detailed site investigation based on the guidance document/ reference document on 'Identification, Inspection and Assessment of Contaminated Sites' , as soil and groundwater samples revealed contamination with heavy metal. Timeline: 2 months.
2.	Cauvery River, downstream Nanjangud, Mysore District, Karnataka	CS	<ul style="list-style-type: none"> - Karnataka PCB had carried out site inspection. - Sampling of SW was carried out and analyzed for CoCs only; analysis result revealed contamination with Lead, w.r.t., EPA standard for discharge into inland surface water; - Sediment samples were not carried out; 	Karnataka PCB requested to carry out sediment & SW (river water) sampling from 3-4 locations to ascertain the extent of contamination and submit report to CPCB as per CPCB format within 2 months.
3.	Peenya Industrial area, Bangalore, Karnataka	CS	Karnataka PCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> - Sampling of Soil and GW was carried out and analyzed for CoCs only; - Soil samples revealed contamination with Lead and Chromium (total), w.r.t., soil screening level for industrial land use; - GW samples revealed contamination with Lead, Copper, Magnesium and Chromium (total); 	Karnataka PCB may carry out detailed site investigation based on the guidance document/ reference document on 'Identification, Inspection and Assessment of Contaminated Sites' , as soil and groundwater samples revealed contamination with heavy metal. Timeline: 2 months.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Karnataka PCB	Observations/ Suggestions by CPCB
4.	Mavallipura Dumpsite, Yelahanka, Bangalore	CS	Karnataka PCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> - Sampling of Soil was carried out and analyzed for CoCs only; no contamination is revealed. - Sampling of SW was carried out and analyzed for CoCs; analysis result revealed no contamination. 	Karnataka PCB requested to carry out Soil & GW sampling from 3-4 locations to ascertain the extent of contamination and submit report to CPCB as per CPCB format within 1 month.
5.	Lalbagh Lake, Bangalore, Karnataka-560004	PCS	Karnataka PCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> - Sampling of Soil and SW was carried out and analyzed for CoCs only; - Soil sample (01) revealed no contamination with lead w.r.t., soil screening level for industrial land use; - SW samples revealed contamination with Lead, w.r.t., EPA standard for discharge into inland surface water; - Sediment samples were not carried out; 	Karnataka PCB shall carry out 4-5 nos sampling of sediment & SW and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document; Timelines: 2 months
6.	Madiwala Lake, BTM 2nd Stage, Bangalore, Karnataka-560076	PCS	Karnataka PCB had carried out site inspection. Sampling of Soil and SW was carried out and analyzed for CoCs only; analysis result revealed no contamination.	Karnataka PCB requested to carry out sediment & SW (Lake water) sampling from 3-4 locations to ascertain the extent of contamination and submit report to CPCB as per CPCB format within 2 months.
7.	Hebbal Lake, Bangalore, Karnataka-560024	PCS	Karnataka PCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> - Sampling of Soil and SW was carried out and analyzed for CoCs only; - Soil sample (01) revealed no contamination with lead w.r.t., soil screening level for industrial land use; - SW sample (01) revealed contamination with Lead, w.r.t., EPA standard for 	Karnataka PCB shall carry out 4-5 nos sampling of sediment & SW and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document; Timelines: 2 months

