

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI
M.A. NO. 1302/2018
IN
ORIGINAL APPLICATION NO. 804/2017**

IN THE MATTER OF:-

RAJIV NARAYAN & ANR.

VERSUS

APPLICANT

UNION OF INDIA & ORS.

RESPONDENTS

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DATE: 23.07.2019
 PLACE: DELHI

Final Report of Monitoring Committee on Management of Hazardous Waste

(in the matter of O. A. No. 804/2017 and M. A. No. 1302/2018)



July, 2019

CENTRAL POLLUTION CONTROL BOARD
Ministry of Environment, Forest and Climate Change
Govt. of India

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ABBREVIATIONS

MoEF&CC	Ministry of Environment, Forest & Climate Change
CPCB	Central Pollution Control Board
SPCB/PCC	State Pollution Control Board/Pollution Control Committee
HOWM 2016	Rules, Hazardous and Other Waste (Management, Handling and Transboundary Movement)Rules, 2016
SC	Supreme Court
SCMC	Supreme Court Monitoring Committee
NEP, 2006	National Environment Policy, 2006
HW	Hazardous Waste
CBIC	Central Board of Indirect Taxes and Customs
CFS	Container Freight Stations
ICDs	Inland Container Depots
DG (S)	Director General Shipping
DGFT	Directorate General of Foreign Trade
DGFASLI	Directorate General, Factory Advice and Labour Institutes
ESIC	Employees' State Insurance Corporation
CT	Clean Technology

3. CONTAMINATED SITES AND RELATED ISSUES

The Applicant has raised serious concern over the delay in remediation of contaminated sites in the country. During the discussions with applicant, he has submitted that though many sites have been identified by MoEF&CC as probable contaminated sites, there could be many more such contaminated sites which have not been listed so far. Applicant further cited the instances wherein Hon'ble NGT has directed remediation of groundwater, which was contaminated due to industrial discharges and even imposed environmental compensation cost.

In this context, the Monitoring Committee referred to the directions of the Hon'ble apex court in the matter of W. P. (C) No. 657/1995 dated 14.10.2003 and noted that the SPCBs/PCCs were given three months for preparation of inventories regarding waste dump sites and rehabilitation plan. Thereafter, CPCB was required to cross check and also evaluate the rehabilitation plan in four months. Subsequently, SPCBs/PCCs were required to fix the time frame for implementation of the rehabilitation plan within 03 months. The Hon'ble apex court in its judgment dated 06.07.2012 has further dealt the issue and referred to the contamination of environment ecology and fragile marine bio diversity due to dumping of hazardous waste.

In compliance with the Hon'ble apex court orders, CPCB had prepared a list of 141 hazardous waste dump sites based on the information received from the SPCBs/PCCs. After the rehabilitation of hazardous waste dumped at such sites the number of dump sites was reported to be reduced to 69 across 10 states by year 2010-11.

Later on, in 2012, MoEF&CC engaged an expert consultant under "Capacity Building for Industrial Pollution Management Project (CBIPM Project)", to identify probable contaminated sites for preparation of inventory. This task was supported by another assignment under the same project wherein "Guidance document for assessment and remediation of contaminated sites in India" was developed. Based on these guidelines, 320 probable contaminated sites were identified in year 2014-15. In addition to these 320 probable contaminated sites, SPCBs informed about 09 additional sites thereby making total probable contaminated sites to 329. Further, out of the 320 probable contaminated sites, 100 sites were selected for preliminary assessments based on the following criteria:

- ✓ Sites with the expected highest risk to humans and the environment
- ✓ High priority sites according to request from MoEF&CC, CPCB, SPCBs/PCCs and other stakeholders
- ✓ Source of industry
- ✓ Types of contamination
- ✓ Type of activity
- ✓ Type of land use
- ✓ Types of contaminants
- ✓ Size of site (area)
- ✓ Geographical distribution

Accordingly, 08 sites out of 100 were considered not necessary for further detailed assessment, while as many as 92 sites were considered as contaminated and needed further detailed investigation.

