

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
Principal Bench, New Delhi

Original Application No. 804/2017

In the Matter of: -

Rajiv Narayan & Anr.

Applicant(s)

Vs.

Union of India & Ors.

Respondent(s)

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(Deepti Kapil)
Scientist 'D'

Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar
Delhi-110032

Place: Delhi
Date: 25.01.2021

**Action Taken Report on Compliance of the
orders dated 01.07.2020 (uploaded on
07.07.2020) of the Hon'ble Tribunal in the
matter of O.A. No. 804/2017: Rajiv Narayan
& Anr. Vs Union of India & Ors.**



January, 2021

CENTRAL POLLUTION CONTROL BOARD

**Ministry of Environment, Forest and Climate Change,
Govt. of India**

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4.1 Background

The Hon'ble National Green Tribunal, Principal Bench, New Delhi, in the matter of O. A. No. 804/2017: Rajiv Narayan & Anr. Vs Union of India & Ors has passed the following directions regarding contaminated sites vide its orders dated 01.07.2020, reproduced the same as below:

"....14. We direct CPCB to take further steps for compliance by issuing appropriate directions and also to enforce its directions for recovery of compensation for the continuing damage to the environment on 'Polluter Pays' principle.... Apart from this, following specific directions may be complied with:

(ii) Regarding remediation of contaminated sites, immediately 5 sites should be taken for remediation and executed within a period of six months. Environmental damages caused by such sites and loss in terms of monetary resources may also be estimated.

15. We direct all the States/UTs and PCBs/PCCs to comply with observations and recommendations in the report and furnish their compliance reports by 31.10.2020 to the CPCB. The Chief Secretaries of the States at the State level and the Ministry of Environment, Forest and Climate Change (MoEF&CC) and the CPCB at the national level may monitor compliance. At the national level, coordination with Central Ministries may be involved which MoEF&CC may look into followed up by the CPCB. Further action taken report in the matter be furnished by CPCB after four months by 30.11.2020....."

*A copy of the Hon'ble NGT order dated 01.07.2020 (uploaded on 07.07.2020) is annexed at **Annexure-I**.*

4.2 Status on Assessment and Remediation of Contaminated Sites

- (i) Aforesaid directions of Hon'ble NGT, were communicated vide letter dated 22.07.2020, to 21 SPCBs/PCC where the sites were identified, for taking necessary actions and to submit a report on assessment and remediation of contaminated in respective sites.
- (ii) A meeting was held with 21 SPCBs/PCC through VC on 02.09.2020 to review the compliance status. The said meeting was attended by Senior officials of SPCBs/PCC including few Member Secretaries. A copy of the minutes of meeting is annexed at **Annexure-IV**.
- (iii) 18 out of 21 States/UT (except Odisha, West Bengal and Delhi) have submitted compliance status reports along with details of sites inspected,

testing of samples, etc. including details of assessment works carried out by them.

- (iv) 3 out of 21 States/UT namely Odisha, West Bengal and Delhi have requested more time for completion of site inspections, assessment and to submit compliance reports, due to on-going pandemic situation. State-wise number of sites as per the status reports submitted by SPCBs is given at **Table-1**.

Table-1: Details of action taken reports submitted by SPCBs/PCC

S. No.	Name of the States/UT	No. of sites	Action taken report submitted	Date of submission
1.	Andhra Pradesh	4	Yes	10.11.2020
2.	Assam	4	Yes	01.12.2020
3.	Chhattisgarh	5	Yes	17.07.2020
4.	Delhi	23	No*	25.01.2021
5.	Goa	2	Yes	10.12.2020
6.	Gujarat	23	Yes	27.10.2020 & 07.11.2020
7.	Haryana	14	Yes	27.11.2020
8.	Himachal Pradesh	4	Yes	19.08.2020
9.	Jharkhand	14	Yes	29.07.2020 & 03.12.2020
10.	Karnataka	25	Yes	02.11.2020
11.	Kerala	9	Yes	29.10.2020
12.	Madhya Pradesh	20	Yes	29.10.2020
13.	Maharashtra	6	Yes	18.11.2020
14.	Odisha	32	No*	03.11.2020
15.	Punjab	9	Yes	01.11.2020
16.	Rajasthan	10	Yes	11.09.2020
17.	Tamil Nadu	11	Yes	28.11.2020
18.	Telangana	9	Yes	24.11.2020
19.	Uttar Pradesh	43	Yes	27.11.2020
20.	Uttarakhand	6	Yes	25.11.2020
21.	West Bengal	7	No*	02.12.2020
	Total	280		

***Note:** Due to Covid-19 pandemic situation, requested for more time to submit compliance report

- (v) States have also indicated that some of the probable sites in the list provided by CPCB are not showing any signs of contamination, hence proposed for de-listing of such sites.

- (vi) As per compliance reports submitted by SPCBs/PCC with supporting documents, such as details of site visits, sampling activity carried out etc., the list of sites has been revised as below:
- a) Total number of sites identified - 280
 - b) Confirmed contaminated sites - 112
 - c) Sites which are probable or not investigated yet - 168
- (vii) As per status reports, States are in the process of assessing the remaining 168 out of 280 sites, therefore the actual scenario of contaminated sites will remain unknown till completion of the task.
- (viii) As per the status reports submitted by SPCBs/PCC, site assessment, DPR preparation and remediation works are in different stages of completion. Accordingly, the status of sites has been compiled based on following criteria:
- a) Probable sites need to be investigated by site inspection and preliminary sampling,
 - b) Confirmed sites where hazardous waste is till lying,
 - c) Confirmed sites for which DPRs have been prepared by CPCB/MoEF&CC,
 - d) Sites where remediation works are initiated or ongoing.

A clear picture on contaminated sites will be known only when SPCBs/PCC gets the sites investigated by responsible parties or investigate the sites by themselves. Revised list of probable and confirmed contaminated sites have been compiled and state-wise revised distribution is given at **Table-2**.

Table-2: Revised State wise distribution of contaminated sites

S. No.	States/UTs	Status submitted before Hon'ble NGT in June, 2020 Total Sites (PCS +CS)	De-listed sites	Updated status as December, 2020		
				Total Sites ¹	Probable Sites (PCS)	Contaminated Sites (CS)
1	Andhra Pradesh	3 (3+0)		4 ¹	4	0
2	Assam	4 (2+2)		4	2	2
3	Chhattisgarh	5 (3+2)		5	3	2
4	Delhi (NCR)	26 (14+12)	3	23	12	11
5	Goa	2 (1+1)		2	1	1
6	Gujarat	23 (15+8)		23	15	8
7	Haryana	17 (13+4)	3	14	10	4

¹ New sites.

S. No.	States/UTs	Status submitted before Hon'ble NGT in June, 2020 Total Sites (PCS +CS)	De-listed sites	Updated status as December, 2020		
				Total Sites ¹	Probable Sites (PCS)	Contaminated Sites (CS)
8	Himachal Pradesh	6 (5+1)	2	4	3	1
9	Jharkhand	14 (12+2)		14	12	2
10	Karnataka	25 (19+6)		25	19	6
11	Kerala	10 (6+4)	1	9	5	4
12	Madhya Pradesh	20 (14+6)		20	14	6
13	Maharashtra	6 (3+3)		6	3	3
14	Odisha	32 (9+23)		32	9	23
15	Punjab	9 (3+6)		9	3	6
16	Rajasthan	11 (9+2)	1	10	8	2
17	Tamil Nadu	11 (5+6)		11	5	6
18	Telangana	9 (7+2)		9	7	2
19	Uttar Pradesh	42 (17+25)	1	43 ¹	22	21
20	Uttarakhand	9 (8+1)	3	6	5	1
21	West Bengal	7 (6+1)		7	6	1
Total		291 (175+116)	14	280	168	112

Revised list of sites giving details of assessment and actions initiated by SPCBs/PCC is given at **Annexure-V**.

- (ix) State wise details of Action taken/initiated by SPCBs/PCC in compliance to directions of Hon'ble NGT are compiled and given at **Annexure-VI**.
- (x) Some progress has been observed in 112 confirmed sites in terms of preparation of DPRs, initiation and execution of remediation works. The details of the same are as below:
- Remediation works have been initiated in 8 sites, in States namely; Gujarat (2), Jharkhand (1), Maharashtra (1), Tamil Nadu (2) and Uttar Pradesh (2). These remediation works have been taken up primarily by the responsible party/industry as per the directions or monitoring of SPCBs. Details of these sites are given at **Table-3**.
 - CPCB/MEF&CC have carried out a project for detailed site assessment and preparation of Detailed Project Reports (DPRs) have been prepared for 20 sites with funding under NCEF/CBIPM Projects. The initiative was to carry out pilot studies to guide future assessment and preparation of DPRs for remediation works. It is expected that these DPRs would form basis for to execute remediation works by Responsible Parties if identified or the State Government in case of orphan sites. Details of the sites for which DPRs have been prepared is given at **Annexure-VII**.

In this context, orphan sites are those sites where polluter is not identified or the polluter is not in a position to bear remediation cost.

- c. In remaining identified contaminated sites, the SPCBs/PCC are required to direct the responsible party to carry out detailed investigation and remediate the sites scientifically as per the guidance document provided by CPCB/MoEF&CC. Funds for remediation may be borne by the responsible party. In case of orphan sites, SPCBs may approach State Government for assessment and remediation in larger public interest of protecting health of people living in impact zone.
- (xi) Maharashtra and Andhra Pradesh States have informed that environmental site assessment is in progress at 7 sites. These sites include Uranium Corporation of India, Kadapa, Andhra Pradesh and LG Polymers site in Vishakhapatnam, Andhra Pradesh. 5 Sites in Maharashtra are Mithi River, Industrial areas of Deonar, Tarapur and Nashik. Details of sites is given at **Annexure-VIII**.
 - (xii) With regard to directions of Hon'ble NGT that 5 sites should be remediated within a period of 6 months, remediation works have been initiated in 3 sites in Odisha and 2 sites in UP where tendering process is underway. In addition, one more site in Kerala has also been initiated tendering process. Details of these sites are given at **Annexure-IX**.
 - (xiii) It is observed that remediation works are under progress in 8 sites in 5 states. SPCBs/PCC are required to monitor these sites to check whether remediation works are carried as per DPRs and meet site specific target levels for clean-up. Details of these sites along with observations is given at **Table-3**.

Table-3: List of 8 sites for which remediation works initiated by Responsible Parties:

S. No.	Name of the Site	Action taken/Initiated by SPCB	Observations
Gujarat (02)			
1.	Effluent Channel Project Limited (ECPL), Baroda Effluent Canal, Vadodara District	i) In groundwater samples Color, Phenolic compound, Sulphate, Chloride & TDS are reported higher than acceptable limit of BIS. ii) Remediation work is undertaken by Dye-manufacturing and	GPCB may monitor target levels periodically. Responsible party may be directed to submit monthly or quarterly progress reports.

S. No.	Name of the Site	Action taken/Initiated by SPCB	Observations
		Pharmaceutical industries (Responsible Parties).	
2.	Swastik Organic, Sabar Dairy Road, Piplodi, Gujrat	<p>i) Hazardous waste lying at the site was already lifted and shifted to TSDF.</p> <p>ii) In the downstream at village Boriya Khurad, about 7 to 8 bore wells reported as contaminated with reddish brown coloured water.</p> <p>iii) In this regard, it is also reported that crops like wheat, cotton & castor are irrigated with this colored water.</p> <p>iv) GW samples collected and reported about 200 Pt Co yellowish color.</p> <p>The responsible party has awarded the remediation work to GITCO.</p>	<p>Subsequent to lifting, soil contamination may still remain at the site. GPCB may carry out GW, SW and sediment sampling.</p> <p>Responsible party may be directed to submit monthly or quarterly progress reports.</p> <p>Status report may be updated GSPCB at website and submit to CPCB.</p>
Jharkhand (01)			
3.	Roro hills, Jharkhand - 833201	<p>Detailed investigation report on "Rehabilitation of Roro abandoned asbestos mines" along with remediation status as per direction of Hon'ble NGT is submitted.</p> <p>It was informed that, remedial action has been taken by Dept. of Mining, Jharkhand.</p>	Jharkhand PCB may monitor progress or remediation works, and status report may be updated from time to time at website and submit to CPCB.
Maharashtra (01)			
4.	M/s Godavari Bio-Refineries, Ahmed Nagar District, Maharashtra	Contaminated groundwater is being remediated by applying Bioremediation technique since September, 2017 and the same is underway.	MPCB should monitor progress status report may be updated at website and submit to CPCB from time to time.
Tamil Nadu (02)			
5.	M/s HUL, Kodaikanal, Tamil Nadu	Trail remediation has been done by M/s HUL. TNPCB had approved Consent to Establish for	TNPCB may monitor remediation works being

S. No.	Name of the Site	Action taken/Initiated by SPCB	Observations
		execution of soil remediation activity. All requisite machineries have already been installed for soil remediation.	undertaken by Responsible party. Status report may be updated at SPCB's website and also submit to CPCB.
6.	Tondairpet, Chennai, Tamil Nadu	Remediation work is undertaken by M/s BPCL since 2016.	
Uttar Pradesh (02)			
7.	Industrial Area Meerut Road, Ghaziabad, Uttar Pradesh	Cr(VI) in groundwater is remediated by applying: (i) Pump & Treat (P&T) technique,	UPPCB may monitor remediation work undertaken by Responsible Party and upload status report at its website and also submit to CPCB from time to time.
8.	Lohia Nagar C Block, Ghaziabad	(ii) Bioremediation technique, Remediation work is underway since 2012.	

4.3 Observations and Recommendations

1. In compliance to directions of Hon'ble NGT, SPCBs/PCC have reported that 14 sites in 7 States as non-contaminated and 168 sites are yet to be investigated. As per reports, site investigation were carried out with limited sampling in most cases 1 or 2 samples. Conclusion may not be drawn even if concentrations levels are within screening criteria as there may be scope of missing pocket of contaminated matrices in adjoining of areas. Therefore prior to declaring the site as non-contaminated, SPCBs/PCC may conduct systematic investigation as per Reference Document issued by CPCB. Findings of the report may be placed at SPCB/PCC website and also submit to CPCB from time to time.
2. As per directions of Hon'ble NGT dated 01.07.2020, 5 sites should be taken for remediation and executed within a period of six months. In compliance, 3 contaminated sites in Odisha have been initiated remediation works and for other 2 sites in UP tendering process is underway. In addition, 1 site in Kerala has also been initiated tendering process. In this regard, it is submitted that remediation projects are relatively new in the country where there is no standardization in tendering process and limited experience in execution, hence execution of remediation works may take more time than normal civil works. However, SPCBs/PCC should direct the concerned responsible agencies to expedite the process and realistic timeline should be monitored strictly.

3. 3 out of 21 States/UT namely Odisha, West Bengal and Delhi have requested more time for completion of preliminary site investigation of the sites and to submit compliance reports, due to on-going pandemic situation.
4. As per status report, hazardous waste is still lying at 8 sites in 5 States for which DPRs have already been prepared or under completion (for kind reference at **Annexure-V**). Action for shifting of hazardous waste initiated in 3 sites in Odisha. In this regard, it is submitted that open dumping of hazardous waste will result in continuous and active release of contaminants to soil and groundwater and thereby the contaminated plume may increase gradually, this may also impact cost of remediation adversely. Therefore, it is essential to lift hazardous waste immediately to contain further damage to environment. SPCBs/PCCs may therefore direct all responsible parties to immediately lift the waste and dump at common hazardous waste treatment, storage and disposal facilities (TSDFs). In case of orphan sites, this work may be carried out by respective State Governments to protect public health.
5. CPCB may continue to maintain a centralized list of contaminated sites for which SPCBs may update the list periodically supplementing with site specific data. The data may be uploaded on websites and SPCBs and CPCB.
6. As per the status reports, Empowered Monitoring Committees (EMC) has been constituted by Odisha State, rest of the States have not constituted EMC for monitoring of Remediation Plan.
7. SPCBs/PCC may recognize remediation of contaminated sites as a regular activity. Dedicated teams and infrastructure may be developed by SPCBs/PCC to identify the sites, monitor and regulate the remediation as per MoEF&CC and CPCB guidance documents.
8. In case of orphan sites, SPCBs may approach State Government to prepare DPRs and execute remediation works. In cases where polluter or the responsible party is identified, SPCBs may direct the party to bear the cost and execute remediation works with prior authorization from SPCBs/PCC. In case the responsible party fail to remediate, the cost of remediation may be recovered as per polluter pays principle.
9. SPCBs/PCC should direct the responsible parties to immediately lift the hazardous waste still lying at dumpsites.
10. SPCBs/PCC may take follow-up actions as per the State specific observation of CPCB given at **Annexure VI**.