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Karnataka PCB	Observations/ Suggestions by CPCB
			discharge into inland surface water; - Sediment samples were not carried out;	
8.	Bellandur Lake, Bangalore, Karnataka-560103	PCS	Karnataka PCB had carried out site inspection. Sampling of Soil and SW was carried out from single location and analyzed for CoCs only; analysis result revealed no contamination.	Karnataka PCB requested to carry out sediment & SW (Lake water) sampling from 3-4 locations to ascertain the extent of contamination and submit report to CPCB as per CPCB format within 1 month.
9.	Arekere lake, Bangalore, Karnataka-560076	CS	- Karnataka PCB had carried out site inspection. - Sampling of Soil was carried out and analyzed for CoCs only; analysis result revealed no contamination. - SW samples revealed contamination with Lead , w.r.t., EPA standard for discharge into inland surface water; - Sediment samples were not carried out;	Karnataka PCB requested to carry out sediment & SW (Lake water) sampling from 3-4 locations to ascertain the extent of contamination and submit report to CPCB as per CPCB format within 1 month.
10.	Agara Lake, Bangalore city, Karnataka-560102	CS		
11.	Begur Lake, Begur road, Bangalore, Karnataka-560068	CS	- Karnataka PCB had carried out site inspection. - Sampling of Soil was carried out from single location and analyzed for CoCs only; analysis result revealed no contamination. - Sampling of SW was carried out from single location and analyzed for CoCs only; analysis result revealed contamination with Lead , w.r.t., EPA standard for discharge into inland surface water; - Sediment samples were not carried out;	Karnataka PCB requested to carry out sediment & SW (Lake water) sampling from 3-4 locations to ascertain the extent of contamination and submit report to CPCB as per CPCB format within 1 month.
12.	Harihar Taluk, Davengere District, Karnataka-577601	PCS	Karnataka PCB had carried out site inspection. Sampling of GW from single location was carried out and analyzed for CoCs only; Analysis result revealed no contamination.	Karnataka PCB shall carry out sampling of soil and GW samples from 4-5 locations and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Karnataka PCB	Observations/ Suggestions by CPCB
				Timelines: 2 months
13.	Tumkuru Amanikere Lake Watershed, Karnataka, India-572101	PCS	<p>Karnataka PCB had carried out site inspection.</p> <p>Sampling of soil from single location was carried out and analyzed for CoCs only; Analysis result revealed no contamination.</p> <p>Water sample was collected from inlet and outlet of STP and analysed for COCs only. Analysis result revealed no contamination.</p>	<p>Karnataka PCB shall carry out sampling of sediment and SW samples from 4-5 locations of the lake and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;</p> <p>Timelines: 2 months</p>
14.	Federal Mughal Pvt Ltd, Doddaballapur Road, Yelahanka, Bangalore, Karnataka-560064	PCS	<p>Karnataka PCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - Sampling of Soil and GW was carried out and analyzed for CoCs only; - Soil sample (01) revealed contamination with Chromium w.r.t., soil screening level for industrial land use; - GW sample (01) revealed contamination with Chromium; 	<p>Karnataka PCB shall carry out 4-5 nos sampling of Soil & GW and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;</p> <p>Timelines: 2 months</p>
15.	Vrishabavati River, Bangalore-560001	PCS	<p>Karnataka PCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - Sampling of Soil was carried out from single location and analyzed for CoCs only; no contamination is revealed. - Sampling of river water was carried out from single location and analyzed for CoCs and general parameters; analysis result revealed no contamination. 	<p>Karnataka PCB shall carry out 4-5 nos sampling of sediment, wherein sampling of surface water has been carried out and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;</p> <p>Timelines: 2 months</p>
16.	Dandeli, Karnataka - 581325	PCS	Karnataka PCB had carried out site inspection. However, sampling of GW/Soil was not carried out.	<p>Karnataka PCB shall carry out sampling and submit analysis results of CoCs with general parameters and heavy metals of collected soil & GW samples.</p> <p>Timeline: 02 months.</p>
17.	Peenaya Industrial	CS		Karnataka PCB may carry out detailed site investigation

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Karnataka PCB	Observations/ Suggestions by CPCB
	Estate I-Stage, Bengaluru-560058		Karnataka PCB had carried out site inspection and submitted the following findings:	based on the guidance document/reference document on 'Identification, Inspection and Assessment of Contaminated Sites', as soil and groundwater samples revealed contamination with heavy metal.
18.	Peenaya Industrial Estate, II Stage Bengaluru-560058	CS	<ul style="list-style-type: none"> - Sampling of Soil and GW was carried out and analyzed for CoCs only; - Soil samples revealed contamination with Lead and Chromium (total), w.r.t., soil screening level for industrial land use; 	Timeline: 2 months.
19.	Peenaya Industrial Estate, IV Stage Bengaluru-560058	CS	<ul style="list-style-type: none"> - GW samples revealed contamination with Lead, Copper, Magnesium and Chromium (total); 	
20.	Metagalli industrial area Mysore city, Karnataka, India-570016	PCS	<p>Karnataka PCB had carried out site inspection.</p> <p>Sampling of Soil and GW from single location was carried out and analyzed for CoCs only;</p> <p>Analysis result revealed no contamination.</p>	<p>Karnataka PCB shall carry out sampling of soil and GW samples from 4-5 locations and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;</p> <p>Timelines: 2 months</p>
21.	Hebbal Industrial area Mysore city, Karnataka, India-570020	PCS	<p>Karnataka PCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - Sampling of Soil from single location was carried out and analyzed for CoCs only; no contamination is revealed. - Sampling of SW was carried out and analyzed for CoCs; analysis result revealed no contamination. 	<p>Karnataka PCB shall carry out 4-5 nos sampling of Soil & GW, wherein sampling of surface water has been carried out and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;</p> <p>Timelines: 2 months</p>
22.	Hootagalli Industrial area Mysore city, Karnataka, India-570023	PCS	<p>Karnataka PCB had carried out site inspection.</p> <p>Sampling of Soil & GW from single location was carried out and analyzed for CoCs only; no contamination is revealed.</p>	<p>Karnataka PCB shall carry out 4-5 nos sampling of Soil & GW, wherein sampling of surface water has been carried out and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;</p> <p>Timelines: 2 months</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Karnataka PCB	Observations/ Suggestions by CPCB
23.	Bidar, Karataka (Vani Oragnics Pvt. Ltd.)	PCS	<p>Karnataka PCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - Sampling of GW from 1 location was carried out and analyzed for CoCs and general parameters; - Anlysis result revealed contamination with TDS, Mn and Sulphate, w.r.t., BIS drinking water standard; 	<p>Karnataka PCB shall carry out soil & GW samples from 4-5 locations and submit analysis results of CoCs, general parameters and heavy metals, with reference to CPCB reference document;</p> <p>Timelines: 2 months</p>