As informed by CPCB, out of aforesaid 92 contaminated sites, 21 sites have been selected for detailed assessment and Preparation of DPRs for remediation under following projects/studies:

- ✓ NCEF Project - 16 sites
- ✓ CBIPM Project - 2 sites
- ✓ Others Studies - 3 sites

The current status of DPRs for aforesaid 21 sites is reported to be as follows:

- ✓ NCEF Project - 13 completed and remaining will be completed by November, 2019.
- ✓ CBIPM Project - 2 completed
- ✓ Others studies - 3 completed

CPCB has informed that DPRs prepared under NCEF project have been forwarded to the respective State Govt. and SPCBs for necessary execution of remediation works. Further studies were not continued since, NCEF project has been discontinued by Govt. of India.

CPCB further informed that in addition to aforesaid 100 sites, detailed assessments were carried out in 34 more sites under CBIPM Project, NCEF Project and Other studies. Total 55 contaminated sites, wherein detailed assessment/ DPR preparations/remediation works are under progress. List of these 55 contaminated sites is appended at **Annexure-19**.

Therefore, total 134 contaminated sites out of 329 have been selected for preliminary/detailed assessment/remediation. List of these contaminated sites is appended at **Annexure-20**.

CPCB further informed that they are in the process of preparing guidelines for identification and assessment of the contaminated sites based on "Guidance Document for Assessment and Remediation of Contaminated Sites in India" published by MoEF&CC in the year 2017, which is available on MoEF&CC website. MoEF&CC has already prescribed screening criteria for such probable contaminated sites in the aforesaid guidance document. Based on such guidance document, CPCB intends to prepare and publish a concise guideline for identification and assessment of contaminated sites in India within next 03 months. Such document shall be used by the SPCBs/PCCs to carry out uniform, consistent and scientific approach for identification and assessment of identified contaminated sites as well as any new additional probable contaminated sites.

The present approach of remediation is based on environmental, ecological and human health risks associated with contaminants, site specific conditions and envisaged end use of the remediated site, which determines the target level of remediation. Remediation technique will be site as well as contaminant specific.

The actual remediation work on the sites for which DPRs are already available, is unfortunately getting unduly delayed due to one or another reasons including the financial arrangements. As per DPRs prepared

under NCEF Project, estimated cost of remediation for 17 contaminated sites is about Rs. 900 crore. There are certain proposals with Central as well as State Govt. to support these programs on priority basis. However, Committee was informed that no specific time frame has been fixed for such remediation projects.

3.1. OBSERVATIONS

- (i) The contaminated site is a complex and multi faceted problem and therefore scientific remediation essentially needs site specific and contaminant specific approach. The Committee has observed that there is a need of awareness and capacity building in SPCBs/PCCs on the entire remediation process including identification, detailed assessment, DPR preparation, and execution of remediation. In this regard, Committee notes that CPCB is already working on the development of guidelines for uniform identification and assessment of probable contaminated sites. Such guidelines will bring consistency and uniformity in dealing with the contaminated sites issues across the country.
- (ii) The Committee notes with regret that even today, there are 195 probable contaminated sites (329-134), needing a thorough assessment for its confirmation as contaminated site or otherwise. Such a delay will not only cause continual environmental pollution but also might result into encouraging the respective polluters to continue with their activities without facing Rule of the Law. List of these probable contaminated sites is appended as **Annexure-21**.
- (iii) The Committee notes that although the DPRs of 17 sites out of 21 are completed under NCEF Project and the same have been forwarded to respective State Govt. and SPCBs; however, no remediation efforts have been initiated at such sites. Even preliminary remedial measures such as lifting of hazardous waste dumped at such sites to prevent further ingress of hazardous waste contamination have not been taken. In fact, this is the first regulatory intervention that is required to be taken at state level that should have been prioritized.
- (iv) The Committee notes from the discussion with CPCB and SPCBs that there are certain issues and concerns related to financing of such remediation projects. The Committee while taking note of public trust doctrine read with provisions of section 9 of Environment (Protection) Act, 1986, opines that it is the duty of the Government, both Central and State, to protect environment by taking remedial measures irrespective of the financial arrangements which seems to be a matter of ongoing deliberations. Therefore, the Committee is of the strong opinion that SPCBs/PCCs, irrespective of financial constraints, should take up on priority not only remediation projects at the sites where DPRs have been prepared but also the assessment of 195 sites, as mentioned earlier, besides any new addition of potentially contaminated site, if any.
- (v) The Committee notes that entire exercise of identification, assessment and remediation of contaminated site is technically a very complex subject; even execution of remediation projects would require necessary inter-disciplinary expertise at the SPCBs/PCCs. The CPCB/SPCBs/PCCs may find difficulty to work on these