Annexure-IV

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**

F. No. B-29016/CS(16)-NGT/2019/WM-I/

October 16, 2020

Sub: Minutes of the meeting with SPCBs/PCC, held on 02.09.2020 to review the compliance status of Hon'ble NGT in the matter of O.A. No. 804 of 2017 order dated 01.07.2020 (uploaded dated 07.07.2020); Rajiv Narayan & Anr. Vs. Uol & Ors w.r.t contaminated sites in India – reg

Sir/Madam,

This has reference to the meeting with SPCBs/PCC held through VC on 02.09.2020 to review the compliance of Hon'ble NGT order dated 01.07.2020 (uploaded on 07.07.2020) in the matter of the O.A. No. 804 of 2017, regarding contaminated sites. In this regard, please find enclosed minutes of the meeting containing observations and recommendations of CPCB for ready reference.

It is requested to kindly expedite the follow-up action for assessment and remediation of contaminated sites in the State/UT and furnish the compliance reports on or before 31.10.2020. List of contaminated sites pertaining to respective States/UT is also enclosed for information and reference.

Yours faithfully,


(B. Vinod Babu)

Addl. Director & Head,
Waste Management Division-I

Encl.: As above

To,

1. The Member Secretary
Andhra Pradesh Pollution Control Board
D.No. 33-26-14 D/2, Near Sunrise Hospital,
Pushpa Hotel Centre, Chalamvari Street,
Kasturibaipet, Vijayawada – 520 010
2. The Member Secretary
Pollution Control Board Assam
Bamunimaiden, Guwahati – 781 021
3. The Member Secretary
Chhattisgarh Environment Conservation Board
Paryavas Bhawan, North Block Sector-19,
Naya Raipur (C.G.)- 490099
4. The Member Secretary
Delhi Pollution Control Committee
4th Floor, ISBT Building,
Kashmere Gate,
Delhi-110006

5. The Member Secretary
Goa Pollution Control Board
Near Pilerne Industrial Estate,
Oppo. Saligao Seminary, Saligaon-Bardez
Goa - 403511
6. The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhawan Sector 10-A,
Gandhi Nagar – 382 043
7. The Member Secretary
Himachal Pradesh Pollution Control Board
Him Parivesh Phase-III, Below BCS,
New Simla A-9 – 171 009
8. The Member Secretary
Haryana Pollution Control Board
C-11, Sector-6 Panchkula, Chandigarh
Haryana-134109
9. The Member Secretary
Jharkhand State Pollution Control Board
T.A. Building, HEC, P.O. Dhurwa,
Ranchi-834 004
10. The Member Secretary
Kerala Pollution Control Board
Pattom P.O. Thiruvananthapuram-695004
11. The Member Secretary
Karnataka State Pollution Control Board
Parisara Bhawan, 1st to 5th Floor,
49, Church Street,
Bengaluru-560001
12. The Member Secretary
Maharashtra Pollution Control Board
Kalptaru Point, 3rd & 4th floor,
Opp. Cine Planet, Sion Circle,
Mumbai-400 022.
13. The Member Secretary
Madhya Pradesh Pollution Control Board
Paryavaran Parisar, Sector E-5,
Arera Colony, Bhopal – 462 016
14. The Member Secretary
State Pollution Control Board Odisha
Paribesh Bhawan, A-118,
Nilakantha Nagar, Unit-VIII
Bhubaneswar – 751 012

15. The Member Secretary
Punjab Pollution Control Board
Vatavaran Bhawan, Nabha Road
Patiala – 147 001
16. The Member Secretary
Rajasthan State Pollution Control Board
4, Jalana Doongri Institutional Area
Jaipur Rajasthan – 302 004
17. The Member Secretary
Telangana Pollution Control Board
Paryavaran Bhawan, A-III
Institutional Estate, Sanathnagar
Hyderabad – 500018.
18. The Member Secretary
Tamil Nadu Pollution Control Board
76, Mount Salai, Guindy,
Chennai – 600 032
19. The Member Secretary
Uttar Pradesh Pollution Control Board
Building No. TC-12V
Vibhuti Khand, Gomti Nagar
Lucknow – 226 010
20. The Member Secretary
Uttarakhand Pollution Control Board
6B, IT Park, Sahastradhara Road, Uttarakhand.
21. The Member Secretary
West Bengal Pollution Control Board
Paribesh Bhawan, 10A, Block- LA,
Sector III, Salt Lake City,
Calcutta – 700 106

Minutes of Interaction Meeting with SPCBs/PCC to review the compliance status of Hon'ble NGT in the matter of O.A. No. 804 of 2017 order dated 01.07.2020 (uploaded dated 07.07.2020); titled as Rajiv Narayan & Anr. Vs. UoI & Ors w.r.t contaminated sites in India

In compliance of Hon'ble NGT order dated 01.07.2020 (uploaded on 07.07.2020) in the matter of the O.A. No. 804 of 2017, regarding contaminated sites, a meeting with concerned officials of SPCBs/PCC was held through VC on 02.09.2020 to review the compliance status. The meeting was chaired by Head, Waste Management Division-I, CPCB. Meeting was attended by Member Secretaries/Senior officials of SPCBs/PCC namely; Andhra Pradesh, Assam, Chattisgarh, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh, Uttarakhand & West Bengal and dealing officials of CPCB. List of participants is given at Annexure-I.

After briefing on agenda of the meeting, a presentation was made by CPCB on status of compliance to action points specified in orders passed by Hon'ble NGT with respect to identification, assessment and remediation of contaminated sites. Subsequently, State specific status was discussed as below:

1. **Andhra Pradesh:** There are 03 sites identified as Probable contaminated sites (PCS) in AP. APPCB has informed that re-sampling activity has been initiated. CPCB has requested APPCB to enlist the premises of M/s LG Polymer, Visakhapatnam, AP and its adjoining discharge streams as probable contaminated sites for styrene.
2. **Assam:** There are 04 sites in Assam; wherein, 02 sites identified as PCS and other 02 sites as contaminated sites (CS). APCB has informed that re-sampling activity has been initiated.
3. **Chattisgarh:** There are 05 sites in Chattisgarh; wherein, 03 sites identified as PCS and other 02 sites as CS. Chhattisgarh Environment Conservation Board (CECB) has communicated action taken reports for said 05 probable/contaminated sites vide its email dated 13.07.2020. It was suggested that CECB may carry out preliminary site investigation including sampling of all possible matrix and furnish Inspection reports with analysis reports of chemicals of concern (CoCs) along with general parameters and heavy metals.
4. **Delhi:** There are 26 sites in Delhi; wherein 14 sites identified as PCS and other 12 sites as CS. During the meeting, DPCC informed that the following:

- i) 02 probable sites were reported as repeat;

1.	Road side and in front of A-5, Lawrence road industrial area, New Delhi-110035
2.	Road side & in front of C-58/1, Essco Sanitations, National Capital Territory (Delhi) Wajirpur Industrial Area-110052

- ii) 01 contaminated site (at S. No. 1), namely: 'Mandoli & Seelampur E-Waste site' falls under UP state.

Hence, requested that aforesaid 03 sites may be considered for de-listing.

DPCC yet to complete inspection of remaining identified sites with adequate analysis of soil/sediment/groundwater. It was requested that DPCC may submit a report supported with analysis results and photographs as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.

5. **Goa:** There are 02 sites identified as CS in Goa. Goa PCB has informed that waste has been lifted from one of the said sites, i.e. Quarry located at Village Pilium of Dhar Bandora. However, it was suggested that investigation of said site is needed to ascertain the level of residual contamination in soil and groundwater. In case of other site, Goa PCB has informed that re-sampling activity has been initiated.
6. **Gujarat:** There are 23 sites; wherein 15 sites identified as PCS and other 08 sites as CS in Gujarat. Gujarat PCB has requested to consider their previous site reports supported with analysis results. However, GSPCB was informed that following gaps have been observed in said reports:
 - i) Sampling of groundwater/surface water/sediment is not carried out,
 - ii) Analysis report awaited for few sites,
 - iii) Heavy metals in soil were analysed by using TCLP extraction method, where as threshold values need to be reported.

Therefore, it was requested to revise site wise investigation report supported with information as per prescribed format given in CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.

7. **Himachal Pradesh:** There are 06 sites in HP; wherein 05 sites identified as PCS and other 01 site as CS. In this regard, HPPCB has informed that waste has been removed from all of the sites and disposed off to TSDF. Further, HPPCB requested to consider their latest site-wise inspection report along with analysis results.
8. **Haryana:** There are 17 sites in Haryana; wherein 13 sites identified as PCS and other 04 sites are as CS. Haryana SPCB has informed that re-sampling activity has been initiated as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.
9. **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 investigation report on "Rehabilitation of Roro abandoned asbestos mines" along with remediation status was submitted and informed that remedial action has been taken by Dept. of Mining, Jharkhand. In this regard, Jharkhand SPCB was requested to submit present status of remediation works carried out so far. For remaining sites, Jharkhand SPCB has informed that re-sampling activity has been initiated, as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.

10. **Karnataka:** There are 25 sites in Karnataka; wherein, 09 sites identified as PCS and other 06 sites are as CS. Karnataka SPCB has informed that re-sampling activity has been initiated as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.

11. **Kerala:** There are 10 sites in Kerala; wherein 06 sites identified as PCS and other 04 sites are as CS. As informed by Kerala SPCB, some GPS co-ordinates are mismatched with provided list of the sites. In this regard, it was suggested to follow the address and update GPS co-ordinates accordingly. In case of CS at Kuzikundam Thodu (Creak), Eloor, Kerala SPCB informed that tendering process is under progress to execute remediation work. In case of CS at Edyaar, Kerala SPCB was requested to issue direction to responsible to remediate the contaminated sites; else, environmental compensation may have to be paid at the rate of Rs. 10 lakh per site as per Hon'ble NGT order dated 26.08.2019.

12. **Madhya Pradesh:** There are 20 sites in MP; wherein 16 sites identified as PCS and other 04 sites are as CS. In this regard, MPPCB has informed that they had submitted site wise inspection report along with analysis results. However, it was informed that the reports have following gaps:

- i) Sampling of groundwater/surface water/sediment is not carried out,
- ii) Heavy metals in soil were analysed by using TCLP extraction method instead of total threshold values in mg/kg.

Therefore, MPPCB is requested to revise site wise investigation reports as per the format given in Reference document on 'Identification, Inspection and Assessment of Contaminated Sites' prepared by CPCB.

13. **Maharashtra:** There are 06 sites in Maharashtra; wherein 03 sites identified as PCS and other 03 sites are as CS. In this regard, Maharashtra PCB has informed that assessment work has been awarded to CSIR-NEERI, Nagpur. Therefore, MPCB was requested to revise site wise investigation reports as per the formats prescribed in CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.

14. **Odisha:** There are 32 sites in Odisha; wherein, 09 sites identified as PCS and other 23 sites are as CS. Odisha SPCB has informed the following:

- i) Preliminary assessment was completed for all sites.
- ii) For mercury contaminated site at Ganjam, remediation work is initiated.
- iii) For chromium contaminated site at Talcher, no progress report is obtained regarding disposal of wastes from the site. In this regard, CPCB requested to OSPCB to issue direction to polluter industry; else, environmental compensation may be levied at the rate of Rs. 10 lakh as per Hon'ble NGT order dated 26.08.2019.

- iv) For remaining sites, OSPCB has informed that re-sampling activity has been initiated, as per CPCB Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.
- 15. Punjab:** There are 09 sites in Punjab; wherein 03 sites identified as PCS and other 06 sites are as CS. Punjab PCB has informed that re-sampling activity has been initiated as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.
- 16. Rajasthan:** There are 11 sites in Rajasthan; wherein, 09 sites identified as PCS and other 02 sites are as CS. No information was received till date. In this regard, Rajasthan SPCB informed that RSPCB has been initiated the sampling activity as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.
- 17. Tamil Nadu:** There are 11 sites in TN; wherein 05 sites identified as PCS and other 06 sites are as CS. TNPCB has informed the following:
- i) TNPCB informed that assessment work was initiated as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.
 - ii) For mercury contaminated site at Kodaikanal, remediation work is about to start.
 - iii) For BPCL oil-contaminated site at Tondiarpet, remediation work is on-going.
- For chromium contaminated site at Ranipet, no information is received regarding lifting/disposal of wastes from the site. CPCB requested TNPCB to follow-up the matter with State governemen for execution of DPR prepared under NCEF Project.
- 18. Telangana:** There are 09 sites in Telengana; wherein 07 sites identified as PCS and other 02 sites are as CS. TSPCB has informed that re-sampling activity has been initiated as per CPCB Reference document on 'Identification, Inspection and Assessment of Contaminated Sites',.
- 19. Uttarakhand:** There are 09 sites in Uttarakhand; wherein 08 sites identified as PCS and other 01 sites is as CS. Uttarakhand SPCB has informed that re-sampling activity has been initiated as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites'.
- Further, 01 PCS (ref. S.No. 3), namely: 'Sansarpur Village, Chutmulpur Road, Saharanpur, Uttarakhand Pincode-247551' pertains to UP state. Hence, this site may transfer to UP-state. Therefore, the total no. of sites in UK is revised to 08.
- 20. Uttar Pradesh:** There are 42 sites in UP; wherein 17 sites identified as PCS and other 25 sites are as CS. Since 02 more sites are to be transferred from from Delhi (01 CS) & Uttarakhand (01 PCS), respectively and enlisted in UP state. Therefore, the total no. of sites is revised to 44. UPPCB has informed the following:

- i) For chromium contaminated sites at Lohianagar, remediation work is on-going and joint site-inspection regarding source identification may be done in association with RO-Ghaziabad.
- ii) For chromium contaminated sites at Rania, remediation work is awarded to UPSIDA and it will be start by this months.
- iii) For pesticides contaminated sites at Deva Road, no information is received regarding lifting/disposal of wastes from the site, for which CPCB requested UPPCB to consider appropriate direction to responsible industry; Further, environmental compensation may imposed at the rate of Rs. 10 lakh per site as per Hon'ble NGT order dated 26.08.2019.
- iv) As per CPCB Reference document on 'Identification, Inspection and Assessment of Contaminated Sites', UPPCB has informed that re-sampling activity has been initiated.

21. West Bengal: There are 07 sites in WB; wherein, 06 sites are identified as PCS and 01 site is as CS. For chromium contaminated site at Nibra, WBPCB informed that that remediation work is delayed due to COVID-19 pandemic. Further, WBPCB has informed that re-sampling activity at PCS is yet to be initiated.

Recommendations:

S. No.	Activity	Revised Target
i.	In case of Probable contaminated sites, SPCBs/PCC shall carry out Preliminary site investigation as per "Reference document on Identification, Inspection and Assessment of Contaminated Sites" prepared by CPCB. Site investigation report shall be submitted to CPCB for further examination [as word (.docx) form] as per format prescribed in aforesaid Reference Document.	On or before 30th October, 2020
ii.	In case of contaminated sites, Action Plan to carry out Detailed investigation study may be submitted to CPCB.	On or before 30th October, 2020.
iii.	SPCBs/PCC shall carry out detailed site investigation, as per aforesaid "Reference Document" prepared by CPCB and "Guidance document on Assessment and Remediation of contaminated sites in India" issued by MoEF&CC.	In 2 months after acceptance on Action Plan by CPCB
iv.	Sites where DPR is required, SPCBs/PCC shall initiate preparation of DPR by engaging reputed remediation consultant with intimation to CPCB.	In 6 months after completion of detailed investigation study

S. No.	Activity	Revised Target
v.	Sites where DPR prepared, SPCBs/PCC shall execute remediation works by engaging reputed contractor with intimation to CPCB.	On or before 25 th November, 2020
vi.	SPCBs/PCC shall ensure lifting of hazardous waste still accumulated at sites, wherein DPRs already prepared under NCEF Project.	On or before 25 th November, 2020.
vii.	SPCBs/PCCs to ensure that the hazardous waste accumulated/lying at all such identified sites/any new sites shall be disposed off either through TSDF or on-site SLF on priority to stop further contamination. Wherein, HW is lifted/removed from such sites, SPCB/PCC shall carryout detailed investigation study followed by remediation, if needed (<i>as specified above ii & iii</i>)	On or before 15 th November, 2020.
viii.	SPCBs/PCC are requested to enlist new site if found any due to anthropogenic activity. Chemicals of Concerns (CoCs) may be decided based on site inspection/historical activity.	Quarterly status may be submitted to CPCB
ix.	The Committee for effective implementation of remediation plan at state level, Empowered Monitoring Committee chaired by Secretary, Environment Dept. having representatives from Industries Dept., SPCB/ PCC, CGW/SGWA, relevant Experts, etc. shall be constituted.	On or before 15 th November, 2020.