Madhya Pradesh

MPPCB vide letter dated 17.02.22 submitted revised action taken report. There are 13 sites in MP; wherein 6 sites identified as PCS and other 7 sites are as CS. Accordingly, made the following observations/suggestions:

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
1.	Sajjan Chemicals -Plot No ; 54 E dosigoan Industrial area, Ratlam, Madhya Pradesh	CS	i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress. ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with color, TDS Chloride and Sulphate . iii) Direction has been issued by MPPCB for lifting & disposal of waste through TDSF.	Actions shall be taken as per the recommendations of 16 th TEC meeting.
2.	Sajjan chemical Pvt Ltd (Plot No -61 B, Dosigaon Industrial Area, Ratlam)	CS	(i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress. (ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with color, TDS Chloride and Sulphate . (iii) Hazardous waste had been lifted and disposed through TSDF.	
3.	M/s Jayant Vitamin, Ratlam	CS	(i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress. (ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with color, TDS Chloride and Sulphate . (iv) No historical waste dump was found, except old industrial equipments and chemical storage tanks as per detailed investigation report.	
4.	Ratlam Industrial Area- 457001	CS	MPPCB inspected the site followed by soil and GW sampling.	Action may be taken as per NCEF project

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			(iii) Analysis result reveals that soil is not contaminated. In GW samples, Lead, Color, Chloride, Sulphate, and TDS are reported higher than acceptable limit of BIS. COD is also reported in the samples.	
5.	M/s Grasim Chemical, Grasim Nagar, Nagda, Madhya Pradesh	PCS	Site is inspected by MPPCB and accordingly, carried out few soil samples. Analysis result reveals no contamination. However, GW sample was not collected from the site.	For soil samples, concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB.
6.	Atal Ayub Nagar, Near UCIL factory, Bhopal-462001	PCS	MPPCB inspected the site followed by soil and GW sampling. Analysis result reveals as below: <ul style="list-style-type: none"> - soil is not contaminated with CoCs & Arsenic. - In the report of 2020, Copper, Nitrate and TDS were reported in GW samples higher than acceptable limit of BIS. In the present study, the sample is not analyzed for the physico-chemical parameters. 	Concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and analyzed for physico-chemical parameters along with Copper, & Nitrate , and submit report to CPCB within 1 month.
7.	Shakti Nagar, Near Arif Nagar, Near Union Carbide factory, Bhopal	PCS	No report is submitted by MPPCB.	In the past report of 2020, it was observed that heavy metals in soil samples were analysed by using TCLP extraction method, whereas threshold values (w.r.t. total concentration) need to be reported. Therefore, it was requested to re-analyse soil samples for heavy metals. Further, MPPCB requested to carry out few more GW samples to ascertain the quality of GW and submit report to CPCB.
8.	Post Vindhyan Nagar, Dist. Sangruli, MP- 486885	PCS	MPPCB inspected the site followed by soil sampling. Analysis result reveals that soil is not contaminated.	MPPCB requested to carry out GW sampling from 3-4 locations to ascertain the quality of GW and submit

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			GW-sampling was not carried out.	report to CPCB as per CPCB format within 1 month.
9.	M/s Union carbide (UCIL), J.P. Nagar, Bhopal, Madhya Pradesh 462001	CS	i. GW samples collected, analysis result reveals no contamination. ii. Soil samples collected, analysis result of carbamate (pesticides) reveals no contamination. iii. MPPCB vide letter dated 30.06.2022 has informed regarding disposal of UCIL waste from the premises.	Proposed for joint sampling by CPCB and MPPCB in November, 2022.
10.	M/s Boardia Chemicals Pvt Ltd. Ratlam, Madhya Pradesh- 457001	PCS	MPPCB inspected the site followed by soil and GW sampling. Analysis result reveals as below: - Soil is found as not contaminated. - In GW samples Lead and Copper are reported higher than acceptable limit of BIS. COD is also reported in the GW samples	MPPCB may carry out detailed site investigation and submit report to CPCB with 2 months.
11.	Deoguradiya (Municipal landfill Site), Near Devguradia, Indore, MP - 452001	PCS	i. The said area falls under the jurisdiction of residential zone. ii. Samples of soil and GW collected, analysis result reveal: - In soil no contaminated is reported. - In GW samples, Chloride and TDS are reported higher than acceptable limit of BIS. COD is also reported in the GW samples.	MPPCB may carry out few more GW samples to ascertain the quality of GW and submit report to CPCB within 1 month.
12.	Solar Evaporation Ponds outside UCIL premises, Bhopal	CS	i. GW and SW samples collected, analysis result reveals no contamination. ii. Soil samples collected and analysis result of carbamate (pesticides) and VOC reveals no contamination. iii. MPPCB vide letter dated 30.06.2022 has informed	Proposed for joint sampling by CPCB and MPPCB in November, 2022.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			regarding disposal of UCIL waste from the premises.	
13.	Dabli, Mangliya, Indore, MP	CS	<p>i. CPCB vide letter dated 10.01.2020 issued directions u/s 18(1) of Water Act, 1974 to MPPCB regarding oil contamination due to leaking of underlines pipe lines. As Oil & Grease conc. in GW sample was reported as 1 mg/L (BIS limit for Mineral oil in Drinking water is 0.5 mg/L).</p> <p>ii. MPPCB has inspected the site followed by soil and GW sampling.</p> <p>iii. Analysis result of GW samples reveals that odor of Mild-Petroleum products along with TDS.</p> <p>iv. Analysis result of heavy metals in soil samples reveals no contamination.</p> <p>v. Further, geo-environmental study report was done by NIH-Roorkee and submitted in Aug, 2021.</p>	<p>Detailed investigation shall be carried out based on the "Scope of Work", provided by CPCB.</p> <p>Timelines: 2 months</p>