aspects unilaterally and there has to be certain level of coordination and information sharing among these agencies, preferably coordinated by CPCB, besides developing a capacity building network of academic and research institutes which can help in creating an “Expertise Pool”. The Committee notes that, as a part of such capacity building efforts, specific action research programs can be initiated by these agencies and more particularly professional courses on remediation and restoration can be sponsored at academic/research institutions, which will help to create a critical mass of expertise in this subject.

3.2. RECOMMENDATIONS

1. CPCB/SPCBs/PCCs to ensure that the hazardous waste accumulated at all such identified sites shall be disposed of either through Treatment, Storage and Disposal facilities (TSDFs) or on-site secured landfilling on priority to stop further contamination.

Agency Responsible: SPCBs/PCCs/CPCB (06 months)

2. CPCB/SPCB/PCCs shall ensure that there is no further ingress and dumping of hazardous waste at the identified probable and confirmed contaminated sites. There should be at least quarterly inspections to verify the same. If site is located at industrial area, the site shall be protected by concerned Industrial Development Corporation, and by the concerned District Administration, if the site is not in industrial area.

Agency Responsible: Industrial Development Corporation / District Administration (03 months)

3. The Committee recommends that issues related to financial arrangements for the proposed remediation projects shall be resolved immediately so that the remediation works as proposed in DPRs can be undertaken on priority. There should not be any further delay as Central and State Govt. are required to ensure environmental protection in view of public trust doctrine and also section 9 of the Environment (Protection) Act, 1986. Committee also notes that DPRs are of 2017-18 and 2018-19 and if no action is taken in a reasonable time for execution of remediation works, these DPRs may need revision/updating. A compliance report shall be submitted to Hon’ble Tribunal.

Agency Responsible: MoEF&CC/State Govt. (06 months)

4. The Committee recommends that in order to ensure effective implementation of the remediation plan at State Level, Empowered Monitoring Committee, chaired by Principal Secretary, Department of Environment, concerned State Govt. having representatives from department of Industries, SPCB/PCC, Groundwater Development Agency, etc. shall be constituted.

Agency Responsible: State Govt. (04 months)

5. CPCB shall publish the guidelines for identification and assessment of contaminated sites, which shall be used for consistent and uniform application across the county.

Agency Responsible: CPCB (03 months)

6. The Committee recommends that the assessment of remaining probable 195 sites and new additional potentially contaminated

sites, if any, recommended by CPCB/SPCBs/PCCs, shall be completed within a period of 1 year after publication of such guidelines.

Agency Responsible: CPCB/SPCBs/PCCs (01 year)

7. The Committee also is of the opinion that there needs to be an annual status report for all such potential and confirmed contaminated sites which can be prepared by SPCBs/PCCs, and submitted to CPCB. CPCB can verify the information, as may be required, and publish the same as “Annual Inventory of contaminated sites in India”. The necessary format, timelines etc. can be circulated by CPCB.

*Agency Responsible: CPCB (01 month)
SPCBs/PCCs (06 months)*

8. There is a need of capacity building in the field of remediation and MoEF&CC/CPCB/SPCBs/PCCs shall undertake action research and also promote academic courses on this subject in association with academic and research institutions. There needs to be annual budget for such purpose and possibilities of recovering the amount from the HW generating industries, as per order dated 14.10.2003, can be examined.

*Agency Responsible: MoEF&CC/CPCB/
SPCBs/PCCs (06 months)*

8. SUMMARY OF OBSERVATIONS AND RECOMMENDATIONS

The Monitoring Committee has reviewed various aspects of orders of Hon'ble Supreme Court with regard to effective compliance of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and related issues. The summary of observations along with proposed actions to be taken by responsible agency and timeline has been tabulated below for consideration of Hon'ble Tribunal to issue suitable directions, if necessary.