List of officials participated (through VC)**CPCB Officials**

1. Sh. B. Vinod Babu, Additional Director & Head, WMD-I, Delhi - Chaired the meeting
2. Sh. G. Rambabu, Scientist-D, WM-I, CPCB, Delhi
3. Dr. Gargi Biswas, RA, WM-I, CPCB, Delhi

SPCB/PCC Officials

1. Dr. D. N. Das, Member Secretary, Assam PCB
2. Ms. Shailaja Deval, IFS, Member Secretary, RSPCB
3. Sh. Ashish Tewari, Member Secretary, UPPCB
4. Mr. S.P. Subudhi, Member Secretary, UKPCB
5. Sh. P.K. Dutta, Executive Engineer, Assam PCB
6. Sh. M. Jadav, AEE, Haryana PCB
7. Sh. Utsab Sharma, AEE, RO (Ghaziabad), UPPCB
8. Sh. Nandkumar Gurav, SO, Maharashtra PCB
9. Sh. Ravindra Babu, EE, APPCB
10. Sh. D. M. Thaker, SEE, Gujarat PCB
11. Sh. Sh. T. K. Gupta, CEE, WBPCB
12. Sh. H. S. Malviya, SE, MPPCB
13. Dr. Manoj Chauhan, Sr. Scientific Officer, HPPCB
14. Sh. R. Kannan, ACEE, TNPCB
15. Ms. Sumithra, Kerala SPCB
16. Sh. Surinder Singh & Sh. Rajesh Kumar, SSO, PPCB
17. Sh. P.S. Pankaj, EE, DPCC
18. Sh. D. Narendar, SEE, Telangana SPCB
19. Dr. A. K. Swar, CEE, OSPCB
20. Sh. P. C. Rauta, SEE, OSPCB
21. Dr. Ram Karan, RO (Unnao), UPPCB
22. Sh. Vivek Rai, RO (Muzaffarnagar), UPPCB
23. Sh. A. K. Anand, RO (Kanpur-Dehat), UPPCB
24. Ms. V. Kathikeyan, EO, Karnataka PCB

Annexure-V

Revised list of sites giving details of assessment and actions initiated by SPCBs/PCC

S. No.	States/UTs	Status submitted before Hon'ble NGT in June, 2020 Total Sites (PCS +CS)	De-listed sites	Updated status as Dec, 2020			HW lying at site	Preliminary Assessment	Identified site for remediation	
				Total Sites ¹	Probable Sites (PCS)	Contaminated Sites (CS)			Detailed Investigation and DPRs	Remediation Works
1	Andhra Pradesh	3 (3+0)		4 ¹	4	0		2		
2	Assam	4 (2+2)		4	2	2				
3	Chhattisgarh	5 (3+2)		5	3	2				
4	Delhi (NCR)	26 (14+12)	3	23	12	11				
5	Goa	2 (1+1)		2	1	1				
6	Gujarat	23 (15+8)		23	15	8				2
7	Haryana	17 (13+4)	3	14	10	4				
8	Himachal Pradesh	6 (5+1)	2	4	3	1				
9	Jharkhand	14 (12+2)		14	12	2				1
10	Karnataka	25 (19+6)		25	19	6				
11	Kerala	10 (6+4)	1	9	5	4	1		3	1 ²
12	Madhya Pradesh	20 (14+6)		20	14	6	1		3 ³	
13	Maharashtra	6 (3+3)		6	3	3		5		1
14	Odisha	32 (9+23)		32	9	23	4(3 ⁴)		1	3 ²
15	Punjab	9 (3+6)		9	3	6				
16	Rajasthan	11 (9+2)	1	10	8	2				
17	Tamil Nadu	11 (5+6)		11	5	6	1		1	2
18	Telangana	9 (7+2)		9	7	2			1	
19	Uttar Pradesh	42 (17+25)	1	43 ¹	22	21	1		7	
20	Uttarakhand	9 (8+1)	3	6	5	1				4 (2 ²)
21	West Bengal	7 (6+1)		7	6	1			1	
Total		291 (175+116)	14	280	168	112	8	7	17	14

¹ New sites.² As per directions of Hon'ble NGT direction dated 01.07.2020 that is immediately 5 sites should be taken for remediation and executed within a period of six months, 3 in Odisha have been initiated remediation works and other 2 sites in UP tendering process is underway. In addition, 1 site in Kerala has also been initiated tendering process.³ DPR preparation is underway.⁴ Remediation work initiated, however shifting of HW in a SLF is about to execute.

State wise compliance status on Action taken by SPCBs/PCCs is given below:

1. Andhra Pradesh

Andhra Pradesh Pollution Control Board (APPCB) has submitted action taken reports vide its email/letter dated 10.11.2020 as per the format of “Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)” provided by CPCB for following 04 probable/contaminated sites in Andhra Pradesh. Accordingly, the reports were examined and made the following observations and suggestions are as below:

S. No.	Name of the Site	CS/ PCS	Action taken by APPCB	Observations/ Suggestions of CPCB
1	Madhurawada, Vishakhapatnam , Andhra Pradesh – 530048	PCS	<p>i. APPCB has inspected the site followed by sampling of groundwater (GW), leachate and soil in and around the MSW dumpsite located at Madhurawada, Vishakhapatnam.</p> <p>ii. Analysis result reveals that:</p> <ul style="list-style-type: none"> Chemical of concerns (CoCs) and other heavy metals in GW samples are within the screening levels/standards. However, Mercury, TDS, chlorides and nitrates concentration levels are exceeded the prescribed limit of BIS drinking water standard. In leachate samples, high TDS & COD is reported. 	<p>As it is 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.</p> <p>Leachate sample may be analysed for CoCs along with other heavy metals.</p> <p>Further, few more GW samples in downstream may be carried out nearby the dumpsite and submit analysis report as per the Reference document on Identification, Inspection and Assessment of Contaminated Sites.</p>
2	M/s Rithwik Energy Systems (biomass power plant), Rachagunneri, Chittoor district,	PCS	APPCB has inspected the site followed by sampling of soil and GW. Analysis result of GW samples reveals no contamination.	It is observed that analysis results of soil samples collected, is not submitted.

S. No.	Name of the Site	CS/ PCS	Action taken by APPCB	Observations/ Suggestions of CPCB
	Andhra Pradesh-517325			<p>Therefore, APPCB may submit analysis report of soil samples collected with CoCs, general parameters & heavy metals.</p> <p>If analysis results of soil samples collected exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.</p>
3	Uranium Tailings pond of M/s. UCIL, Tummalapalli, Kadapa District, AP	PCS	<p>“New site”, identified through Public complaint.</p> <p>Accordingly, APPCB informed that the study has been awarded to group of Institutions namely, IIT-Madras, Sri Venkateswara Institute of Medical Sciences, ICAR-Indian Agricultural Research Institute & National Research Centre for Banana, TN for identifying source of GW contamination, Environmental epidemiological & toxicology and fact finding survey.</p> <p>However, due to the current Covid-19 pandemic situation, they have been unable to collect additional samples for the past 6 months which has caused unexpected delays for completion of the project and pending work is expected to be completed between 6-8 months from now, if there is no further deterioration of pandemic situation.</p>	<p>APPCB may submit progress report of the on-going site investigation study to CPCB.</p>

S. No.	Name of the Site	CS/ PCS	Action taken by APPCB	Observations/ Suggestions of CPCB
4.	M/s L. G. Polymers (I) Pvt. Ltd., R.R. Venkatapuram, Pendurthy Mandal, Vishakhapatnam , AP-530029	PCS	<p>“New site”, In reference to the Styrene Leak at M/s LG Polymers Pvt Ltd, Visakhapatnam, Andhra Pradesh, the Hon’ble NGT, Principal Bench, taken up the matter on suo-motu in O.A. No. 73/2020 vide orders dated 08.05.2020.</p> <p>APPCB has informed that in compliance to the Hon’ble NGT order dated 01.06.2020 in O.A No. 73 of 2020, a study on “Assessment of environmental damages and preparation of restoration plan for air, water & soil environment due to styrene gas leakage incident at Visakhapatnam” has been awarded to NEERI, Hyderabad on 09.09.2020 by CPCB.</p>	APPCB may submit progress report of the study to CPCB.

Assam

Assam PCB has submitted action taken reports vide its email dated 01.12.2020 as per the format of “Preliminary Investigation Report on contaminated sites (CS)/probable contaminated sites (PCS)” provided by CPCB for following 04 probable/contaminated sites in Assam. Accordingly, the reports were examined and made the following observations and suggestions are as below:

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Assam PCB	Observations/ Suggestions of CPCB
1.	Tulsibari, Rangia, District-Kamrup, Assam	CS	<p>Assam PCB has inspected the site followed by sampling of surface water (SW), GW and soil.</p> <p>i) Analysis result of GW samples reveals Copper, & Cadmium concentration is higher than the prescribed limit of BIS drinking water standard. COD is also reported.</p>	<p>Assam PCB may carry out:</p> <p>i) Preliminary site investigation as per the Reference document of CPCB to ascertain extent of contamination and submit the report to CPCB.</p> <p>ii) During preliminary investigation, sediment sampling</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Assam PCB	Observations/ Suggestions of CPCB
			ii) Analysis results of soil and SW samples reveals no contamination.	may also be carried out (if available) and submit analysis results of CoCs, general parameters & heavy metals.
2.	Jeypore Coalfield, Namrup, Tinsukia, Assam-786614	CS	Assam PCB has inspected the site followed by sampling of soil and GW. i) Analysis result of GW samples reveals no contamination, except COD . ii) Analysis results of soil samples reveal no contamination.	Assam PCB may carry out few-more GW samples along with SW/sediment to ascertain the quality & extent of contamination and submit the report to CPCB.
3	Dhemaji district, Assam-787058	PCS	i) Assam PCB has inspected the site followed by sampling of soil and SW. ii) Analysis result of soil and SW samples reveals no contamination.	Assam PCB may carry out sampling of GW/sediment and submit analysis results of CoCs with general parameters & heavy metals.
4	Hindustan Paper Corporation Limited, Jagiroad, Morigaon district, Assam-782413	PCS	i) Assam PCB has inspected the site followed by sampling of SW, soil and GW. ii) Analysis result of GW samples reveals lead concentration is higher than the prescribed limit of BIS drinking water standard. iii) Analysis result of soil samples reveals no contamination.	Assam PCB may carry out: i) Preliminary site investigation as per the Reference document of CPCB to ascertain extent of contamination and submit the report to CPCB. ii) During preliminary investigation, sediment sampling may also be carried out (if available) and submit analysis results of CoCs, general parameters & heavy metals.

Chhattisgarh

Chhattisgarh Environment Conservation Board (CECB) has submitted action taken reports vide its email/letter dated 13.07.2020 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 waste and GW samples and observed that: i. The said location is at slag dump area of new open hearth furnace of Bhilai plant. Acid tar sludge is dumped after neutralize with lime. ii. Iron-scrape was found at the dump site. iii. Waste and GW samples collected, analysis result reveals no contamination.	It is observed that soil/surface water/sediment sampling is not done. Therefore, CECB may: i) carry out soil/surface water/sediment sampling and submit report along with analysis results of CoCs, general parameters and heavy metals. ii) dispose of iron-scrap found at the site in a secure manner and collect few soil samples and analyze as above.
2.	BALCO, Korba	CS	CECB has inspected the site followed by sampling of GW. Analysis result of GW samples with limited parameters reveals no contamination.	It is observed that soil sampling is not done and also observed that limited parameters were analysed for GW samples. CECB may carry out soil /SW/sediment sampling and submit report comprises site visit photographs and analysis result of CoCs, general parameters and heavy metals.
3	Muckdum Side Bhilai-3 Bhilai steel plant-491000	PCS	CECB has inspected the site and it is observed that Sports Complex was constructed at the identified premises.	CECB may carry out few GW samples around the premises of Sports complex to ascertain the quality of GW and

S. No.	Name of the Site	CS/ PCS	Action taken by Chhattisgarh ECB	Observations/ Suggestions by CPCB
				submit analysis results of general parameters and heavy metals.
4	Nandini-Khundani Abandoned Mines, bhilai, Distt.-Durg; Near M/s Vishnu Chemicals, Industrial Area, Bhilai.491001	PCS	<p>CECB has inspected the site and, it is observed that:</p> <p>i) at the site, abandoned lime-stone mining activity was in operation. Thereafter, a SLF was developed to dispose off the leach mud generated during April, 2003 to April, 2008. Since 2008, it was closed.</p> <p>ii) no hazardous waste was found at the site, except a chemical tank.</p> <p>iii) sampling of SW, GW and soil were carried out, analysis result of limited parameters reveals no contamination.</p>	<p>It is observed that, analysis of CoCs along with general parameters is not done for SW, GW and soil samples. It is also observed that sediment sampling is not done.</p> <p>CECB may carry out few more samples of SW, GW, soil & sediment and submit analysis result of general parameters and heavy metals.</p>
5.	Lal Ghat Risdi Area, near M/s Balco Korba-495677	PCS	CECB has inspected the site followed by GW sampling. Analysis result of GW samples with limited parameters reveals no contamination.	<p>It is observed that soil sampling is not done and also observed that limited parameters were analysed for GW samples.</p> <p>CECB may carry out preliminary site investigation including sampling of all possible matrix and submit report comprises site visit color photographs and analysis result of CoCs, general parameters and heavy metals.</p>

Delhi

Delhi Pollution Control Committee (DPCC) has communicated regarding action initiation for 26 probable/contaminated sites vide its letter dated 31.08.2020; wherein 14 sites identified as PCS and other 12 sites as CS. During the interaction meeting held with SPCBs/PCC, wherein DPCC informed as below:

- I. The following 02 probable sites are repeated in the list of contaminated sites identified in Delhi;
 - i) Road side and in front of A-5, Lawrence road industrial area, New Delhi-110035
 - ii) Road side & in front of C-58/1, Essco Sanitations, National Capital Territory (Delhi) Wajirpur Industrial Area-110052
- II. 01 contaminated site (i.e. at S. No. 1), namely: 'Mandoli & Seelampur E-Waste site' is fall in the state of UP.

Therefore, it is submitted that the aforesaid 03 sites are to be de-listed from the list of probable/contaminated sites identified in Delhi and revised to 23. DPCC yet to complete the inspection and assessment of identified sites. DPCC may submit a reports supported with analysis results of CoCs, general parameters and heavy metals along with site visit photographs as per CPCB's Reference document on 'Identification, Inspection and Assessment of Contaminated Sites. Further, analysis results of the samples collected exceeds standards/levels, detailed site investigation may be carried out based on the Guidance document on assessment and remediation of contaminated sites published by MoEF&CC.

Goa

Goa PCB has submitted action taken report vide its email/letter dated 10.12.2020 as per the format of "Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)" provided by CPCB for following 2 contaminated sites in Goa. 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/initiated by Goa PCB	Observations/ Suggestions of CPCB
1.	M/s Sunrise Zinc Ltd, Plot No. L-2 & M/S Nicomet Industries Ltd Plot no, L-15,19 & 20, Cunicolum Industrial Estate, Punjim, Goa	CS	Goa PCB has inspected the site followed by sampling of soil and groundwater. Analysis report is awaited.	Goa PCB shall submit analysis report of soil & GW samples. Further, it is observed that surface water and sediment sampling is not done. Therefore, Goa PCB may carry out SW and sediment samples and submit analysis report for CoCs, heavy metals

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Goa PCB	Observations/ Suggestions of CPCB
2.	Quarry located in Village Pilium of Dhar Bandora, Goa-403401	PCS	Goa PCB has inspected the site followed by sampling of soil and groundwater. Analysis report is awaited. *However, as per previous report, analysis results of soil samples revealed that soil was contaminated with Chromium & Arsenic .	and other relevant parameters, if any. If analysis results of the samples collected exceeds standards/levels, detailed investigation study may be carried out based on the Guidance document on assessment and remediation of contaminated sites published by MoEF&CC.

***Note:** Previous report is referred to CPCB summary report submitted before Hon'ble NGT on 24.06.2020.

Gujarat

Gujarat Pollution Control Board (GPCB) has submitted action taken report vide its email/letter dated 27.10.2020 as per the format of "Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)" provided by CPCB for following 24 probable/contaminated sites in Gujarat. 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/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
1.	Gorwa Pond, Behind Hema Chemicals, Near Samta Colony, Subhanpura Road, Vadodara	CS	GPCB has inspected the site followed by GW and SW sampling. Analysis result reveals as follows: <ul style="list-style-type: none"> - In SW samples color is reported. - In GW samples, TDS are found higher than acceptable limit of BIS. COD is also reported in the said samples. 	It is submitted based on the *previous analysis result of soil samples reveals no contamination. GPCB may carry out sediment samples from the pond and submit analysis result of CoCs, general parameters and heavy metals. Further, may also collect few more samples of GW and SW to ascertain the quality of GW and SW.
2.	Aji GIDC Industries, Plot No. 121,	CS	GPCB has inspected the site followed by soil sampling.	It is observed that GW /SW/sediment sampling is not carried out.