Maharashtra

Maharashtra Pollution Control Board (MPCB) has submitted action taken report on 06 probable/contaminated sites vide its email communications dated 18.11.2021. Accordingly, the reports were examined and following observations and suggestions are made as below:

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
1.	Mithi River, Mumbai, Maharashtra	CS	MPCB issued direction u/s 5 of E(P)A 1986 to Municipal Corporation of Greater Mumbai (MCGM). The work of preliminary site assessment is awarded to CSIR-NEERI and proposal is submitted.	MPCB has not provided inspection report along with sampling and analysis details. Therefore, MPCB may submit the compliance status of directions issued to MCGM and status report on assessment works.
2.	M/s Godavari Bio-Refineries, Ahmed Nagar District, Maharashtra	CS	Contaminated groundwater is being remediated by applying Bioremediation technique since September, 2017 and the same is underway.	MPCB should monitor progress of remediation work and status report may be updated at website & submit to CPCB from time to time. However, the said report is awaited from MPCB.
3	Deonar, Mumbai, Maharashtra 400088	CS	MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below: (i) Sampling of soil, GW and surface-water was carried out. (ii) Analysis results of Leachate reveals about contamination of TDS, Iron, Fluoride & Nitrate . (iii) Analysis results of groundwater reveals about contamination of Sulphate, Fluoride, Nitrate, Chloride, Iron, Copper, Arsenic, Molybdenum, & Manganese . (iv) Analysis results of soil reveals about contamination of Chromium, Copper, Lead, Molybdenum, Nickel, Antimony & Zinc .	Draft Site assessment report is reviewed and it is observed that soil & groundwater is contaminated. Therefore, the said site should be considered as "contaminated site" instead of "probable contaminated site". MPCB may collect sediment samples from those points wherein SW sampling was carried out and submit analysis results of CoCs, general parameters & heavy metals. MPCB may expedite site remediation work and submit the proposal to CPCB at the earliest.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
4	Tarapur Industrial area, Tarapur, Thana dist. MH-401504, 401506	CS	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(i) Sampling of soil, GW and surface-water was carried out.</p> <p>(ii) Analysis results of Leachate reveals about contamination of TDS, Iron, Fluoride & Nitrate.</p> <p>(iii) Analysis results of groundwater reveals about contamination of Sulphate, Fluoride, Nitrate, Chloride, Iron, Copper, Arsenic, Molybdenum, & Manganese.</p> <p>(iv) Analysis results of soil reveals about contamination of Chromium, Copper, Lead, Molybdenum, Nickel, Antimony & Zinc.</p>	<p>Draft Site assessment report is reviewed and it is observed that soil & groundwater is contaminated. Therefore, the said site should be considered as "contaminated site" instead of "probable contaminated site".</p> <p>MPCB may collect sediment samples from those points wherein SW sampling was carried out and submit analysis results of CoCs, general parameters & heavy metals.</p> <p>MPCB may expedite site remediation work and submit the proposal to CPCB at the earliest.</p>
5.	Nashik, MIDC (Industries located in MIDC Area)	CS	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(i) Hazardous waste, Bio-medical and C&D wastes had been being dumped at the site, as observed in the photographs.</p> <p>(ii) Sampling of waste, soil, GW and surface-water was carried out.</p> <p>(iii) Analysis results of waste reveals about contamination of Molybdenum & Antimony.</p> <p>(iv) Analysis results of groundwater reveals about contamination of Fluoride, Arsenic, Lead, Chromium, Iron &</p>	<p>Draft Site assessment report is reviewed and it is observed that soil & groundwater is contaminated. Therefore, the said site should be considered as "contaminated site" instead of "probable contaminated site".</p> <p>MPCB may lift & dispose of the waste lying at the site in secured manner.</p> <p>MPCB may expedite site remediation work and submit the proposal to CPCB at the earliest.</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
			<p>Copper, along with high TDS.</p> <p>(v) Analysis results of soil reveals about contamination of Copper, Molybdenum, Chromium, Antimony & Nickel.</p> <p>(vi) Analysis result of surface water reveals about contamination of Fluoride and Arsenic along with high TDS.</p> <p>(vii) Analysis result of Sediment reveals about contamination of Chromium, Copper, Nickel and Antimony.</p>	
6.	Karavale village, Kalyan, Maharashtra	CS	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(i) One part of the site (forest land) had drums of hazardous chemicals buried deep underground by digging with JCB followed by soil covers on top at two locations near foothills of Malang Gad hill range. At another part (agricultural land), metal/HDPE drums (~314 Nos), and HDPE woven bags with HW/chemicals were dumped on open ground. Around 162 Nos of drums were sent to M/s. Mumbai Waste Management Ltd (CHWTSDf), Taloja by MPCB.</p> <p>(ii) Sampling of waste, soil, GW and surface-water was carried out.</p>	<p>Draft Site assessment report is reviewed and it is observed that soil & groundwater is contaminated. Therefore, the said site should be considered as “contaminated site” instead of “probable contaminated site”.</p> <p>MPCB may collect sediment samples from those points wherein SW sampling was carried out and submit analysis results of CoCs, general parameters & heavy metals.</p> <p>MPCB may lift & dispose of the waste lying at the site in secured manner.</p> <p>MPCB may expedite site assessment work and submit the report to CPCB at the earliest.</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
			<p>(iii) Analysis results of waste reveals about contamination of Cadmium.</p> <p>(iv) Contamination with Arsenic, Iron, Manganese, Copper is found in GW samples w.r.t. BIS drinking water std.</p> <p>(v) Contamination with TDS, Arsenic w.r.t. Standard of Inland surface water discharge.</p> <p>(vi) Soil was found contaminated with Chromium, Copper, Molybdenum, Nickel, Lead, Zinc, w.r.t. CCME soil screening level for Commercial land use.</p>	