Sr.No.	Observations	Proposed Actions (Responsible Agency and timeline of action)
I. CONTAMINATED SITES AND RELATED ISSUES		
1.	<p>Disposal of hazardous wastes accumulated at identified sites:</p> <p>(i) The Committee has observed that there are several contaminated dumpsites in various parts of country where hazardous and other wastes were dumped historically, which resulted in contamination of soil, groundwater and surface water thereby posing health and environmental risks.</p>	<p>(i) CPCB/SPCBs/PCCs to ensure that the hazardous waste accumulated at all such identified sites shall be disposed of either through Treatment, Storage and Disposal Facilities (TSDFs) or on-site secured landfilling (SLF) on priority to stop further contamination</p> <p>(CPCB/ SPCBs/PCCs: 06 months)</p>
2.	<p>Guidelines for Identification and Assessment of Contaminated Sites:</p> <p>(i) The Committee notes that CPCB is working on standard uniform identification and assessment guidelines for the probable contaminated sites and any new additional sites, such guidelines will bring a consistency and uniformity in dealing with the contaminated sites issues.</p>	<p>(i) For a consistent and uniform application and approach across the country, guidelines for identification and assessment of contaminated sites shall be published.</p> <p>(CPCB: 03 months)</p>
3.	<p>Assessment and remediation of Contaminated sites:</p> <p>(i) The Committee has observed that there is a need of awareness and</p>	<p>(i) Capacity building program for officials of SPCBs/PCCs on the entire process of remediation, which may include practical training on use of tools for soil and groundwater screening</p>

	<p>capacity building in SPCBs/PCCs on the entire remediation process including identification, detailed assessment, DPR preparation and execution of remediation.</p> <p>(ii) Further, the committee notes with regret that even today there are about 195 probable contaminated sites (329-134) which needs a thorough assessment for its confirmation as contaminated site or otherwise. Though the DPRs of 17 sites out of 21 are prepared under NCEF Project and the same have been forwarded to respective State Governments and State Boards. However, no remediation efforts have been initiated at such sites.</p>	<p>such as hand-held XRF instruments, Colorimeter, PID for VOCs/ SVOCs, hand operated augers, groundwater pumps, level meters, etc. shall be organized by CPCB.</p> <p>(CPCB: 06 months)</p> <p>(ii) Assessment of about 195 probable contaminated sites and any new additional sites recommended by CPCB/SPCBs/PCCs shall be completed within period of 1 year after publication of such guidance document by CPCB.</p> <p>(CPCB/SPCBs/PCCs: 1 year)</p> <p>(III) For effective implementation of the remediation plan at State level, Empowered Monitoring Committee chaired by Principal Secretary, Department of Environment having representatives from department of Industries, SPCB/PCC, Ground water development agency, etc. shall be constituted.</p> <p>(State Govt: 04 months)</p>
<p>4.</p>	<p>Financial Arrangements for remediation of contaminated sites:</p> <p>(i) The Committee while taking note of public trust doctrine read with provisions of section 9 of E (P) Act, it is the duty of the Govt. both Central and State to protect environment by taking remedial measures irrespective of the financial arrangements which seems to be a matter of ongoing deliberations.</p>	<p>(i) Financial arrangements between Central-State Governments for the proposed remediation projects shall be resolved immediately so that the remediation works as proposed in DPRs can be undertaken on priority. These DPRs (2017-18 and 2018-19) may need to be revisited if no action is taken in a reasonable time for execution of remediation works.</p> <p>(ii) Govt. should take up on priority not only remediation projects at the sites where DPRs have been prepared but also the assessment of about 195 sites, besides any new addition of potentially contaminated site, if any.</p> <p>(MoEF&CC/State Govt.: 06 months)</p>