S. No.	Name of the Site	CS/PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
	AB Corner Road, Aji GIDC Estate, Rajkot		Analysis result of soil sample reveals no contamination.	GPCB may carry out sampling of GW/SW/ sediment and submit analysis result of CoCs with general parameters and heavy metals.
3.	Larsen Chem, B/2, Ganeshpura, Opp. Janta Petrol Pump, Modasa Sabar Kantha, Gujarat	CS	i) Hazardous waste was not observed at the site. ii) Analysis result of soil samples collected reveals no contamination. iii) GW samples collected and analysis result reveals that Color, Lead, Cadmium, Sulphate & Chloride is reported higher than prescribed limit oh BIS.	GPCB may carry out detailed site investigation and submit report of the same to CPCB.
4.	Swastik Organic, Sabar Dairy Road, Piplodi, Gujrat	CS	i) Hazardous waste lying at the site was already lifted and shifted to TSDF. However, soil contamination may still remain at the site. ii) In the downstream at village Boriya Khurad, about 7 to 8 bore wells reported as contaminated with reddish brown colored water. iii) In this regard, it is also reported that crops like wheat, cotton & castor are irrigated with this colored water. iv) GW samples collected and reported about 200 Pt Co yellowish color ; however, analysis result of the same was not submitted. v) The responsible party has awarded the remediation work to GITCO.	Subsequent to lifting, soil contamination may still remain at the site. GPCB may carry out GW, SW and sediment sampling. Responsible party may be directed to submit monthly or quarterly progress reports. Status report may be updated GSPCB at website and submit to CPCB.

S. No.	Name of the Site	CS/PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
5.	Effluent Channel Project Limited (M/s ECPL), Baroda Effluent Canal, Vadodara District	CS	Remediation of contaminated Groundwater is underway by (Responsible Party).	GPCB may monitor target levels periodically. Responsible party may be directed to submit monthly or quarterly progress reports.
6.	Hema Chemicals - Unit II (J-71, 72), Nandesari, Vadodara	CS	GPCB has inspected the site followed by soil sampling. During inspection of the site, it is found that industrial premise is presently void of any plant machineries. Scattered vegetation is observed within plant premises. The land is being used for storage of glass frits. Analysis result of soil samples collected & revealed that site is contaminated with hexavalent chromium .	GPCB may carry out detailed site investigation and submit the report to CPCB. If required, remediation may be initiated.
7.	Jambusar, District-Bharuch,	CS	As per the previous report* submitted by GPCB, analysis result of soil samples revealed that site was contaminated with hexavalent chromium .	It is observed that GW /SW/sediment sampling is not carried out. GPCB may carry out: (i) GW/SW/sediment samples and submit analysis reports of chemicals of concern (CoCs), general parameters and heavy metals. (ii) carry out detailed site investigation and submit the report to CPCB.
8.	Ankleshwar Industrial Estate, GIDC Industrial	CS	GPCB has inspected the site followed by GW & soil sampling. Analysis result reveals as follows:	GPCB may carry out few-more GW samples to ascertain the quality of GW and result of the

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
	Estate, Tal: Ankleshwar, Dist: Bharuch,		<ul style="list-style-type: none"> - No contamination is reported in soil samples. - In GW samples, Sulphate, Chloride, & TDS are found higher than acceptable limit of BIS. COD is also reported in the samples. 	same may be furnished to CPCB at the earliest.
9.	Daman Ganga River, behind railway track near CETP, Vapi, Gujarat-396191	PCS	GPCB has inspected the site followed by soil, SW & GW sampling. Analysis result of soil, SW & GW samples reveals no contamination.	GPCB may carry out sediment sampling and submit analysis result of CoCs along with general parameters and heavy metals.
10.	Lord Seaside Society, Parsi Settlement at Tadgam, Valsad-396135	PCS	<ul style="list-style-type: none"> i. GPCB has inspected the site followed by GW & soil sampling. ii. Analysis result of soil sampling reveals no contamination. iii. In GW samples, TDS is found higher than acceptable limit of BIS. 	GPCB may carry out few more GW samples to ascertain the quality of GW and submit analysis report to CPCB.
11.	River Par, Atul, Valsad District, Gujarat - 396001	PCS	GPCB has inspected the site followed by SW & soil sampling. Analysis result of soil and SW reveals no contamination.	<p>It is observed that GW/sediment sampling is not carried out.</p> <p>GPCB may carry out GW & sediment and submit analysis result of CoCs along with general parameters and heavy metals.</p>
12.	Jamnagar Refinery (DTB Plant), Gujarat-361142	PCS	GPCB has inspected the site followed by soil sampling. Soil samples collected and analysis result reveals no contamination.	<p>It is observed that GW /SW/sediment sampling is not carried out.</p> <p>GPCB may carry out GW/SW /sediment sampling and submit analysis result of CoCs along with general</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
				parameters and heavy metals.
13.	Water body at Pariyej Community Reserve, Kheda district, Gujarat-387225	PCS	i) GPCB has inspected the site followed by soil & GW sampling. ii) Analysis result of soil samples reveals no contamination. iii) In GW, no contamination is reported except COD .	It is submitted based on the *previous analysis result with CoCs of SW samples reveals no contamination GPCB may carry out few-more GW samples to ascertain the quality of GW and report of the same may be furnished to CPCB.
14.	Muthia Village, Naroda GIDC, Phase IV, Ahmedabad -380330	PCS	i) GPCB has inspected the site followed by soil & GW sampling. ii) Analysis result of soil reveals no contamination. iii) In GW, Color is reported above the standard.	GPCB may carry out preliminary investigation of the site and submit report to CPCB.
15.	Bank of Bhil Khadi, Salvav, NH-No:8, Vapi-396191	PCS	i) GPCB has inspected the site followed by soil, GW & SW sampling. ii) Analysis result of soil and SW reveals no contamination. iii) In GW, no contamination is reported except Sulphate .	It is observed that analysis result of SW is not submitted and also that sediment sampling is not carried out. GPCB may: i) carry out few-more GW samples to ascertain the quality of GW and report of the same may be furnished to CPCB. ii) carry out sediment samples and submit analysis result of CoCs, general parameters and heavy metals. iii) submit analysis result of surface water samples collected.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
16.	Pandesara, Gujarat Industrial Development Corporation (GIDC), Surat, Gujarat-394230	PCS	i) GPCB has inspected the site followed by GW sampling. ii) During inspection of the site, residential/ commercial area observed at the given location. iii) Analysis result of GW sample reveals that Sulphate, Chloride & TDS are found higher than acceptable limit of BIS. COD is also reported in the samples.	It is observed that soil/SW/sediment sampling is not carried out. GPCB may carry out: (i) few more groundwater sample to ascertain the quality of GW and submit report to CPCB. (ii) soil/SW/sediment samples and submit analysis report for CoCs, heavy metals and other general parameters. (iii) If analysis report exceeds standards/ levels, detailed site investigation may be carried out.
17.	Hatorah Village, Mangrol Taluka, Surat, Near Vikas Texo Park, Gujarat-395003	PCS	i) GPCB has inspected the site followed by GW, waste & soil sampling. ii) Old dumping of solid-semi solid HW was observed at the site. iii) Analysis result reveals as below: - soil is contamination with Chromium, Zinc, Cadmium, Lead, Copper & pH . - In GW samples Sulphate, Chloride, & TDS are found higher than acceptable limit of BIS. COD is also reported in the samples.	It is observed that the waste samples collected, analysis result is not submitted. GPCB may: i) lift and dispose off of HW from the site. ii) carry out detailed site investigation and submit report/status to CPCB. If required, remediation may be initiated.
18.	Dungrifalia Millat Nagar, Behind Hotel	PCS	i) GPCB has inspected the site followed by SW, GW & soil sampling.	GPCB may carry out preliminary investigation of the site

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
	Good Luck, Vapi, Gujarat-396191		ii) Analysis result reveals as below: <ul style="list-style-type: none"> - soil sample is slightly alkaline in nature & no contamination is reported. - No contamination in GW except Chloride. - In SW Color is exceeded with standard. 	and submit report to CPCB.
19.	Premises of Trans Global, P. No: A-1-4311, Phase 4, GIDC, Vapi-Gujarat-396195	PCS	GPCB has inspected the site followed by soil sampling. Soil collected and analysis result reveals no contamination.	GPCB may carry out GW/SW/sediment sampling and submit analysis result of CoCs, general parameters and heavy metals.
20.	Premises of Gamma Colors, P. No: 1302, Phase 3, GIDC, Vapi-396195	PCS	GPCB has inspected the site followed by soil sampling. Soil collected and analysis result reveals no contamination.	GPCB may carry out GW/SW/sediment sampling and submit analysis result of CoCs, general parameters and heavy metals.
21.	Bank of Bhil Khadi, Behind Hotel Safari, Near NH-No:8, Vapi-396191	PCS	i) GPCB has inspected the site followed by SW, GW & soil sampling. ii) Analysis result of soil sample reveals alkaline in nature & no contamination. iii) Analysis result of GW sample reveals no contamination except Sulphate . iv) Analysis result of SW reveals no contamination.	GPCB may: <ul style="list-style-type: none"> i) carry out few-more GW samples to ascertain the quality of GW and submit the report to CPCB. ii) carry out sediment samples and submit analysis results of CoCs, general parameters and heavy metals
22.	Salvav, NH-No:8, Vapi, Gujarat	PCS	i) GPCB has inspected the site followed by SW, GW & soil sampling.	GPCB may: <ul style="list-style-type: none"> i) Carry out few-more GW samples to ascertain the quality

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
			ii) Analysis result of soil sample reveals alkaline in nature & no contamination. iii) Analysis result of GW sample reveals no contamination except Sulphate . iv) Analysis result of SW reveals no contamination.	of GW and submit the report to CPCB. ii) carry out sediment samples and submit analysis results of CoCs, general parameters and heavy metals
23.	Umalla, Bharuch, Gujarat-393120	PCS	<p>“New site”, identified through Public complaint, wherein, it was informed by the complainant that “M/s Hindusthan Chemical Co. Ltd at Vankhuta Ta. Umalla, Dist-Bharuch, illegally disposed cyanide contained hazardous waste in agriculture field and natural drain at Vankhuta village. The analysis result of soil sample collected by complainant showed 833 and 319 mg/kg Cyanide.”</p> <p>GPCB has inspected the site and submitted that no HW was found at the site.</p>	<p>Inspection report including sampling & analysis result along with photographs is not yet submitted.</p> <p>GPCB may carry out sampling of soil/ sediment/GW /SW and submit report includes analysis result of CoCs, general parameters and heavy metals along with site visit photographs.</p>

***Note:** Previous report is referred to CPCB summary report submitted before Hon’ble NGT on 24.06.2020.

Haryana

Haryana Pollution Control Board (HPCB) has submitted action taken report vide its email/letter dated 27.11.2020 as per the format of “Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)” provided by CPCB for following 17 probable/contaminated sites in Haryana. 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/ 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.	Haryana PCB may carry out preliminary investigation of the

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
			<p>i) Analysis result of GW reveals that TDS, chloride & fluoride concentration is higher than prescribed limit of BIS drinking water standard.</p> <p>ii) Analysis result of soil samples reveals no contamination.</p>	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.	<p>It is observed that sediment sampling is not carried out.</p> <p>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.</p>
3	Sectors 25 & 29, Dyeing Industry, Panipat, Haryana	CS	<p>Inspection was carried out by Haryana SPCB followed by GW, SW and soil sampling.</p> <p>i) Analysis result of GW reveals that concentration of TDS & Chloride is higher than prescribed limit of BIS drinking water standard.</p> <p>ii) Soil and SW samples reveal no contamination.</p>	<p>It is observed that sediment sampling is not carried out.</p> <p>Therefore, Haryana SPCB may carry out sediment sampling and submit analysis results of CoCs, other heavy metals and general parameters.</p> <p>Haryana SPCB may also carry out few more GW samples to ascertain GW quality and submit the report.</p>
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	Haryana PCB may carry out few samples of soil/ GW in and around the

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
			and no dumping of hazardous waste is observed.	residential area and submit photographs and analysis result of CoCs with general parameters & heavy metals.
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.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
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 reported higher than prescribed limit of BIS drinking water standard. iv) No contamination is reported in soil samples.	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.
8.	Agra Canal - Near Sector 25, Faridabad, Haryana-121004	PCS	i) Inspection was carried out by Haryana SPCB followed by GW and soil sampling. ii) Analysis result of GW samples collected, reveals that concentration of Chloride & TDS is found higher than standard limit. iii) No contamination is reported in soil samples.	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.	Sahraul village, Sector -18, Gurgaon, Haryana, India-122015	PCS	Inspection was carried out by Haryana SPCB followed by GW and soil sampling. Analysis result of GW and soil samples reveals no contamination.	It is proposed that the site may be de-listed.
10.	New Industrial Town (NIT), Faridabad, Haryana -121001	PCS	Inspection was carried out by Haryana SPCB followed by GW and soil sampling. Analysis result of GW and soil samples reveals no contamination.	It is proposed that the site may be de-listed.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
11.	Ganesh Colony, Mehrana Village, Panipat, Haryana: 132103	PCS	Inspection was carried out by Haryana SPCB followed by sampling of GW and soil samples. Analysis result of soil, GW and SW samples reveal that no contamination.	It is proposed that the site may be de-listed.
12.	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.
13.	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>	<p>It is observed that sediment sampling is not done.</p> <p>Haryana SPCB may carry out preliminary investigation of the site and submit the report to CPCB at the earliest.</p>
14.	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.	<p>It is observed that sampling of soil/ GW/ SW/sediment is not done.</p> <p>Therefore, Haryana SPCB may carry out sampling of soil/ GW/ SW/ sediment around the residential area and submit report along with analysis results of chemicals of</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
				concern (CoCs), general parameters & heavy metals and photographs.
15.	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.
16.	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.
17.	Bhindwas Bird Sanctuary, Jhajjar, Haryana-124507	PCS	i) As per earlier report submitted by Haryana SPCB.	Haryana PCB may carry out GW and soil sampling around the premises

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
			ii) Analysis result of SW samples reveals no contamination except coliform counts . iii) Analysis result of sediment samples reveals no contamination.	and submit report along with analysis results of CoCs with general parameters & heavy metals and photographs

Himachal Pradesh

Himachal Pradesh SPCB has submitted action taken report vide its letter dated 19.08.2020 for following 06 probable/contaminated sites in Himachal Pradesh. 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/initiated by HPPCB	Observations/ Suggestions by CPCB
1.	Effluent Drain, Housing Board Phase-III, Baddi, Himachal Pradesh	CS	HPPCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> - No hazardous waste was found at the site. - Soil, SW and GW samples collected, and analysis result reveals no contamination. - However, in Sediment sample, Cadmium & Hexavalent-Chromium was reported higher than screening level w.r.t. Agricultural land use. 	HPPCB may carry out preliminary site investigation based on the reference document on 'Identification, Inspection and Assessment of Contaminated Sites' and submit report to CPCB.
2.	Parwanoo Block, Solan District, Himachal Pradesh-173212	PCS	HPPCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> - No hazardous waste was found at the site. - Soil, SW, Sediment and GW samples collected, analysis 	It is proposed that the said site may be de-listed .

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by HPPCB	Observations/ Suggestions by CPCB
			results reveal that no contamination.	
3	Kala Amb, Trilokpuri road, Himachal Pradesh-173030	PCS	<p>HPPCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - No hazardous waste was found at the site. - Soil, SW, and Sediment samples collected, analysis results reveal that no contamination. - No contamination is in GW sample. However, COD was reported. 	HPPCB may carry out few-more GW samples to ascertain the quality of GW and report of the same may be furnished to CPCB.
4	River Markanda, Kala Amb, Sirmour, Himachal Pradesh-173030	PCS	<p>HPPCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - No hazardous waste was found at the site. - Soil, SW, and sediment samples carried out, analysis results reveal that no contamination. - No contamination is in GW sample. However, COD was reported. 	HPPCB may carry out few-more GW samples to ascertain the quality of GW and report of the same may be furnished to CPCB.
5.	River Kaushalya, Village Khadeen, Parwaanoo Block, Solan District, Himachal Pradesh-173212	PCS	<p>HPPCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - No hazardous waste was found at the site. - Soil, SW, sediment and GW samples collected, analysis results reveal that no contamination. 	It is proposed that the said site may be de-listed .
6.	Open area along Sandholi Nala, Opposite Keshav Auto, Baddi Nalagarh	PCS	<p>HPPCB had carried out site inspection and submitted the following findings:</p> <ul style="list-style-type: none"> - No hazardous waste was found at the site. 	HPPCB may carry out preliminary site investigation based on the reference document on Identification,

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by HPPCB	Observations/ Suggestions by CPCB
	Highway NH-21A-173205		<ul style="list-style-type: none"> - Soil, GW, Sediment, and SW samples collected, analysis results of Soil & SW reveal that no contamination. - However, sediment samples reveals contamination with Nickel, Chromium & Cadmium. 	Inspection and Assessment of Contaminated Sites' and submit report to CPCB.