Punjab

There are 09 contaminated sites in Punjab. Punjab PCB vide its letter dated 26.08.2022 has confirmed to carry out action taken as per the format of "Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)" provided by CPCB. Further, it is submitted that the earlier observations/suggestions of CPCB are as below:

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
1.	Basti Sheikh, Jalandhar	CS	PPCB had inspected the MSW dumpsite and carried out soil and GW sampling. Analysis result reveals that: (i) GW is contaminated with color, Manganese and TDS (ii) Soil is contaminated with Chromium .	Punjab PCB to initiate detailed site investigation and submit the progress report to CPCB within 2 months.
2.	Hambran Road MSW Dump Site, Ludhiana	CS	PPCB had inspected the MSW dumpsite followed by soil and GW sampling. Analysis result reveals that GW is contaminated with color .	PPCB to carry out i. Few more GW samples to ascertain the GW quality of the site. ii. Sampling of soil/ sediment/SW and submit report including analysis results of CoCs, general parameters and heavy metals within 1 month.
3.	Buddha Nullah, Ludhiana, Punjab	CS	PPCB had inspected the site and carried out soil, SW and GW sampling. Analysis result reveals that: a) In soil samples, Zn, Ni & Chromium are exceeded with the screening levels. b) In SW sample, higher color is reported.	It is observed that GW samples collected, however, analysis report of the same is not submitted. Therefore, Punjab PCB may carry out detailed site investigation and submit progress of the same to CPCB. Sampling of sediment component and analysis result of GW samples may also be included.
4.	Mahaluxmi Orgo Chemical Industries, Nabha Road, Bhawanigarh, Sangrur	CS	M/s Mahaluxmi Orgo Chemical industries was earlier in operation and was involved in the manufacturing of H-Acid. However, the Industry had closed down its operations and there are no industrial activities at this site. Further, PPCB had inspected and carried out soil and GW sampling.	With reference to Hon'ble NGT matter in O.A. No. 169 of 2021, vide order dated 20.07.2021 had constituted a five members Joint Committee comprising of CPCB, Regional Officer, MoEF&CC, Chandigarh PCC, a nominee of Secretary, Environment Dept., Punjab and District Magistrate,