<p>5.</p>	<p>Networking of Academic and Research Institutes:</p> <p>(i) Execution of remediation program would require necessary inter-disciplinary expertise at the SPCBs/PCCs. The CPCB/SPCBs/PCCs may find it difficult to work on these aspects unilaterally and therefore there has to be coordination and information sharing among these agencies beside developing a network of academic and research institutes which can help in creating an “Expertise Pool”.</p> <p>(ii) The committee also notes that a part of such capacity building efforts specific action research programs can be initiated by these agencies and more particularly professional courses on remediation and restoration can be sponsored at academic/research institution which will help to create a critical mass of expertise in this subject.</p>	<p>(i) MoEF&CC/CPCB/SPCBs/PCCs shall undertake action research and also promote academic courses on this subject in association with academic and research institutions.</p> <p>(MoEF&CC/CPCB/SPCBs/PCCs: 06 months)</p>
<p>II. IMPORT AND EXPORT OF HAZARDOUS WASTES AND ISSUES</p>		
<p>5.</p>	<p>Disposal of illegally imported consignments:</p> <p>(i) In case of confiscated items, responsibility to dispose lies with Customs. CBIC vide Circular No.31/2004-Cus, dated 26-4-2004 has referred to the orders of the Hon’ble Supreme Court in the matter of WP(C) 657/1995 for disposal of</p>	<p>(i) The customs circular dated 26-4-2004 requires amendment by Central Board of Indirect Taxes and Customs (CBIC) and it is recommended that CBIC to also devise policy framework for speedy disposal and bearing the cost of disposal of confiscated consignments (illegal / banned and non-conformity to the specifications of the products as applicable / as per Schedule V of HOWM Rules, 2016).</p>

List of ongoing Project on Contaminated Sites					
Sr. No.	Site o	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
Andhra Pradesh (01 site)					
1.	Kadapa Dump site, Kadapa, Andhra Pradesh	14.285196	78.50386	Lead, Zinc and other heavy metals	Under CBIPMP, Closure & containment works is under progress.
Gujarat (01 site)					
2.	Effluent Channel Project Limited (ECPL) (Baroda Effluent Canal) Vadodara and Bharuch District	22.342609	73.151402	Volatile Organic Compound	Remediation works initiated by group of industries
Kerala (04 sites)					
3.	Kuzhikandom Thodu, Kerala	10.079547	76.294582	DDT, Endosulfan, Dicofof, Ammonium Phosphate and Ammonium Sulfate, Thorium oxalate, Rare-earth fluoride and Rare-earth chloride, Thiozoles, Sulphamides and antioxidants.	DPR prepared for execution of actual remediation works under NCEF project.
4.	Ammanthuruthu- Karipadam	10.083385	76.288432	DDT, Endosulfan, Dicofof, Ammonium Phosphate and Ammonium Sulfate, Thorium oxalate, Rare-earth fluoride and Rare-earth chloride, Thiozoles, Sulphamides and antioxidants.	DPR prepared for execution of actual remediation works under NCEF project.
5.	Edayar, Edayattuchal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)			Zinc and its compounds	DPR prepared for execution of actual remediation works under NCEF project.
6.	Edayar, Chakkarachal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)			Zinc and its compounds	DPR prepared for execution of actual remediation works under NCEF project.

List of ongoing Project on Contaminated Sites						
Sr. No.	Site o	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
Madhya Pradesh (04 sites)						
7.	Sajjan Chemicals (now Kataria wires Ltd)-Plot No : 54 E Dosiogan Industrial area, Ratlam, Madhya Pradeh	23.357857	75.045467	Lead	DPR preparation is ongoing under NCEF project	
8.	Sajjan chemical Pvt Ltd (Plot No -61 B, Dosiagan Industrial Area, Ratlam)	23.360211	75.047161	Lead	DPR preparation is ongoing under NCEF project	
9.	Sajjan chemical Pvt Ltd (Khandarwesa Mines, Near Nimali Village)	23.487821	75.065871	Lead	DPR preparation is ongoing under NCEF project	
10.	M/s Jayant Vitamin, Ratlam-457001	23.330447	75.043353	Sulphate, Chlorides, Aluminium, Iron	DPR preparation is ongoing under NCEF project	
Maharashtra (01 site)						
11.	M/s Godavari Bio-Refineries, Ahmed Nagar District, Maharashtra	19.8233337	74.56901795	Colour and COD, SO _x , Chlorides and volatile fatty acids	Remediation works initiated by group of Industries	
Orissa (05 sites)						
12.	ORICHEM abandoned site, Talcher, Orissa-	20.925735	85.17287	Chromium VI	DPR prepared for execution of actual remediation works under NCEF project.	
13.	Site NALCO-II, M/s National Aluminum Co. Products, Angul	20.821955	85.158576	Fluoride, Cyanide	Probable Contaminated Site	
14.	Dumpsite JCL-I, Jayashree Chemicals, Ganjam	19.378006	85.051354	Mercury	DPR prepared for execution of actual remediation works under NCEF project.	
15.	Dumpsite JCL-II Jayashree Chemicals, Ganjam	19.381236	85.052652	Mercury	DPR prepared for execution of actual remediation works under NCEF project.	
16.	Dumpsite JCL-III Jayashree Chemicals, Ganjam	19.377793	85.051959	Mercury	DPR prepared for execution of actual remediation works under NCEF project.	