Jharkhand

Jharkhand PCB has communicated action taken reports for following 14 probable/contaminated sites vide its email communication dated 03.12.2020 and letter dated 29.07.2020 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	<ul style="list-style-type: none"> i. Detailed investigation report 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	<ul style="list-style-type: none"> 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,	PCS		

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB
	Jamshedpur, Jharkhand-831001			
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.
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,	PCS	i. Jharkhand PCB has inspected the site followed by sampling of	Jharkhand PCB may submit analysis results of CoCs with general parameters and

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB
	Jharkhand-831001		surface water and sediment. ii. Analysis result reveals no contamination.	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 this pond to river may be occurred. iii. Analysis result of SW and sediment reveals no contamination.	Jharkhand PCB may submit analysis results of CoCs with general parameters and heavy metals of collected soil and GW samples.
13.	Adityapur Ind. Area, Near Jamshedpur, Behind Pepsi Factory, Ranchi -834002	PCS	i. Site was inspected by Jharkhand PCB followed by SW and GW sampling. ii. It is also submitted that factory of M/s PepsiCo is situated at the immediate of the site.	Jharkhand PCB may carry out detailed site investigation and submit report to CPCB.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB
			iii. Analysis result of SW reveals no contamination. iv. Analysis result of groundwater reveal about contamination with TDS, Lead & Chloride.	
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.

***Note:** Previous report is referred to CPCB summary report submitted before Hon'ble NGT on 30.06.2020.

Karnataka

It is submitted that Karnataka PCB has communicated vide its letters dated 29.10.2020 & 01.09.2020 regarding action initiation for 25 probable/contaminated sites identified in Karnataka; wherein it is stated that Board has awarded the investigation work to a Consultant i.e. M/s Environmental Management & Policy Research Institute (EMPRI), Bangalore.

Kerala

Kerala State Pollution Control Board (KSPCB) has submitted action taken report for following 11 probable/contaminated sites vide its emails dated 16.09.2020 and 29.10.2020. 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 Kerala PCB	Observations/ Suggestions by CPCB
1.	Kuzhikandom Thodu (Creek), Kerala	CS	DPR is completed under NCEF project of MoEF&CC and CPCB. Tendering process is under progress for execution of remediation work by Kerala State/ Kerala SPCB.	Kerala SPCB may monitor remediation works, once initiated and submit monthly or quarterly progress reports.
2.	Edayar, Edayattuchal Kochi, Kerala (in & around the premises of	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of	Since hazardous waste is still lying at the site and Remediation work is not yet initiated,

S. No.	Name of the Site	CS/ PCS	Action taken/Initiated by Kerala PCB	Observations/ Suggestions by CPCB
3.	M/s. Binani Zinc Ltd.) Edayar, Chakkarachal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)	CS	tender document to State of Kerala and Kerala SPCB for execution of Remediation work.	Kerala SPCB may direct responsible party to lift and disposed of waste from the said sites in an environmental sound manner followed by remediation as per the DPR prepared by CPCB. Further, Kerala SPCB may monitor the remediation works executed by responsible party and submit monthly or quarterly progress reports.
4.	Vadavathoor, Kottayam	CS	Site was inspected by Kerala SPCB and it is informed that the spot was earlier used as solid waste dumping yard of Kottayam municipality, and it is not operational since 2015. Sampling of soil & GW has carried out and analysis result reveals as below: i. In GW Mercury , and Total Coliform is reported higher than prescribed limit of BIS drinking water standard and also reported slightly acidic in nature. Soil is contaminated with Chromium & Nickel .	Kerala PCB may carry out detailed site investigation and submit the report to CPCB.
5.	Vembanad (Vembanad Kayal or Vembanad Kol), Kottayam, Kerala-686001	PCS	i. Site was inspected by Kerala SPCB and identified as wastewater drainage at Aroor, Alappuzha. However, no hazardous waste generating industries	Kerala SPCB may carry out few more sampling of sediment and SW and submit analysis results of CoCs,

S. No.	Name of the Site	CS/ PCS	Action taken/Initiated by Kerala PCB	Observations/ Suggestions by CPCB
			are found near this point. ii. SW is collected. Analysis result reveals the contamination with Color and Total Coliform .	general parameters and heavy metals.
6.	Meenachil River, Kottayam, Kerala	PCS	Site is identified by Kerala SPCB as a spot in Arabian sea at 600 m from the shore at Alappuzha. Hence, no sampling of SW, sediment is carried out.	Kerala SPCB may inspect the downstream of the river followed by sediment & SW sampling and submit inspection reports containing site visit photographs and analysis results of CoCs, general parameters and heavy metals of sediment & SW samples.
7.	Ashtamudi Lake, Kollam District, Kerala-691602	PCS	i. Kerala SPCB has inspected the site followed by sampling of SW and sediment. ii. For Sediment, analysis was done for Cadmium only and it reveals no contamination. iii. Analysis results of SW samples reveal about contamination of TDS, sulphate & chloride , which may be due to marine environment. High coliform count is also reported.	Kerala SPCB may carry out few more SW samples and submit analysis results of CoCs, general parameters and heavy metals. Further, sediment sampling may be carried out for analysis of general parameters and heavy metals.
8.	Parvathy Puthanar, Thiruvananthapuram, Kerala-695001	PCS	i. Site is inspected by Kerala SPCB followed by SW sampling ii. A sewage drainage was identified beside railway tracks.	Kerala SPCB may carry out sediment, soil, GW and SW samples & submit analysis results of CoCs, general parameters and heavy metals.

S. No.	Name of the Site	CS/ PCS	Action taken/Initiated by Kerala PCB	Observations/ Suggestions by CPCB
			iii. For SW, analysis was done for Cadmium only and it reveals no contamination.	
9.	Eloor Industrial area, Cochin, Kerala-683501	PCS	i. Site was inspected by Kerala SPCB followed by GW & soil sampling. ii. Analysis result of GW reveals no contamination. iii. For soil samples, analysis was done for CoCs only and result reveals no contamination.	Site may be de-listed.
10.	Bramhpuram, Kochi-682303	PCS	i. Site is inspected by Kerala SPCB followed by soil sampling. ii. Analysis was done for CoC only and result reveals no contamination.	Kerala SPCB may carry out sampling of sediment/ SW/ GW and submit analysis results of CoCs, general parameters and heavy metals. Further, soil sampling may be carried out for analysis of general parameters and heavy metals.

Madhya Pradesh

Madhya Pradesh Pollution Control Board (MPPCB) has submitted action taken report vide letter dated 29.10.2020 for following 20 probable/contaminated sites in Madhya Pradesh. 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/initiated by MPPCB	Observations/ Suggestions by CPCB
1.	M/s Grasim Chemical, Grasim Nagar, Nagda, Madhya Pradesh	PCS	*Site is inspected by MPPCB and accordingly, carried out soil and GW samples. Analysis result of GW samples reveals no contamination. Soil samples collected, analysis results reveal that concentration	MPPCB may collect few more soil sample to ascertain the soil quality and extent of contamination and submit report to CPCB.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			of Sulphate, Chloride and Iron is besides high. However, no screening/response level is available for the same.	
2.	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) Hazardous waste is still lying at the premises.	After finalization of DPR, MPPCB may direct responsible party to lift and disposed of the waste laying at pit through environmental safe manner followed by remediation works. Further, MPPCB may monitor the remediation works executed by responsible party and submit monthly or quarterly progress reports.
3.	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. i. Hazardous waste had been lifted and disposed through TSDF.	After finalization of DPR, MPPCB may direct responsible party to execute remediation works. Further, MPPCB may monitor the remediation works once executed by responsible party and submit monthly or quarterly progress reports.
4.	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,	After finalization of DPR, MPPCB may direct responsible party to dispose of through environmentally sound mechanism the old industrial equipment and chemical storage tanks from the said

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			<p>TDS Chloride and Sulphate.</p> <p>(iii) No historical waste dump was found, except old industrial equipments and chemical storage tanks as per detailed investigation report.</p>	<p>premises followed by remediation works.</p> <p>Further, MPPCB may monitor the remediation works once executed by responsible party and submit monthly or quarterly progress reports.</p>
5.	Indo Zinc, Plot-79, Sector -3, Pithampur, Dist-Dhar, Madhya Pradesh	PCS	<p>MPPCB has inspected the site followed by soil and GW sampling.</p> <p>i. Analysis result reveals as below:</p> <ul style="list-style-type: none"> - soil is contamination with Zinc. - In GW samples TDS is reported higher than acceptable limit of BIS. COD is also reported in the samples. 	MPPCB may carry out detailed site investigation and submit report to CPCB.
6.	Atal Ayub Nagar, Near UCIL factory, Bhopal-462001	PCS	<p>MPPCB inspected the site followed by soil and GW sampling.</p> <p>i. Analysis result reveals as below:</p> <ul style="list-style-type: none"> - soil is contamination with Arsenic. - In GW samples Copper, Nitrate and TDS are reported higher than acceptable limit of BIS. COD is also reported in the samples. 	MPPCB may carry out detailed site investigation and submit report to CPCB.
7.	Kainchi Chhola colony, Bhopal-462001	PCS	<p>i. The said area falls under jurisdiction of residential zone.</p> <p>ii. Analysis of GW samples collected, TDS and Chloride is reported higher than acceptable limit of</p>	As it is observed that heavy metals in soil samples collected were analysed by using TCLP extraction method, whereas threshold values (w.r.t.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			<p>BIS. COD is also reported in the samples</p> <p>iii. Soil samples collected, analysis result of carbamate (pesticides) reveals no contamination.</p>	<p>total concentration) need to be reported.</p> <p>Therefore, soil sample may be re-analysed for heavy metals.</p> <p>Further, MPPCB may carry out few more GW samples to ascertain the quality of GW and submit report to CPCB.</p> <p>If analysis report exceeds standards/levels, detailed site investigation may be carried out.</p>
8.	Garib Nagar, Bhopal-462001	PCS	MPPCB inspected the site followed by soil and GW sampling.	As it is 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.
9.	Blue Moon & Nawab Colony, Bhopal-462001	PCS	<p>i. Analysis result reveals as below:</p> <ul style="list-style-type: none"> - soil is contamination with Trichloromethane (VOC). - In GW samples TDS is reported higher than acceptable limit of BIS. COD is also reported in the samples. 	<p>Soil sample may be analysed for heavy metals.</p> <p>Further, MPPCB may carry out few more GW samples to ascertain the quality of GW and submit report to CPCB.</p>
10.	New Arif Nagar, Bhopal-462001	PCS	<p>i. The said area falls under jurisdiction of residential zone.</p> <p>ii. Analysis of GW samples collected, TDS is reported higher than acceptable limit of BIS. COD is also reported in the samples</p> <p>iii. Soil samples collected, analysis result of</p>	As it is observed that heavy metals in soil samples collected were analysed by using TCLP extraction method, whereas threshold values (w.r.t. total concentration) need to be reported.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			carbamate (pesticides) reveals no contamination.	Therefore, soil sample may be re-analysed for heavy metals. Further, MPPCB may carry out few more GW samples to ascertain the quality of GW and submit report to CPCB.
11.	Shiv Nagar, near Hindustan Petroleum depot, Bhopal--462001 Shakti Nagar, Near Arif Nagar, Near Union Carbide factory, Bhopal	PCS	i. The said area falls under the jurisdiction of residential zone. ii. Analysis of GW samples collected, TDS is reported higher than acceptable limit of BIS. COD is also reported in the samples	As it is observed that heavy metals in soil samples collected were analysed by using TCLP extraction method, whereas threshold values (w.r.t. total concentration) need to be reported. Therefore, soil sample may be re-analysed for heavy metals. Further, MPPCB may carry out few more GW samples to ascertain the quality of GW and submit report to CPCB.
12.	Mandideep Industrial area, Mandideep, Raisan-462040	PCS	*Site is inspected by MPPCB and accordingly, carried out GW and SW samples from nearest Domestic Drain. However, analysis results is awaited. i. GW samples collected, analysis result reveals no contamination. ii. Soil samples collected, analysis results reveal that concentration of Sulphate, Chloride and Iron is besides high. However, no screening/response level is available for the same.	As it is 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. MPPCB may re-analysis of soil samples for heavy metals including CoCs. If analysis report of samples collected exceeds the limits/ standards, detailed site investigation may be carried out and report

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
				of the same be provided to CPCB.
13.	Ratlam Industrial Area-457001	PCS	<p>MPPCB inspected the site followed by soil and GW sampling.</p> <p>i. Analysis result reveals as below:</p> <ul style="list-style-type: none"> - soil is contamination with Arsenic. - In GW samples Arsenic, Color, Chloride, Sulphate, and TDS are reported higher than acceptable limit of BIS. COD is also reported in the samples. 	MPPCB may carry out detailed site investigation and submit report to CPCB.
14.	Post Vindhyan Nagar, Dist. Sangruli, MP-486885	PCS	<p>*MPPCB inspected the site followed by soil and GW sampling.</p> <p>Analysis result of GW samples reveals no contamination.</p>	<p>*As it is 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.</p> <p>MPPCB may re-analysis of soil samples for heavy metals including CoCs.</p> <p>If analysis report of samples collected exceeds the limits/ standards, detailed site investigation may be carried out and report of the same be provided to CPCB.</p>
15.	M/s Union carbide (UCIL), J.P. Nagar, Bhopal, Madhya Pradesh 462001	CS	<p>i. GW samples collected, analysis result reveals no contamination.</p> <p>ii. Soil samples collected, analysis result of</p>	As it is observed that heavy metals in soil samples collected were analysed by using TCLP extraction method, whereas threshold values (w.r.t.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			carbamate (pesticides) reveals no contamination.	total concentration) need to be reported. Therefore, soil sample may be re-analysed for heavy metals.
16.	M/s Boardia Chemicals Pvt Ltd. Ratlam, Madhya Pradesh-457001	PCS	MPPCB inspected the site followed by soil and GW sampling. i. Analysis result reveals as below: - Soil is contamination with Arsenic and Zinc . - In GW samples Color, Chloride and TDS 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.
17.	M/S Beta Naphthol-village Maksi, Shajapur Dist, 465106	PCS	*MPPCB inspected the site followed by soil and GW sampling. Analysis result of GW samples reveals no contamination.	*As it is 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. MPPCB may re-analysis of soil samples for heavy metals including CoCs. If analysis results of samples collected exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
18.	Deoguradiya (Municipal landfill) Site,	PCS	i. The said area falls under the jurisdiction of residential zone.	MPPCB may carry out few more GW samples to ascertain the quality

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
	Near Devguradia, Indore -452001		ii. Samples of soil and GW collected, analysis result reveal: <ul style="list-style-type: none"> - 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. 	of GW and submit report to CPCB.
19.	Solar Evaporation Ponds outside UCIL premises, Bhopal	CS	i. GW and SW samples collected, analysis result reveals no contamination. ii. Soil samples collected, analysis result of carbamate (pesticides) and VOC reveals no contamination.	As it is observed that heavy metals in soil samples collected were analysed by using TCLP extraction method, whereas threshold values (w.r.t. total concentration) need to be reported. Therefore, soil sample may be re-analysed for heavy metals.
20.	Dabli, Mangliya, Indore, MP	CS	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). ii. MPPCB has inspected the site followed by soil and GW sampling. ii. Analysis result of GW samples reveals that odor of Mild-Petroleum products along with TDS.	As Petroleum products' smell is reported in GW samples; MPPCB may analysis few more parameters such as TPH, GRO, DRO & BTEX in GW and soil samples collected from same locations to ascertain the level and extent of contamination in GW & soil and submit the report to CPCB.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			iv. Analysis result of heavy metals in soil samples reveals no contamination.	

Note: Previous report is referred to CPCB summary report submitted before Hon'ble NGT on 24.06.2020.