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			<p>Analysis result reveals that:</p> <p>(i) No contamination is reported in soil samples.</p> <p>(ii) In GW samples, colour, Copper, fluoride, TDS, sulphate and nitrate are reported higher than acceptable limit of BIS.</p>	<p>Sangrur. The Joint Committee in its report dated 30.3.2022 submitted that ground water and soil has been contaminated due to illegal discharge of untreated trade effluent and dumping of hazardous waste by the industry more than 15 years ago, and also suggested short term and long term remediation plans of the contaminated site.</p> <p>Punjab PCB shall initiate detailed site investigation followed by remediation and submit the progress report to CPCB time to time.</p>
5.	Tajpur road MSW dump site, Ludhiana	CS	<p>PPCB had inspected the MSW site and carried out soil and GW sampling.</p> <p>Analysis result reveals that:</p> <p>(i) In GW samples, colour and TDS are reported higher than acceptable limit of BIS.</p> <p>(ii) Soil is contaminated with Cu and As.</p>	Punjab PCB may initiate detailed site investigation and submit the report to CPCB within 2 months.
6.	PSIEC Leather Complex, Jalandhar, Punjab	CS	<p>PPCB had inspected the site and carried out soil and GW sampling.</p> <p>Analysis result reveals that:</p> <p>(i) In GW samples, colour is reported higher than acceptable limit of BIS.</p> <p>(ii) No contamination is reported in soil samples.</p>	Punjab PCB may carry out few more samples of GW and submit the report to CPCB within 1 month.
7.	Kala Sanghia Drain, Jalandhar, Punjab144623	CS	<p>PPCB had inspected and carried out soil, SW, and GW sampling.</p> <p>Analysis result reveals that:</p> <p>(i) Colour is reported in GW samples.</p> <p>(ii) In soil samples, Chromium is exceeded with the screening levels (w.r.t. agriculture/ residential land-use).</p> <p>(iii) In SW samples, Color is exceeded with</p>	<p>It is observed that sediment sampling not done wherein SW samples carried out.</p> <p>Therefore, Punjab PCB may carry out detailed site investigation and submit progress of the same to CPCB within 2 months. Sampling of sediment component may also be included.</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			prescribed standards/ levels.	
8.	Nasrali Village, Mandi Gobindgarh-147301	CS	<p>PPCB had inspected the site and carried out soil, SW, and GW sampling.</p> <p>Analysis result reveals that:</p> <ul style="list-style-type: none"> - In soil samples, Arsenic is exceeded with the screening levels. - In GW samples, Acidic pH, TDS and Nitrate are reported higher than acceptable limit of BIS. - In SW samples, slightly Acidic in nature is reported. 	
9.	Ajnali Village, Mandi Gobindgarh, Punjab.-147301	CS	<p>PPCB had inspected the site and carried out soil, SW, and GW sampling.</p> <p>Analysis result reveals that:</p> <ul style="list-style-type: none"> - In soil samples, Cadmium is exceeded with the screening levels. - In GW samples, TDS is reported higher than acceptable limit of BIS. - Nitrate in SW sample is found as exceeding than the prescribed limits. 	

Uttar Pradesh

There are 34 sites in UP; wherein 11 sites identified as PCS and other 23 sites are as CS. UPPCB has submitted action taken report vide its letter dated 02.05.2022. Accordingly, made the following observations/suggestions:

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
1.	Khanchandrapuri, Rania Kanpur Dehat	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of UP and UPPCB for execution of Remediation work.	UPPCB shall monitor and supervise the activities pertains to lifting & disposal of Chromium waste through TSDFs and also submit progress reports time to time.
2.	Shivnathpura, Rania, (Kanpur Dehat) Ramabai Nagar, Kanpur, Uttar Pradesh	CS	In compliance of the directions of Hon'ble NGT orders in the matter of O.A. No. 200/2014 and 985 & 986/2019, work orders have been awarded to TSDF operators by the District Administration, Kanpur Dehat, UP for lifting & disposal of Chromium waste through TSDFs. Accordingly, lifting & disposal of Chromium waste followed by stabilization through TSDFs is underway.	
3.	Deva Road, Lucknow (Palhuri Village, Deva Road, Chinhat, Lucknow)	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of UP and UPPCB for execution of Remediation work.	Remediation work is not yet initiated. To review the present condition of the contaminated sites at IPL & Deva Road, soil and groundwater samples were jointly carried out by the officials of CPCB, RD-Lucknow and UPPCB. Analysis result of GW & Soil samples are awaited.
4.	India Pesticide Limited, Lucknow	CS		
5.	Uttardhauna, Chinhat Block, Lucknow	CS		
6.	Chakar Village Chinhat, Lucknow	CS		
7.	Dewa Road, Lucknow (Palhuri Village, Deva Road, Chinhat, Lucknow)	CS		
8.	Industrial Area Meerut Road, Ghaziabad, Uttar Pradesh	CS	Cr(VI) in groundwater is remediated by applying: (i) Pump & Treat (P&T) technique, (ii) Bioremediation technique,	UPPCB shall monitor remediation work undertaken by Responsible Party and