List of ongoing Project on Contaminated Sites					
Sr. No.	Site o	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
Rajasthan (01 Sites)					
17.	Rajasthan Village Bichhadl, Block Girva, Rajasthan	24.589316	73.823643	Inorganic salts, Organics	Assessment studies initiated by industries
Tamil Nadu (03 Sites)					
18.	Hindustan Unilever Ltd . Kodaikanal , Tamil Nadu	10.224714	77.48709	Mercury	DPR has been prepared by M/s HUL and Remediation works initiated.
19.	Pilot No. 25 of SIPCOT Industrial estate along the NH4, Ranipet , Tamil Nadu (Waste dumped in front and back of TCCL premises.)	12.955092	79.311158	Chromium-total, Chromium VI	DPR prepared for execution of actual remediation works under NCEF project.
20.	Tondairpet, Chennai, Tamil Nadu	13° 7'31.09"N	80°17'20.91"E	Petroleum Hydrocarbons, DRO, GRO, etc.	DPR has been prepared by M/s BPCL and Remediation works initiated.
Telengana (01 site)					
21.	Noor Muhammad Kunta Lake, Katedan Industrial Estate Hyderabad	17.315728	78.427367	VOCs, Chromium, Cadmium, Lead, Copper, Zinc , Oil/fuel Hydrocarbons, PAH components	Remediation works under CBIPM project.
Uttar Pradesh (07 sites)					
22.	Loha Nagar C Block, Ghaziabad	28.685193	77.432472	Chromium (VI)	Groundwater remediation work is carried out by M/s SPRL.
23.	Khanchandrapuri, Rania Kanpur Dehat	26.405956	80.045717	Chromium total, Cd, heavy metals	DPR prepared for execution of actual remediation works under NCEF project.
24.	Juhi Baburaiya (Rakhi Mandi), Kanpur	26.44522	80.322694	Chromium total, heavy metals	The study has been conducted by M/s. ERM, appointed by CPCB under NCEF project.