Maharashtra

Maharashtra Pollution Control Board (MPCB) has submitted action taken report on 06 probable/contaminated sites vide its email communications dated 01.07.2020 and 18.11.2020. 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 status report may be updated at website and submit to CPCB from time to time.
3	Deonar, Mumbai , Maharashtra 400088	PCS	MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below: (i) MSW was being dumped at the site. No processing unit, Leachate collection and treatment plant was observed. The said dumping site is surrounded by slums	MPCB may collect sediment samples from those points wherein SW sampling was carried out and submit analysis results of CoCs, general parameters & heavy metals along of Soil, SW, Sediment & GW samples. Site assessment report is awaited. MPCB may expedite site assessment work and

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
			<p>towards the West and Thane Creek towards the East.</p> <p>(ii) Sampling of soil, GW and surface-water was carried out.</p> <p>(iii) Analysis results are awaited.</p>	submit the report to CPCB at the earliest.
4	Tarapur Industrial area, Tarapur, Thana dist.-401504, 401506	PCS	MPCB has awarded the site assessment work to CSIR-NEERI and work is under progress. Further, MPCB requested as below:	Site assessment report is awaited.
5.	Nashik, MIDC (Industries located in MIDC Area)	PCS	<ul style="list-style-type: none"> - Visit to all sites for post monsoon reconnaissance, collection of surrounding details, especially for Kalyan, and Tarapur sites. 	MPCB may expedite site assessment work and submit the report to CPCB at the earliest.
6.	Karavale village, Kalyan, Maharashtra	CS	<ul style="list-style-type: none"> - Post monsoon sampling at all four sites (December 2020-January 2021) - Pre monsoon sampling at all four sites (April-May 2021) - Submission of the final report with a clear and scientific conclusion on the status of contamination and further course of action needed. 	

Odisha

Odisha SPCB has informed vide email dated 03.11.2020 that the submission of the inspection reports of the probable/contaminated sites in Odisha will be delayed for 02 months due to prevailing Covid-19 pandemic situation. A copy of email communicated dated 03.11.2020 is annexed at **Annexure-X**.

The status of on-going remediation works are given below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
1.	Dumpsite JCL-I (Outside the Premises Of M/S Jayshree Chemicals Ltd Near Rushikulya River)	CS	DPR is prepared under NCEF project of MoEF&CC and CPCB. Remediation work has been initiated. Progress is as below:	Odisha SPCB may monitor the remediation works as per the DPR.
2.	Dumpsite JCL-III (Outside the Premises Of M/S Jayshree Chemicals Ltd Near Rushikulya River)	CS	<ul style="list-style-type: none"> - Unit had constructed new guard pond for storage of treated effluent. 	Responsible party may be directed to submit monthly or quarterly progress reports.
3.	Jayashree Chemicals, Ganjam	CS	<ul style="list-style-type: none"> - NOC obtained from CGWB for installation of abstraction wells to remediate groundwater as per DPR. - OSPCB has directed unit to set-up New secured landfill to dispose of hazardous waste as a part of remediation activity. 	
4.	Site OCL-I, ORICHEM abandoned site (inside the premises of M/s Orichem Ltd and also outside the boundary of wall), Talcher, Orissa	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated the final DPR along templates of tender document to State of Odisha and Odisha SPCB for execution of Remediation work.	Since hazardous waste is still lying at the site and Remediation work is not yet initiated, Odisha SPCB may direct responsible party to lift and disposed of waste from the site in an environmental sound manner followed by remediation as per

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
				<p>the DPR prepared by CPCB at the earliest.</p> <p>Further, Odisha SPCB may monitor the remediation works executed by responsible party and submit monthly or quarterly progress reports.</p>

Punjab

Punjab Pollution Control Board (PPCB) has submitted action taken report vide email/letter dated 01.11.2020 as per the format of “Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)” provided by CPCB for following 9 probable/contaminated sites in Punjab. 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/initiated by Punjab PCB	Observations/ Suggestions by CPCB
1.	Basti Sheikh, Jalandhar	CS	<p>PPCB had inspected the MSW dumpsite and carried out soil and GW sampling. Analysis result reveals that:</p> <p>(i) GW is contaminated with color, Manganese and TDS</p> <p>(ii) Soil is contaminated with Chromium.</p>	Punjab PCB may initiate detailed site investigation and submit the progress report to CPCB.
2.	Hambran Road MSW Dump Site, Ludhiana	CS	<p>PPCB had inspected the MSW dumpsite followed by soil and GW sampling. Analysis result reveals that GW is contaminated with color.</p>	<p>PPCB may carry out</p> <p>i. Few more GW samples to ascertain the GW quality of the site.</p> <p>ii. Sampling of soil/sediment/SW and submit report including analysis results of CoCs, general parameters</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
				and heavy metals at the earliest.
3.	Buddha Nullah, Ludhiana, Punjab	CS	<p>PPCB had inspected the site and carried out soil, SW and GW sampling.</p> <p>Analysis result reveals that:</p> <p>a) In soil samples, Zn, Ni & Chromium are exceeded with the screening levels.</p> <p>b) In SW sample, higher color is reported.</p>	<p>It is observed that GW samples collected, analysis report of the same is not submitted.</p> <p>Therefore, Punjab PCB may carry out detailed site investigation and submit progress of the same to CPCB from time to time. Sampling of sediment component and analysis result of GW samples may also be included.</p>
4.	Mahaluxmi Orgo Chemical Industries, Nabha Road, Bhawanigarh, Sangrur	CS	<p>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.</p> <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>	Punjab PCB may initiate detailed site investigation and submit the progress report to CPCB.
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>	Punjab PCB may initiate detailed site investigation and submit the report to CPCB.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			(i) In GW samples, colour and TDS are reported higher than acceptable limit of BIS. (ii) Soil is contaminated with Cu and As .	
6.	PSIEC Leather Complex, Jalandhar, Punjab	CS	PPCB had inspected the site and carried out soil and GW sampling. Analysis result reveals that: (i) In GW samples, colour is reported higher than acceptable limit of BIS. (ii) No contamination is reported in soil samples.	Punjab PCB may carry out few more samples of GW and submit the report to CPCB.
7.	Kala Sanghia Drain, Jalandhar, Punjab 144623	PCS	PPCB had inspected and carried out soil, SW, and GW sampling. Analysis result reveals that: (i) Colour is reported in GW samples. (ii) In soil samples, Chromium is exceeded with the screening levels (w.r.t. agriculture/ residential land-use). (iii) In SW samples, Color is exceeded with prescribed standards/ levels.	It is observed that sediment sampling not done wherein SW samples carried out. Therefore, Punjab PCB may carry out detailed site investigation and submit progress of the same to CPCB from time to time. Sampling of sediment component may also include.
8.	Nasrali Village, Mandi Gobindgarh- 147301	PCS	PPCB had inspected the site and carried out soil, SW, and GW sampling. Analysis result reveals that:	It is observed that sediment sampling not done wherein SW samples carried out. Therefore, Punjab PCB may carry out detailed site investigation and submit

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			<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. 	progress of the same to CPCB from time to time. Sampling of sediment component may also include.
9.	Ajnali Village, Mandi Gobindgarh, Punjab.- 147301	PCS	<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. 	<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 from time to time. Sampling of sediment component may also include.</p>

Rajasthan

Rajasthan State Pollution Control Board (RSPCB) has submitted action taken report for following 11 probable/contaminated sites vide its letter dated 11.09.2020. 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 Rajasthan PCB	Observations/ Suggestions by CPCB
1.	Amanishah nalla, Sanganer Industrial Area, Jaipur	CS	<p>Site is inspected by RSPCB and informed that hazardous wastes is not observed at the site.</p> <p>SW sampling is carried out and analysis result reveals</p>	RSPCB may carry out few more SW samples to ascertain the quality and extent of contamination in SW.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Rajasthan PCB	Observations/ Suggestions by CPCB
			contamination with BOD & COD .	RSPCB may also carry out sampling of sediment and submit report including analysis results of CoCs, general parameters and heavy metals at the earliest.
2.	Village Bichhadi, Block Girva, Rajasthan	CS	<p>Site is inspected by RSPCB and informed that the issue is Sub judice before the Hon'ble Supreme Court.</p> <p>GW Sampling is carried out and analysis result reveals that concentration of TDS, Chloride, Iron, Calcium, Magnesium are in exceeded than the prescribed limits of BIS. COD is also reported.</p>	<p>It is observed that soil/ SW/sediment sampling is not carried out.</p> <p>RSPCB may carry out preliminary investigation of the site along with sampling of all matrix based on the Reference document of CPCB and accordingly submit the report to CPCB.</p>
3	Mewar Industrial area, University New Campus Road, Udaipur, Rajasthan-313001	PCS	<p>i) Site is inspected by RSPCB and informed that hazardous wastes is not observed at the site.</p> <p>ii) Sampling of GW is carried out and analysis result reveals that concentration of Nickel & TDS are in exceeded than the prescribed limits of BIS. COD is also reported.</p>	RSPCB may carry out preliminary investigation of the site along with sampling of all matrix based on the Reference document of CPCB and accordingly submit the report to CPCB.
4	Jaitpur Village, Rohat Block, Pali, Rajasthan-306421	PCS	<p>RSPCB has inspected the site followed by soil & GW sampling and submitted that:</p> <ul style="list-style-type: none"> - Dump of hazardous wastes is not found at the site - In GW, Lead, chloride, sulphate, and TDS is found higher than BIS limit. COD is also reported. 	RSPCB may initiate detailed site investigation and submit the progress report to CPCB.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Rajasthan PCB	Observations/ Suggestions by CPCB
			<ul style="list-style-type: none"> Soil samples are analysed for CoCs and no contamination is found. 	
5.	Sokarna village, Balotra, Rajasthan-344022	PCS	<p>RSPCB has inspected the site followed by soil & GW sampling and submitted that:</p> <ul style="list-style-type: none"> Dump of hazardous wastes is not found at the site Analysis result reveal that no contamination in soil & GW. 	It is proposed that the site may be delisted .
6.	Bhilwara textile, Kothari river, Rajasthan-311001	PCS	<p>RSPCB has inspected the site followed by soil & GW sampling and submitted that:</p> <ul style="list-style-type: none"> Dump of hazardous wastes is not found at the site In GW, Chromium is found higher than BIS limit. COD is also reported. Soil samples are analysed for CoCs and no contamination is found. 	RSPCB may initiate detailed site investigation and submit the progress report to CPCB.
7.	Zawar Mines, Udaipur, Rajasthan 313901	PCS	RSPCB has informed that unit had done detailed study on GW contamination by engaging CSIR-NEERI.	RSPCB may submit the detailed study report to CPCB at the earliest.
8.	M/S Puransons, RIICO Industrial Area, Bhiwadi, Alwar District, Rajasthan-301019	PCS	RSPCB has inspected the site followed and submitted that hazardous waste was not found at the site	<p>It is observed that sampling of soil, sediment, SW & GW are not carried out.</p> <p>RSPCB may carry out preliminary investigation of the site along with sampling of all matrix based on the Reference document of</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Rajasthan PCB	Observations/ Suggestions by CPCB
				CPCB and accordingly submit the report to CPCB.
9.	Rajpur Dariba mines, District- Rajasmand, Rajasthan-313324	PCS	<p>RSPCB has inspected the site followed by soil & GW sampling and submitted that:</p> <ul style="list-style-type: none"> - Dump of hazardous wastes is not found at the site - In GW, chloride, sulphate, and TDS is found higher than BIS limit. COD is also reported. - Soil samples are analysed for CoCs and no contamination is found. 	RSPCB may carry out preliminary investigation of the site along with sampling of all matrix based on the Reference document of CPCB and accordingly submit the report to CPCB.
10.	Ramky waste management, Udaipur Rajasthan 313004	PCS	<p>RSPCB has inspected the site followed by soil & GW sampling and submitted that:</p> <ul style="list-style-type: none"> - Dump of hazardous wastes is not found at the site - In GW, TDS, Mg, Ca and Chloride is found higher than BIS limit. COD is also reported. - Soil samples are analysed for CoCs and no contamination is found. 	RSPCB may carry out preliminary investigation of the site along with sampling of all matrix based on the Reference document of CPCB and accordingly submit the report to CPCB.
11.	Malvia Nagar Industrial Area, Jaipur City, Rajasthan-302017	PCS	Information not submitted by RSPCB.	RSPCB may carry out preliminary investigation of the site along with sampling of all matrix based on the Reference document of CPCB and accordingly submit the report to CPCB.

Tamil Nadu

Tamil Nadu Pollution Control Board (TNPCB) has submitted vide its email / letter dated 28.11.2020 that the investigation work is completed and analysis results are awaited for respective 11 Probable/Contaminated sites. The status of on-going remediation works is given below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by TNPCB	Observations/ Suggestions by CPCB
1.	M/s HUL, Kodaikanal, Tamil Nadu	CS	Trail remediation has been done by M/s HUL. TNPCB had approved Consent to Establish for execution of soil remediation activity. All requisite machineries have already been installed for soil remediation.	TNPCB may monitor the remediation works undertaken by Responsible party and submit progress report to CPCB from time to time.
2.	Tondairpet, Chennai, Tamil Nadu	CS	Remediation work is undertaken by M/s BPCL.	
3.	TCCL, Ranipet , Tamil Nadu	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of TN and TNPCB for execution of Remediation work.	Since hazardous waste is still lying at the site and Remediation work is not yet initiated, TNPCB may issue necessary directions to responsible party to lift and disposed of waste from the site in an environmental sound manner followed by remediation as per the DPR prepared by CPCB at the earliest. Further, TNPCB may monitor the remediation works executed by responsible party and submit progress report to CPCB from time to time.

Telangana

Telangana SPCB has communicated Action taken reports for following 09 probable/contaminated vide email communication dated 25.11.2020. 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 TSPCB	Observations/ Suggestions by CPCB
1.	Noor Muhammad Kunta Lake, Katedan Industrial Estate Hyderabad	CS	Detailed Project Report (DPR) prepared for remediation of Noor Muhammad Kunta (NMK) Lake under the World Bank aided CBIPMP Project by MOEF&CC and TSPCB. However, the remediation works could not be taken-up due to the status quo orders issued by the Hon'ble High Court of Telangana & AP in WP No. 39864 of 2014.	As the DPR prepared, remediation of NMK Lake is required.
2.	Patancheru, Medak District , Telangana	CS	The site is inspected by TSPCB and submitted that; Hyderabad Metropolitan Development Authority (HMDA) proposed to construct STP of capacity of 30 MLD on the Naka Vagu. Sampling of soil, GW, sediment & SW had been carried out. Analysis result reveals as below: <ul style="list-style-type: none"> - In GW, TDS is found higher than BIS limit. COD was also reported. - No contamination is found in Soil, SW and Sediment samples. 	TSPCB may carry out few-more GW samples to ascertain the quality of GW and report of the same may be furnished to CPCB at the earliest.
3	Musi River, Hyderabad Telangana	PCS	The site is under consideration of the matter of the Hon'ble NGT in OA No.673 of 2018, wherein directed to prepare an action plan to restore the water quality by constituting river rejuvenation Committee. In this regard, monitoring committee has been constituted in compliance of	TSPCB may submit status on action plan to restore the water quality to CPCB.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by TSPCB	Observations/ Suggestions by CPCB
			Hon'ble NGT order dated 21.09.2020.	
4	Asani kunta Lake, Medak district, Telangana	PCS	<p>The site is inspected by TSPCB and relevant photographs are submitted. Analysis result reveals as below:</p> <p>(i) Soil, SW, Sediment & GW samples are collected.</p> <p>(ii) No contamination is found in SW, Sediment and soil samples.</p> <p>(iii) In GW, Chromium, Lead, Nickel, Ca, Mg, Chloride & TDS is found higher than BIS limit.</p>	TSPCB may initiate detailed site investigation and submit status report to CPCB from time to time.
5.	Maheshwaram, Hyderabad-Telangana	PCS	Site is investigated/inspected by TSPCB followed by soil sampling. Analysis result reveals that soil is contaminated with Cadmium and Nickel .	<p>It is observed that TSPCB has not carried out GW, SW and sediment samples.</p> <p>Since, the site is contaminated with Cadmium and Nickel in soil, TSPCB may initiate detailed site investigation and submit the report to CPCB.</p>
6.	Chevella Industrial Area Rangareddy District- Telangana	PCS	Site is investigated/inspected by TSPCB. However, sampling of Soil, GW, SW and sediment was not carried out.	TSPCB may carry out preliminary site investigation and submit the report to CPCB at the earliest.
7.	LB Nagar Industrial Area, Rangareddy District- Telangana	PCS		
8.	Moula Ali Industrial Area Rangareddy District- Telangana	PCS	<p>Site is investigated/inspected by TSPCB followed by soil sampling Submitted the following:</p> <ul style="list-style-type: none"> - Dump of MSW is observed at the site. - Analysis result reveals that soil is highly contaminated 	<p>It is observed that TSPCB has not carried out GW, SW and sediment samples.</p> <p>Since, the site is highly contaminated with heavy metals in soil, TSPCB may carry out detailed site investigation and</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by TSPCB	Observations/ Suggestions by CPCB
			with Cr, Pb, Mn, Ni and Zn .	submit the progress report to CPCB.
9.	Gundlapochampally Industrial Area Rangareddy District- Telangana	PCS	<p>Site is investigated/inspected by TSPCB followed by GW sampling Submitted the following:</p> <ul style="list-style-type: none"> - Dump of MSW is observed at the site. - Analysis result reveals that GW is highly contaminated with TDS and Lead. 	<p>It is observed that TSPCB has not carried out soil, SW and sediment samples.</p> <p>Since, the site is contaminated with Lead and TDS in GW, TSPCB may initiate detailed site investigation and submit the report to CPCB.</p>

Uttar Pradesh

In UP, there were 42 sites; wherein 17 sites identified as PCS and other 25 sites are as CS. Since 02 more sites are to be transferred from Delhi (01 CS) & Uttarakhand (01 PCS), and enlisted in UP state. Therefore, the total no. of sites is revised to 44. UPPCB has submitted action taken reports for following sites vide its letter dated 02.09.2020 and email communication dated 27.11.2020. 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 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.	It is submitted that Remediation work is not yet initiated and also hazardous waste is still lying at the site.
2.	Shivnathpura, Rania, (Kanpur Dehat) Ramabai Nagar, Kanpur, Uttar Pradesh	CS	It was submitted by UPPCB that Tendering process is under progress for execution of remediation works by UPSIDA and UPPCB.	Further, UPPCB may monitor remediation works once executed and submit monthly or quarterly progress reports.
3	Deva Road, Lucknow (Palhauri Village, Deva Road, Chinhath, Lucknow)	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR	Remediation work is not yet initiated.