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
9.	Lohia Nagar C Block, Ghaziabad	CS	Remediation work is underway since 2012.	submit status report to CPCB from time to time.
10.	Juhi Baburaiya (Rakhi Mandi), Kanpur	CS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and no contamination was reported w.r.t., screening level of soil. 	In compliance of Hon'ble NGT in OA No. 985/2019, jointly sampling carried out by CPCB & UPPCB in July, 2019; analysis results of Chromium concentration were found in the range of 1.18-0.12 mg/L higher than BIS DW standard.
11.	Shivnagar Colony, Unnao	PCS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW, sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result GW samples reveals that Magnesium, & TDS is found higher than BIS drinking water acceptable limit. iv. Soil sampling was not carried out. 	UPPCB shall carry out soil sampling along with few fresh 3-4 GW samples to ascertain GW quality and submit action taken report within a monthly to CPCB.
12.	Nauriaya Kheda, Kanpur	CS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. 	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			v. Soil samples were analyzed for heavy metals and Lead was reported higher than screening level of soil.	
13.	Bhuapur Village, Kaushambhi, Gaziabad, Uttar Pradesh	CS	i. UPPCB has inspected the site followed by GW and soil sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result of GW samples reveals that TDS and Lead is higher than BIS drinking water acceptable limit. iv. In soil samples, Copper, and Chromium reported higher than screening level of soil.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months. Further, source of the contamination may be studied by UPPCB.
14.	Shakti Nagar, Aligarh	CS	i. UPPCB has inspected the site followed by GW, SW and soil sampling. ii. No dumping of hazardous waste is observed at the site. iii. GW, SW and soil samples were carried out; however, analysis results are awaited.	UPPCB had carried out preliminary site investigation based on the reference document of CPCB. If analysis results exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
15.	Kanoria Chemical Renukoot, Renukoot, Sonebhadra, Uttar Pradesh	CS	Site was inspected by UPPCB and submitted that: i. Mercury bearing sludge has been stored in captive SLF. Presently, the industry is owned by M/s Grasim industries limited. ii. Analysis result for CoCs of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iii. Analysis result for CoCs of soil samples reveals no contamination w.r.t., screening level of soil.	Matter is sub-judicial and under investigation.
16.	Barnawa Village, Baghpat, District Meerut (Confluence point	CS	i. UPPCB has inspected the site followed by GW, and SW sampling. ii. No dumping of hazardous waste is observed at the site.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
	of Kali River & Hindon River)		iii. Analysis result for general parameters of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and Arsenic, and Chromium reported higher than screening level of soil.	
17.	Firozabad	CS	i. UPPCB has inspected the site followed by GW, and soil sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for CoCs of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iv. Soil samples were analyzed for CoCs and Cadmium and Chromium reported higher than screening level of soil.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.
18.	Panki Industrial Area, Kanpur	CS	i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and Copper, and Chromium reported higher than screening level of soil.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
19.	Jaibheem Nagar, Ward No. 5, Meerut, UP	CS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW, and SW sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and Arsenic, and Chromium reported higher than screening level of soil. vi. Sediment sampling was not carried out. 	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.
20.	Kunrwa, Jirgha Dandi, Sonebhadra District, Uttar Pradesh	PCS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW (single location), and soil sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for CoCs of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iv. Analysis result for CoCs of soil samples reveals no contamination w.r.t., screening level of soil. 	UPPCB shall carry out soil sampling along with few fresh 3-4 GW samples to ascertain GW quality and submit action taken report within a monthly to CPCB.
21.	Jajmau Industrial Area, Kanpur	PCS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, 	

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and no contamination was reported w.r.t., screening level of soil.	
22.	Magarwara Industrial Area, Unnao	PCS	i. UPPCB has inspected the site followed by GW, sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result GW samples reveals that Magnesium, & TDS is found higher than BIS drinking water acceptable limit. iv. Soil sampling was not carried out.	
23.	Singrauli Super Thermal Power Plant, Singrauli	CS	i. UPPCB has inspected the site followed by GW (single location), and soil sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for CoCs of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iv. Analysis result for CoCs of soil samples reveals no contamination w.r.t., screening level of soil.	
24.	Tejab Mill Campus, Anwarganj, Kanpur	CS	i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and lead & Chromium reported higher than screening level of soil.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
25.	Ashapur Village, Fatehpur	PCS	Old report: UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveal no contamination. Present status: No report is submitted.	It is observed that soil/waste/ sediment/SW samples are not carried out. Therefore, UPPCB may carry out sampling of soil/sediment/waste and submit report with analysis results of CoCs, general parameters & heavy metals and visit Photographs.
26.	Ranipur Village, Fatehpur	PCS		
27.	Rooma-Treatment Storage Disposal Facility, Kanpur	CS	i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and Chromium reported higher than screening level of soil.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.
28.	Hindustan Laboratories, UPSIDC, Industrial Area, Naini, Allahabad	PCS	Old report: UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples with CoCs reveal no contamination. Present status: No report is submitted.	It is observed that soil/waste/ sediment/SW samples are not carried out. UPPCB may carry out preliminary site investigation based on the reference document of CPCB.
29.	Bharat Oil and Waste Management, Kanpur	PCS	Old report: Site was inspected by UPPCB and submitted that dumped hazardous waste was disposed of after stabilization at TSDF. Present status:	It is observed that soil/waste/ sediment/SW samples are not carried out. Therefore, UPPCB may carry out sampling of soil/sediment/waste and submit report with