List of ongoing Project on Contaminated Sites						
Sr. No.	Site o	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
25.	Shivnathpura, Rania, (Kanpur Dehat), Ramabai Nagar, Kanpur, Uttar Pradesh	26.413374	80.021637	Chromium and Chromium (VI)	DPR prepared for execution of actual remediation works under NCEF project.	
26.	Chakar Village Chinhat, Lucknow	26.926555	81.067481	isomers of HCH is present in all the soil samples	DPR prepared for execution of actual remediation works under NCEF project.	
27.	Uttardhauna, Chinhat Block, Lucknow	26.886526	81.055561	isomers of HCH is present in all the soil samples	DPR prepared for execution of actual remediation works under NCEF project.	
28.	Deva Road, Lucknow (Palhauri Village, Deva Road, Chinhat, Lucknow)	26.99668	81.143051	Pesticide (alpha, beta, gamma, delta HCH)	DPR prepared for execution of actual remediation works under NCEF project.	
West Bengal (27 sites)						
29.	Dhapa Disposal Site, Kolkata-700105	22.544888	88.42079	Nitrate, Phenolic Compounds, Lead, Heavy Metal, Chromium	'Closure & Containment' under CBIPM Project is ongoing	
30.	Nibra Industrial Area, Howrah, West Bengal	22.603295	88.24852	Chromium(VI), Lead	DPR prepared for execution of actual remediation works under NCEF project.	
31.	Near Ghosh and Sarkar Weigh Bridge, Village Simla/ Madpur, District- Hooghly-712201	22.44172	88.19075	Chromium-(III) and Chromium(VI)	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
32.	Private Approach Road South of Nezone Tubes, Chokdumi, Delhi Road, SH13, Dist-Hooghly-712201	22.701514	88.29688	Chromium-(III) and Chromium(VI)	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
33.	BalajiTechnomech, Chokdumi, Delhi Road, SH13, Dist-Hooghly-712201	22.704939	88.299087	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
34.	Shentracon Chemicals, Mollaber Delhi Road, SH13, Hooghly-712201	22.721823	88.307888	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation					
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
112.	Balaji Technomech, Chakduni, Delhi Road, SH13, Hooghly-712201	22.704939	88.299087	Chromium	of not remediating the sites considering the circumstances was taken as per recommendation of the MOEF&CC.
113.	Shentracon Chemicals, Mollaber Delhi Road, SH13, Hooghly-712201	22.721823	88.307888	Chromium	
114.	Om Forging, Bangharti, Delhi Road, SH13, Hooghly-712201	22.731659	88.313874	Chromium	
115.	Hooghly Alloy & Steel, Dakshin Raiyadharpur, Delhi Road, SH13, Hooghly-712201	22.75224	88.318659	Chromium	
116.	Misrlali Mines, Baidyabati, Delhi Road, SH13, Hooghly-712201	22.761698	88.314794	Chromium	
117.	Shree Krishna Timber, Baidyabati, Delhi Road, SH13, Hooghly-712201	22.791019	88.313188	Chromium	
118.	Sheela Foam, Baidyabati, Delhi Road, SH13, Hooghly-712201	22.794046	88.312994	Chromium	
119.	Sasralpara Abandoned Dump, Baidyabati, Delhi Road, SH13, Hooghly-712201	22.790841	88.317522	Chromium	
120.	Dipendra Sasmal's House Approach Road, Baidyabati, Delhi Road, SH13, Hooghly-712201	22.791059	88.317608	Chromium	
121.	Delhi Road, Near Shivanig Trexium Pvt. Ltd. & Shree Balaji Veneers Pvt. Ltd. Netaji More, Dist. Hooghly 712201	22.738359	88.318913	Aromatic Hydrocarbon	
122.	Padmabati Colony Abandoned Dump I, Baidyabati, Delhi	22.79663	88.310527	Fluoride, Cyanide	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation						
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
101.	Singrauli Super Thermal Power Plant, Singrauli	24.102683	82.706324	Lead, Chromium, Cadmium, Mercury	Under NCEF Project, DPR prepared for execution of actual remediation works.	
102.	Renukoot (adj to M/s Aditya Birla Chemical Industries (Formerly Kanoria Chemical))	24.229316	83.036038	Mercury, HCH Isomers	Probable Contaminated Site as per study carried out by MoEF&CC	
103.	Barnawa Village, Baghpat, District Meerut	29.051893	77.45528		Probable Contaminated Site as per study carried out by MoEF&CC	
104.	Jaibheem Nagar, Ward No. 5, Meerut	28.958541	77.761364	Lead	Probable Contaminated Site	
105.	Firozabad	27.1631	78.3733	Cadmium	Probable	
UTTARAKHAND (01 site)						
106.	Ibrahimpur Village, Bhadarabad, Haridwar District, Uttarakhand	29.916654	78.071495	Heavy Metals & Chromium	Probable Contaminated Site	
WEST BENGAL (28 sites)						
107.	Dhapa Disposal Site, Kolkata-700105	22.544888	88.42079	Nitrate, Phenolic Compounds, Lead, Heavy Metal, Chromium	Under CBIPM Project of MoEF&CC, Closure & containment works is under progress	
108.	Tiljala, Picnic Gardens, Kolkata	22.528137	88.391094	Lead	Contaminated site as per study carried out by MoEF&CC	
109.	Nibra Industrial Area, Howrah, West Bengal	22.603295	88.24852	Chromium(VI), Lead	Under NCEF Project, DPR prepared for execution of actual remediation works	
110.	Near Ghosh and Sarkar Weigh Bridge, Village Simia/Madpur, District-Hooghly-712201	22.44172	88.19075	Aromatic Hydrocarbons	Under CBIPM Project of MoEF&CC and WBPCB, WBPCB submitted that remediation is not required because groundwater was not contaminated, the environmental and social risks were not significant and highway expansion work was completed. The decision	
111.	Private Approach Road South of Nezone Tubes, Chakduni, Delhi Road, SH13, Hooghly-712201	22.701514	88.29688	Chromium		