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
4	India Pesticide Limited, Lucknow	CS	along templates of tender document to State of UP and UPPCB for execution of Remediation work.	UPPCB may direct responsible party to initiate remediation works as per the DPR prepared by CPCB at the earliest. Further, UPPCB may monitor the remediation works once executed by responsible party and submit monthly or quarterly progress reports.
5.	Uttardhauna, Chinhath Block, Lucknow	CS		
6.	Chakar Village Chinhath, Lucknow	CS		
7.	Dewa Road, Lucknow (Palhauri Village, Deva Road, Chinhath, 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, Remediation work is underway since 2012.	UPPCB may monitor remediation work undertaken by Responsible Party and upload status report at its website and also submit to CPCB from time to time.
9.	Lohia Nagar C Block, Ghaziabad	CS		
10.	Juhi Baburaiya (Rakhi Mandi), Kanpur	CS	Site inspected by UPPCB and submitted that hazardous waste is not present at the site.	It is observed that sampling is not carried out by UPPCB. Therefore, UPPCB may carry out detailed sampling of soil/ GW/ SW/sediment/waste and submit report with analysis results of CoCs, general parameters & heavy metals along with site visit Photographs at the earliest.
11.	Shivnagar Colony, Unnao	PCS	UPPCB has inspected the site followed by GW sampling and submitted that: (i) No dumps of hazardous waste are observed. (ii) Analysis result GW samples reveals that Magnesium, & TDS is found higher than BIS	UPPCB may carry out: (i) sampling of soil/SW/sediment and submit report with analysis results of CoCs, general parameters & heavy metals (ii) few more GW samples to ascertain GW quality.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			drinking water acceptable limit.	
12.	Nauriaya Kheda Kanpur	CS	*Site was inspected by UPPCB and submitted that scattered dumping of MSW is observed at the site.	It is observed that sampling is not carried out by UPPCB. Therefore, UPPCB may carry out detailed sampling of soil/ GW/SW/sediment/waste and submit report with analysis results of CoCs, general parameters & heavy metals along with site visit Photographs at the earliest.
13.	Motipur Village, Chakeri Ward, Near Jajmau Industrial Area, Kanpur	PCS	*Site is inspected by UPPCB and submitted that no dumping of hazardous waste is observed at the site.	*It is observed that sampling is not carried out by UPPCB. Therefore, UPPCB may carry out detailed sampling of soil/ GW/SW/sediment/waste and submit report with analysis results of CoCs, general parameters & heavy metals along with site visit Photographs at the earliest.
14.	Wajidpur, Kanpur	PCS		
15.	Devri Village, Moradabad	PCS	UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples is not submitted.	UPPCB may submit analysis report of GW samples carried out. Further, UPPCB may carry out sampling of soil/SW/sediment and submit the report with analysis results of CoCs, general parameters & heavy metals along with site visit Photographs. If analysis results exceeds standards/levels, detailed site investigation may be

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
				carried out and submit the report to CPCB.
16.	Bhuapur Village, Kaushambhi, Gaziabad, Uttar Pradesh	PCS	i. UPPCB has inspected the site followed by GW and soil sampling. ii. Analysis result of GW samples reveals that TDS, Chloride and Sulphate is found higher than BIS drinking water acceptable limit. iii. In soil samples, Copper, Chromium and Nickel reported higher than screening level.	UPPCB may initiate detailed site investigation and submit report to CPCB.
17.	Shakti Nagar, Aligarh	CS	*Site is inspected by UPPCB and accordingly, carried out GW and SW samples from nearest Domestic Drain. However, analysis results is awaited.	*UPPCB has carried out GW and SW samples. However, soil/ waste/ sediment samples are not carried out. (i) Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB. (ii) If analysis results exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
18.	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	*UPPCB has carried out only SW samples. However, soil/ waste/ GW/ sediment samples are not carried out. i. Therefore, UPPCB may carry out preliminary site investigation based

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			M/s Grasim industries limited. ii. SW samples collected and analysis results is awaited.	on the reference document of CPCB. ii. If analysis results exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
19.	Barnawa Village, Baghpat, District Meerut (Confluence point of Kali River & Hindon River)	CS	UPPCB has inspected the site followed by GW sampling. However, analysis results is awaited.	UPPCB may submit analysis result of GW samples carried out. i. UPPCB may carry out sampling of soil/SW/ sediment and submit report with analysis results of CoCs, general parameters & heavy metals and visit Photographs. ii. If analysis results exceeds the limits/ standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
20.	Firozabad	CS	*Site was inspected the site by UPPCB and submitted that except drain with piles of MSW, no dumping of hazardous waste is observed.	*UPPCB has not carried out sampling. Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB.
21.	Panki Industrial Area, Kanpur	CS	*Site was inspected the site by UPPCB and submitted that scattered dumping of MSW is observed at the site.	If analysis results exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
22.	Jaibheem Nagar, Ward No. 5, Meerut, UdevriP	CS	*Site was inspected the site by UPPCB and submitted that scattered MSW is observed beside sewage drain. The grey	

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			colored water is also observed at the drain.	
23.	Kunrwa, Jirgha Dandi, Sonebhadra District, Uttar Pradesh	PCS	*Site is inspected the site by UPPCB and submitted that sampling of GW is carried out and analysis results are awaited.	<p>*UPPCB has carried out only GW samples. However, soil/ waste/ SW/ sediment samples are not carried out.</p> <p>Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB.</p> <p>If analysis results exceed the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.</p>
24.	Dabal Village, Muzaffarnagar	PCS	<p>i. UPPCB has inspected the site followed by GW, SW, sediment and soil sampling.</p> <p>ii. Analysis result of GW, SW and soil samples reveals no contamination.</p>	It is proposed that the site may be de-listed .
25.	Jajmau Industrial Area, Kanpur	PCS	*Site was inspected by UPPCB and submitted that no dumping of hazardous waste is observed.	<p>*UPPCB has not carried out sampling.</p> <p>Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB.</p> <p>If analysis results exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.</p>
26.	Jalalpur Chooiya, Bijnor	PCS	UPPCB has inspected the site followed by GW sampling. Analysis result	UPPCB may carry out soil/ SW/ sediment sampling and submit report with analysis results of CoCs,

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			of GW samples reveal no contamination.	general parameters & heavy metals and visit Photographs.
27.	Chandenamal Village, Block Thana Bhawan, District Muzaffarnagar.	PCS	UPPCB has inspected the site followed by GW, SW, Sediment sampling. Analysis result of GW, SW, Sediment samples reveal no contamination.	It is observed that soil sampling is not done. Therefore, UPPCB may carry out soil sampling and submit report with analysis results of CoCs, general parameters & heavy metals and visit Photographs.
28.	Magarwara Industrial Area, Unnao	PCS	UPPCB was inspected and submitted that: (i) No dumps of hazardous waste are observed. (ii) GW sampling was carried out and analysis results reveal that Color, Magnesium, & TDS are found higher than BIS drinking water acceptable limit.	It is observed that soil, sediment/SW sampling is not done. UPPCB may carry out preliminary site investigation based on the reference document of CPCB including few more GW samples to ascertain GW quality and extent of contamination and submit the report to CPCB. If analysis results of the samples collected exceed the limits/ standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
29.	Chetwa, Meorpur block, District Sonbhadra, Uttar Pradesh	PCS	*Site is inspected by UPPCB and submitted that sampling of GW is carried out and analysis results is awaited.	*It is observed that soil/ waste/ SW/ sediment samples are not carried out. Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB. If analysis results of samples collected exceeds the limits/standards, detailed site investigation

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
				may be carried out and report of the same be provided to CPCB.
30.	Murdhawa Industrial Area, P.O. Renukoot Dist. Sonbhadra, Uttar Pradesh	PCS	UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveal no contamination.	<p>It is observed that soil/ waste/ SW/ sediment samples are not carried out.</p> <p>Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB.</p> <p>If analysis results of samples collected exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.</p>
31.	Singrauli Super Thermal Power Plant, Singrauli	CS	*Site is inspected by UPPCB and accordingly, carried out GW and SW samples. However, analysis results is awaited.	<p>*UPPCB has carried out GW and SW samples. However, soil/ waste/ sediment samples are not carried out.</p> <p>Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB.</p> <p>If analysis results of samples collected exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.</p>
32.	Tejab Mill Campus, Anwarganj, Kanpur	CS	*Site was inspected by UPPCB and submitted that scattered dumping of MSW is observed at the site.	<p>*It is observed that UPPCB has not carried out sampling.</p> <p>Therefore, UPPCB may carry out preliminary site investigation based on the</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
				reference document of CPCB. If analysis results of samples collected exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
33.	Ashapur Village, Fatehpur	PCS	UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveal no contamination.	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.
34.	Ranipur Village, Fatehpur	PCS		
35.	Rooma-Treatment Storage Disposal Facility, Kanpur	PCS	Information not submitted by UPPCB.	UPPCB may carry out preliminary site investigation based on the reference document of CPCB.
36.	Hindustan Laboratories, UPSIDC, Industrial Area, Naini, Allahabad	PCS	UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples with CoCs reveal no contamination.	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.
37.	Karula Nala (Drain), Moradabad	PCS	i. UPPCB has inspected the site followed by GW & SW sampling. ii. Analysis result of GW samples reveals no contamination. iii. Analysis result of SW samples reveals	It is observed that sediment samples are not carried out. UPPCB may carry out: i. few more SW samples to ascertain the quality and submit report to CPCB.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			contamination with Color & COD , as compared to CPCB SW criteria.	ii. carry out sediment sampling and submit analysis results of CoCs, with general parameters & heavy metals.
38.	Babusarai, District Bhadohi	PCS	*Site was inspected by UPPCB and submitted that no dumping of hazardous waste is observed.	*UPPCB has not carried out sampling. UPPCB may carry out preliminary site investigation based on the reference document of CPCB.
39.	Bharat Oil and Waste Management, Kanpur	PCS	*Site was inspected by UPPCB and submitted that dumped hazardous waste was disposed of after stabilization at TSDF.	*UPPCB has not carried out sampling. UPPCB may carry out preliminary site investigation based on the reference document of CPCB.
40.	Gudhrauly Village, Fatehpur	PCS	UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveal no contamination.	It is observed that soil/ waste/ sediment/SW samples are not carried out. Therefore, UPPCB may carry out preliminary site investigation based on the reference document of CPCB.
41.	Loni, UP	PCS	i. "New site" , 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,	UPPCB may carry out detailed site investigation and report to CPCB from time to time.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			<p>Sulphate higher than BIS limit</p> <p>iv. Analysis results of soil samples reveal contamination with Copper, Nickel, Lead and Zinc.</p>	
42.	Bank of River Ramganga, Moradabad, UP	CS	<p>“New site”, based on court-matter. As per direction of Hon’ble NGT, O. A. No. 621/2018, e-waste residue (black-powder) had been lifted.</p> <p>UPPCB has inspected the site followed by GW and SW sampling.</p> <ul style="list-style-type: none"> - In GW samples, COD reported. - In SW samples, COD & Lead reported higher than prescribed standards. 	<p>It is observed that soil/ sediment samples are not carried out.</p> <p>UPPCB may carry out detailed site investigation and submit the report to CPCB from time to time.</p>
43	Sansarpur Village, Chutmulpur Road, Saharanpur, Uttarakhand - 247551	PCS		<p>Earlier the site was listed in the state of Uttarakhand. However, as per the investigation by UKSPCB, it is informed that as per geo-coordinates the site is located in UP.</p> <p>UPPCB may carry out preliminary site investigation based on the reference document of CPCB.</p>
44	Mandoli & Seelampur, E-Waste site, Delhi	CS		<p>Earlier the site was listed in Delhi. However, as per the investigation by DPCC, it is informed that as per geo-coordinates the site is located in Delhi.</p> <p>UPPCB may carry out preliminary site</p>

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
				investigation based on the reference document of CPCB.

Note: Previous report is referred to CPCB summary report submitted before Hon'ble NGT on 24.06.2020.

Uttarakhand

In Uttarakhand (UK), there are 09 sites; wherein 08 sites identified as PCS and other 01 sites is as CS. Further, 01 PCS namely at 'Sansarpur Village, Chutmulpur Road, Saharanpur, Uttarakhand-247551' pertains to UP state. Hence, the said site is enlisted in the state of UP. Therefore, the total no. of sites in UK is revised to 08. Uttarakhand PCB has communicated action taken reports for following **08** Probable/ contaminated sites vide its email dated 25.11.2020. 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 UPPCB	Observations/ Suggestions by CPCB
1.	Ibrahimpur Village, Bhadarabad, Haridwar District, Uttarakhand	CS	UKPCB has inspected the site followed by sampling of GW & soil. i) Analysis results w.r.t CoCs of soil samples reveal no contamination. ii) Analysis result of GW reveals contamination with Copper & Chromium.	UKPCB may carry out detailed site investigation based on the guidance document of MoEF&CC and may also refer CPCB reference document.
2.	Village-Tansipur, Roorkee, Uttarakhand-247656	PCS	Due to unavailability of specific location as per geo-coordinates, the site was not inspected.	UKPCB may inspect the site as per given address and carry out preliminary site investigation based on the reference document of CPCB.
3	Kashipur Dist., Udham Singh Nagar Uttarakhand-244713	PCS	UKPCB has inspected the site followed by sampling of GW & soil. In GW samples, analysis result reveals no contamination	It is observed that soil samples carried out analysis report is not submitted to CPCB. Therefore, UKPCB may submit analysis results of CoCs, general

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPCB	Observations/ Suggestions by CPCB
				parameters and heavy metals. If concentrations levels found above the screening levels in soil samples, detailed site investigation may be carried out.
4.	Moradabad Road , Kashipur Distt US Nagar, Uttarakhand-244713	PCS	UKPCB has inspected the site followed by sampling of GW & soil. i) In GW samples, analysis result reveals no contamination. ii) In soil samples, analysis result reveals contamination with Copper, Zinc, Nickel & Chromium(T).	UKPCB may carry out detailed site investigation study and submit report to CPCB from time to time.
5.	Selaqui Industrial Area, Dehradun, Uttarakhand-248197	PCS	UKPCB has inspected the site followed by sampling of GW & soil. Analysis result reveals no contamination.	It is proposed that the site may be de-listed.
6.	Lalkuan Area, Dist- Nanital, Uttarakhand-262402	PCS	UKPCB has inspected the site followed by sampling of GW & soil. i) Analysis results in GW samples reveal no contamination. ii) Analysis results soil samples reveal contamination with Arsenic, Chromium(T), Copper & Lead.	UKPCB may carry out detailed investigation study and submit the report to CPCB at the earliest.
7.	Jasodhar Industrial area, Distt pauri-246149	PCS	UKPCB has inspected the site followed by sampling of GW & soil. Analysis result reveals no contamination.	It is proposed that the site may be de-listed.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPCEB	Observations/ Suggestions by CPCB
8.	Ramnagar Industrial Area and its adjoining area, Uttarakhand-244715	PCS	UKPCB has inspected the site followed by sampling of GW & soil. i) Analysis results GW samples reveal no contamination ii) Analysis results soil samples reveal contamination with Arsenic, Copper, Chromium(T), Lead, Nickel & Zinc.	UKPCB may carry out detailed site investigation study and submit the report to CPCB from time to time.

West Bengal

WBPCB has informed vide email communication dated 02.12.2020 that the physical inspection of all the 06 probable/contaminated sites could not be carried out due to prevailing Covid-19 pandemic situation in West Bengal. In this regard, WBPCB submitted that inspection of all 06 sites and report can be submitted by 31.03.2021. A copy of email communicated dated 02.12.2020 is annexed at **Annexure-XI**. Status of remediation work 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.