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			No report is submitted.	analysis results of CoCs, general parameters & heavy metals and visit Photographs. Timeline: 2 months
30.	Gudhrauly Village, Fatehpur	PCS	Old report: UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveal no contamination. Present status: No report is submitted.	It is observed that soil samples are not carried out. Therefore, UPPCB may carry out sampling of soil and submit report with analysis results of CoCs, general parameters & heavy metals and visit Photographs.
31.	Loni, UP	PCS	Old report: i. Site was enlisted based on complaints received, and inspection carried out by the officials of CPCB on 14.06.2019 & 09.01.2020. ii. UPPCB has inspected the site followed by GW and soil sampling. iii. Analysis results of GW samples reveal that TDS, Chloride, Sulphate higher than BIS limit iv. Analysis results of soil samples reveal contamination with Copper, Nickel, Lead and Zinc. Present status: No report is submitted.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.
32.	Bank of River Ramganga, Moradabad, UP	CS	As per direction of Hon'ble NGT, O. A. No. 621/2018, e-waste residue (black-powder) had been lifted. UPPCB has inspected the site followed by GW, soil and SW sampling. - In GW samples, reported no contamination. - In SW samples, color reported higher than prescribed standards.	It is observed that sediment sampling at the river bank are not carried out. UPPCB may carry out sediment sampling, submit report with analysis results of CoCs, general parameters & heavy metals and submit the report to CPCB within 1 month.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
33.	Sansarpur Village, Chutmulpur Road, Saharanpur (transferred site from Uttarakhand)	PCS	i. UPPCB has inspected the site followed by GW, and soil sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for CoCs of GW samples reveals that Lead is higher than BIS drinking water acceptable limit. iv. Analysis result for CoCs of Soil samples reveals no contamination, w.r.t., screening level of soil.	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.
34.	Mandoli & Seelampur, E-Waste site (transferred site from Delhi)	CS	No report is submitted.	It is observed that soil/ waste/ sediment/SW samples are not carried out. Therefore, UPPCB may carry out sampling of soil/sediment/waste and submit report with analysis results of CoCs, general parameters & heavy metals and visit Photographs. Timeline: 2 months
35.	Godhrauli village, UP	CS	Directions of Hon'ble NGT: <i>"The Committee is directed to visit the place and submit the factual and action taken report within two months. The State PCB will be the nodal agency for coordination and logistic support."</i>	Enlisted as 'New Site', w.r.t., Hon'ble NGT order dated 21.08.2023 in the matter of O.A. No. 528 of 2023 (PB), In re: news report published in Dainik Jagran dated 14.08.2023 on "highlights a growing concern regarding industrial pollution in the Godhrauli village".

West Bengal

There are 07 sites in WB; wherein, 06 sites are identified as PCS and 01 site is as CS. Status as per old reports is given below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by WBPCB	Observations/ Suggestions by CPCB
1.	Nibra Industrial Area, Howrah, West Bengal	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of WB and WBPCB for execution of Remediation work.	Remediation works as per the DPR may be initiated at the earliest. Further, WBPCB may monitor the remediation works and submit progress report to CPCB from time to time.
2.	Tiljala, Picnic Gardens, Kolkata	PCS	WBPCB submitted that no documentary evidence of contaminated site. However, there are micro/small scale secondary lead smelting units are in operation occasionally. These units are disposing HW as per HOWM Rules, 2016.	WBPCB may submit preliminary site assessment report as per CPCB reference document supported with analysis results and site visit/sampling photographs within a month.
3.	Calcutta Chemical Products, Dankuni Durgapur road,vill.- Dankuni,Dist.- Hoogly-712310	PCS	WBPCB submitted that study for remediation had been conducted by a Consultant (i.e. ERM India Pvt. Ltd.) Accordingly, the concerned industries located in and around the sits had been directed to take requisite measure as recommended by the Consultant.	In this regard, CPCB-RD, Kolkata is requested to follow up the matter with WBPCB.
4.	19, BT Road, Khardah,Kolkata- 700116	PCS	WBPCB submitted that study for remediation had been conducted by a Consultant (i.e. ERM India Pvt. Ltd.) Accordingly, the concerned industries located in and around the sits had been directed to take requisite measure as recommended by the Consultant.	
5.	Durgapur, West Bengal-713201	PCS	WBPCB submitted that study for remediation had been conducted by a Consultant (i.e. ERM India Pvt. Ltd.) Accordingly, the concerned industries located in and around the sits had been directed to take requisite measure as recommended by the Consultant.	
6.	Durgapur Napthelene,WB- 713201	PCS		
7.	Belda Chemicals, vill.-Kharagpur (Mednipur) West Bengal-721301	PCS		