Annexure-VII

Details of 20 sites wherein Detailed Project Reports (DPRs) prepared/on-going*:

S. No.	Name of the Site	Status of DPR	Suggestions of CPCB
Kerala (03)			
1.	Kuzhikandom Thodu (Creek), Kerala	DPR is completed under NCEF project of MoEF&CC and CPCB. Tendering process is under progress for execution of remediation work by Kerala State/ Kerala SPCB.	Kerala SPCB may monitor remediation works, once initiated and submit monthly or quarterly progress reports.
2.	Edayar, Edayattuchal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of Kerala and Kerala SPCB for execution of Remediation work.	Since hazardous waste is still lying at the site and Remediation work is not yet initiated, Kerala SPCB may direct responsible party to lift and disposed of waste from the said sites in an environmental sound manner followed by remediation as per the DPR prepared by CPCB. Further, Kerala SPCB may monitor the remediation works executed by responsible party and submit monthly or quarterly progress reports.
3.	Edayar, Chakkarachal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)		
Madhya Pradesh (03)*			
4.	Sajjan Chemicals - Plot No ; 54 E Dosigoan Industrial Area, Ratlam, Madhya Pradesh	(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.	After finalization of DPR, MPPCB may direct responsible party to lift and disposed of the waste laying at pit through environmental safe manner followed by remediation works. Further, MPPCB may monitor the remediation works executed by responsible party and submit monthly or quarterly progress reports.

S. No.	Name of the Site	Status of DPR	Suggestions of CPCB
		(iii) Hazardous waste is still lying at the premises.	
5.	Sajjan chemical Pvt Ltd (Plot No - 61 B, Dosigaon Industrial Area, Ratlam), MP	<p>(i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress.</p> <p>(ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with color, TDS Chloride and Sulphate.</p> <p>(iii) Hazardous waste had been lifted and disposed through TSDF.</p>	<p>After finalization of DPR, MPPCB may direct responsible party to execute remediation works.</p> <p>Further, MPPCB may monitor the remediation works once executed by responsible party and submit monthly or quarterly progress reports.</p>
6.	M/s Jayant Vitamin, Ratlam, MP	<p>(i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress.</p> <p>(ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with color, TDS Chloride and Sulphate.</p> <p>(iii) No historical waste dump was found, except old industrial equipments and chemical storage tanks as per detailed investigation report.</p>	<p>After finalization of DPR, MPPCB may direct responsible party to dispose of through environmentally sound mechanism the old industrial equipment and chemical storage tanks from the said premises followed by remediation works.</p> <p>Further, MPPCB may monitor the remediation works once executed by responsible party and submit monthly or quarterly progress reports.</p>
Odisha (01)			

S. No.	Name of the Site	Status of DPR	Suggestions of CPCB
7.	Dumpsite JCL-I (Outside the Premises of M/s Jayshree Chemicals Ltd Near Rushikulya River)	DPR is prepared under NCEF project of MoEF&CC and CPCB. Remediation work has been initiated. Progress is as below:	Odisha SPCB may monitor the remediation works as per the DPR. Responsible party may be directed to submit monthly or quarterly progress reports.
8.	Dumpsite JCL-III (Outside the Premises of M/s Jayshree Chemicals Ltd Near Rushikulya River)	<ul style="list-style-type: none"> - Unit had constructed new guard pond for storage of treated effluent. - NOC obtained from CGWB for installation of abstraction wells to remediate groundwater as per DPR. 	
9.	Jayashree Chemicals, Ganjam	OSPCB has directed unit to set-up New secured landfill to dispose of hazardous waste as a part of remediation activity.	
10.	Site OCL-I, ORICHEM abandoned site (inside the premises of M/s Orichem Ltd and also outside the boundary of wall), Talcher, Odisha	DPR is prepared under NCEF project. Accordingly, CPCB communicated the final DPR along templates of tender document to State of Odisha and Odisha SPCB for execution of Remediation work.	<p>Since hazardous waste is still lying at the site and Remediation work is not yet initiated, Odisha SPCB may direct responsible party to lift and disposed of waste from the site in an environmental sound manner followed by remediation as per the DPR prepared by CPCB at the earliest.</p> <p>Further, Odisha SPCB may monitor the remediation works executed by responsible party and submit monthly or quarterly progress reports.</p>
Tamil Nadu (01)			
11.	TCCL, Ranipet , Tamil Nadu	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of TN and TNPCB for	Since hazardous waste is still lying at the site and Remediation work is not yet initiated, TNPCB may direct responsible party to lift and disposed of waste from the site

S. No.	Name of the Site	Status of DPR	Suggestions of CPCB
		execution of Remediation work.	in an environmental sound manner followed by remediation as per the DPR prepared by CPCB at the earliest. Further, TNPCB may monitor the remediation works once executed by responsible party and submit monthly or quarterly progress reports.
Telangana (01)			
12.	Noor Muhammad Kunta Lake, Katedan Industrial Estate, Hyderabad	Detailed Project Report (DPR) prepared for remediation of Noor Muhammad Kunta (NMK) Lake under Capacity Building for Industrial Pollution Management Project (CBIPMP) by MOEF&CC and TSPCB. However, the remediation works could not be taken-up due to the status quo orders issued by the Hon'ble High Court of Telangana & AP in WP No. 39864 of 2014.	As the DPR prepared, remediation of NMK Lake is required. Further, TSPCB may initiate necessary action to implement remediation works once Hon'ble Court case disposed of.
Uttar Pradesh (07)			
13.	Khanchandrapuri, Rania Kanpur Dehat	DPR is prepared under NCEF project. Accordingly, CPCB communicated final	It is submitted that Remediation work is not yet initiated and also hazardous waste is still lying at the site. Further, UPPCB may monitor remediation works once executed and submit monthly or quarterly progress reports.
14.	Shivnathpura, Rania, (Kanpur Dehat) Ramabai Nagar, Kanpur, Uttar Pradesh	DPR along templates of tender document to State of UP and UPPCB for execution of Remediation work. It was submitted by UPPCB that Tendering process is underway for execution of remediation works by UPSIDA and UPPCB.	
15.	Deva Road, Lucknow (Palhauri Village, Deva	DPR is prepared under NCEF project. Accordingly, CPCB communicated final	Remediation work is not yet initiated.

S. No.	Name of the Site	Status of DPR	Suggestions of CPCB
	Road, Chinhat, Lucknow)	DPR along templates of tender document to State of UP and UPPCB for execution of Remediation work.	UPPCB may direct responsible party to initiate remediation works as per the DPR prepared by CPCB at the earliest. Further, UPPCB may monitor the remediation works once executed by responsible party and submit monthly or quarterly progress reports.
16.	India Pesticide Limited, Lucknow		
17.	Uttardhauna, Chinhat Block, Lucknow		
18.	Chakar Village Chinhat, Lucknow		
19.	Dewa Road, Lucknow (Palhauri Village, Deva Road, Chinhat, Lucknow)		
West Bengal (01)			
20.	Nibra Industrial Area, Howrah, West Bengal	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.

List of 7 sites for which preliminary assessment works are on-going:

S. No.	Name of the Site	Action taken/initiated by SPCB	Suggestions of CPCB
Andhra Pradesh (02)			
1.	Uranium Tailings pond of M/s. UCIL, Tummalapalli, Kadapa District, AP	<p>“New site”, identified through Public complaint.</p> <p>Accordingly, APPCB informed that the study has been awarded to group of Institutions namely, IIT-Madras, Sri Venkateswara Institute of Medical Sciences, ICAR-Indian Agricultural Research Institute & National Research Centre for Banana, TN for identifying source of GW contamination, Environmental epidemiological & toxicology and fact finding survey.</p> <p>However, due to the current Covid-19 pandemic situation, they have been unable to collect additional samples for the past 6 months which has caused unexpected delays for completion of the project and pending work is expected to be completed between 6-8 months from now, if there is no further deterioration of pandemic situation.</p>	APPCB may submit progress report of the site investigation study to CPCB.
2.	M/s L. G. Polymers (I) Pvt. Ltd., R.R. Venkatapuram, Pendurthy Mandal, Vishakhapatnam, AP-530029	<p>“New site”, In reference to the Styrene Leak at M/s LG Polymers Pvt Ltd, Visakhapatnam, Andhra Pradesh, the Hon’ble NGT, Principal Bench, taken up the matter on suo-motu in O.A. No. 73/2020 vide orders dated 08.05.2020.</p> <p>APPCB has informed that in compliance to the Hon’ble NGT order dated 01.06.2020 in O.A No. 73 of 2020, a study on “Assessment of environmental damages and preparation of restoration plan for air, water & soil environment due to styrene gas leakage incident at Visakhapatnam” has been awarded to NEERI, Hyderabad on 09.09.2020 by CPCB.</p>	APPCB may submit progress report of the study to CPCB.

Maharashtra (05)			
3.	Mithi River, Mumbai, Maharashtra	<p>MPCB issued direction u/s 5 of E(P)A 1986 to Municipal Corporation of Greater Mumbai (MCGM).</p> <p>The work of preliminary site assessment is awarded to CSIR-NEERI and proposal is submitted.</p>	MPCB may submit the compliance status of directions issued to MCGM and also submit status report on assessment works to CPCB.
4.	Deonar, Mumbai, Maharashtra 400088	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(iv) MSW was being dumped at the site. No processing unit, Leachate collection and treatment plant was observed. The said dumping site is surrounded by slums towards the West and Thane Creek towards the East.</p> <p>(v) Sampling of soil, GW and surface-water was carried out.</p> <p>Analysis results are awaited.</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 along of Soil, SW, Sediment & GW samples.</p> <p>Site assessment report is awaited.</p> <p>MPCB may expedite site assessment work and submit the report to CPCB at the earliest.</p>
5.	Tarapur Industrial area, Tarapur, Thana dist.- 401504, 401506	<p>MPCB has awarded the site assessment work to CSIR-NEERI and work is under progress. Further, MPCB requested as below:</p> <ul style="list-style-type: none"> - Visit to all sites for post monsoon reconnaissance, collection of surrounding details, especially for Kalyan, and Tarapur sites. - Post monsoon sampling at all four sites (December 2020-January 2021) - Pre monsoon sampling at all four sites (April-May 2021) - Submission of the final report with a clear and scientific conclusion on the status of contamination and further course of action needed. 	<p>Site assessment report is awaited.</p> <p>MPCB may expedite site assessment work and submit the report to CPCB at the earliest.</p>
6.	Nashik, MIDC (Industries located in MIDC Area)		
7.	Karavale village, Kalyan, Maharashtra		

Annexure-IX

A. With regard to directions of Hon'ble NGT that 5 sites should be remediated within a period of 6 months, remediation works have been initiated in 3 sites in Odisha and 2 sites in UP where tendering is underway. In addition, one more site in Kerala has also been initiated tendering process. Details of the 6 sites is given below:

S. No.	Name of the Site	Action taken/Initiated by SPCB	Suggestions by CPCB
Odisha (03)			
1.	Dumpsite JCL-I (Outside the Premises of M/s Jayashree Chemicals Ltd Near Rushikulya River)	DPR is prepared under NCEF project of MoEF&CC and CPCB. Remediation work has been initiated. Progress is as below: - Unit had constructed new guard pond for storage of treated effluent.	Odisha SPCB may monitor the remediation works as per the DPR. Responsible party may be directed to submit monthly or quarterly progress reports.
2.	Dumpsite JCL-III (Outside the Premises of M/s Jayashree Chemicals Ltd Near Rushikulya River)	- NOC obtained from CGWB for installation of abstraction wells to remediate groundwater as per DPR.	
3.	Jayashree Chemicals, Ganjam	OSPCB has directed unit to set-up New secured landfill to dispose of hazardous waste as a part of remediation activity.	
Kerala (01)			
4.	Kuzhikandom Thodu (Creek), Kerala	DPR is completed under NCEF project of MoEF&CC and CPCB. Tendering process is under progress for execution of remediation work by Kerala State/ Kerala SPCB.	Kerala SPCB may monitor remediation works, once initiated and submit monthly or quarterly progress reports.
Uttar Pradesh (02)			
5.	Khanchandrapuri, Rania Kanpur Dehat	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.	It is submitted that Remediation work is not yet initiated and also hazardous waste is still lying at the site.
6.	Shivnathpura, Rania, (Kanpur Dehat) Ramabai Nagar, Kanpur, Uttar Pradesh	It was submitted by UPPCB that Tendering process is underway for	

S. No.	Name of the Site	Action taken/Initiated by SPCB	Suggestions by CPCB
		execution of remediation works by UPSIDA and UPPCB.	Further, UPPCB may monitor remediation works once executed and submit monthly or quarterly progress reports.



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STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA]

Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII
Bhubaneswar - 751 012, India

No 10901 /IND-IV-HW-MISC-200

Dt 03-11-2020

By E-mail : adaba.cpcb@nic.in / hwmd.cpcb@nic.in

To

**The Member Secretary
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
New Delhi - 110032**

Sub: **Minutes of the virtual meeting with SPCBs/PCC held on 02.09.2020 to review the compliance status of Hon'ble NGT in the matter of O.A. No. 804 of 2017 order dated 01.07.2020 (uploaded dated 07.07.2020); Rajiv Narayan & Anr. Vs. UOI & Ors w.r.t contaminated sites in India – reg**

Sir,

With reference to above, it is to intimate you that, we have already submitted the preliminary investigation reports of all the contaminated and probable contaminated sites of Odisha to CPCB, New Delhi. Pursuant to the letter of CPCB, we have again intimated all the Regional Officers to collect samples and submit the samples to Central Laboratory of SPCB, Odisha. However, due to prevailing Covid-19 pandemic the Regional Officers have not complete the work.

Therefore, you are requested to allow us 2 months more time to submit the reports.

Yours faithfully

Member Secretary

Memo No. 10902 Dtd. 03-11-2020 By E-mail: remediation.cpcb@gov.in / grbabu.cpcb@nic.in

Copy forwarded to the Scientist - D (WM - I) & Head, Law Division, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 110032 for information and necessary action.

Chief Environmental Engineer

Email

gargib.cpcb@gov.in

Re: Compliance to the directions of Hon'ble NGT, Principal Bench, New Delhi, in the matter of O.A. No. 804/2017; Rajiv Narayan & Anr. Vs. UoI & Ors w.r.t contaminated sites - reg

From : SISIR MONDAL <aee26.wbpcb-wb@bangla.gov.in>

Wed, Dec 02, 2020 01:30 PM

Subject : Re: Compliance to the directions of Hon'ble NGT, Principal Bench, New Delhi, in the matter of O.A. No. 804/2017; Rajiv Narayan & Anr. Vs. UoI & Ors w.r.t contaminated sites - reg**To :** Gargi Biswas <gargib.cpcb@gov.in>, Contaminated Sites <remediation.cpcb@gov.in>**Cc :** cta wbpcb <cta.wbpcb@gmail.com>

Madam,

With reference to order of the Hon'ble NGT, Principal Bench, New Delhi, in the matter of Original Application No. 804/2017, I am directed to intimate you that out of six contaminated sites, most of them are closed or not in operation. Physical inspection of all the contaminated sites could not be made possible due to prevailing pandemic situation in West Bengal. However, efforts are being made to carry out the inspection to understand the present status so that, the compliance report can be submitted to your good office by 31st March, 2021. Delay in submission of the report may kindly be considered.

With Regards,,

S. Mondal,
Waste Management Cell, WBPCB

Email

G Rambabu Scientist D

Compliance to the direction of Hon'ble NGT, Principal Bench, New Delhi, in the matter of O.A. No. 804/2017: Rajiv Narayan & Anr. Vs Ors w.r.t. contaminated sites

From : pspankaj@yahoo.com

Mon, Jan 25, 2021 01:39 PM

Subject : Compliance to the direction of Hon'ble NGT, Principal Bench, New Delhi, in the matter of O.A. No. 804/2017: Rajiv Narayan & Anr. Vs Ors w.r.t. contaminated sites

To : G Rambabu Scientist D <grbabu.cpcb@nic.in>

Reply To : prem pankaj <pspankaj@yahoo.com>

This has reference to Hon'ble NGT in the matter of Original Application No. 804/2017, it is to intimate that 23 probable contaminated sites/contaminated sites identified in Delhi, physical inspection and sampling of few probable/contaminated sites could not be made due to prevailing pandemic situation./

It is informed that the assessment of contaminated sites is in progress and may take some more time. The assessment report shall be submitted to CPCB by end of March, 2021. Delay in submission of the report may kindly be considered.

With Regards
P.S. Pankaj,
Incharge CMC-I,
Delhi Pollution Control Committee,
Mob:- 9717593517