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation					
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
88.	Lohia Nagar C Block, Ghaziabad	28.685193	77.432472	Chromium (VI)	Groundwater remediation work is being implemented by M/s SPRL (responsible unit)
89.	Industrial Area Meerut Road, Ghaziabad, Uttar Pradesh 201003	28.688404	77.436143	Hexavalent Chromium, Chromium	Groundwater remediation work is being implemented by M/s SPRL (responsible unit)
90.	Shakti Nagar, Aligarh	27.894919	77.438353	Lead	Probable Contaminated Site
91.	Tejlab Mill Campus, AnwarGANI, Kanpur	26.456382	80.320689	Chromium (total)	Probable Contaminated Site
92.	Khanchandrapuri, Ranla Kanpur Dehat	26.405956	80.045717	Chromium total, Cd, heavy metals	Under NCEF Project, DPR prepared for execution of actual remediation works
93.	Nauraya Kheda Kanpur	26.433965	80.268066	Chromium total,	Probable Contaminated Site
94.	Juhi Baburaya (Rakhi Mandi), Kanpur	26.44572	80.322694	Chromium total, heavy metals	Contaminated site
95.	Panki Industrial Area, Kanpur	26.46016	80.226849	Heavy metals (Cr, Pb, Zn) in groundwater (Fluoride, nitrate, sulphate)	Probable Contaminated Site
96.	Shivathpura, Ranla, (Kanpur Dehat) Ramnabal Nagar, Kanpur, Uttar Pradesh	26.413374	80.021637	Chromium and Chromium (VI)	Under NCEF Project, DPR prepared for execution of actual remediation works
97.	Chakar Village Chinhath, Lucknow	26.926555	81.067481	Isomers of HCH is present in all the soil samples	Under NCEF Project, DPR prepared for execution of actual remediation works
98.	Utrardhaurna, Chinhath Block, Lucknow	26.886526	81.055561	Isomers of HCH is present in all the soil samples	Under NCEF Project, DPR prepared for execution of actual remediation works
99.	Deva Road, Lucknow (Palhauri Village, Deva Road, Chinhath, Lucknow)	26.99668	81.143051	Pesticide (alpha, beta, gamma, delta HCH)	Under NCEF Project, DPR prepared for execution of actual remediation works
100.	India Pesticide Limited, Lucknow	26°54'48.12"N	81°4'12.34"E	Pesticides (isomers of HCH)	Under NCEF Project, DPR prepared for execution of actual remediation works.

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation						
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
	Rajasthan					MoEF&CC
TAMIL NADU (06 sites)						
79.	Eachangadu, Cuddalore, Tamil Nadu	11.683214	79.756303	Mercury	Contaminated Site as per study carried out by MoEF&CC	
80.	Hindustan Unilever Ltd, Kodaikanal, Tamil Nadu	10.224714	77.48709	Mercury	DPR has been prepared by M/s HUL and execution of actual Remediation works yet to initiate by responsible unit	
81.	Plot No. 25 of SIPCOT industrial estate along the NH4, Ranipet, Tamil Nadu (Waste dumped in front and back of TCCL premises.)	12.955092	79.311158	Chromium-total, Chromium VI	Under NCEF Project, DPR prepared for execution of actual remediation works	
82.	Tondairpet, Chennai, Tamil Nadu	13° 7'31.09"N	80°17'20.91"E	Petroleum Hydrocarbons, DRO, GRO, etc.	Remediation works is under progress	
83.	Vallayambattu, Vadiumbadi, Vellore, Tamilnadu	12.698153	78.633428	Chromium-total, Chromium (VI)	Contaminated Site	
84.	Tirupur, Tamil Nadu	11.11918	77.394792	Chlorine, sulphate, and manganese.	Contaminated Site	
TELANGANA (02 sites)						
85.	Patancheru, Medak District, Telangana	17.533436	78.264137	Arsenic, various Chemical compounds	Probable Contaminated Site	
86.	Noor Muhammad Kunta Lake, Katedan Industrial Estate Hyderabad	17.315728	78.427367	VOCs, Chromium, Cadmium, Lead, Copper, Zinc, Oil/fuel Hydrocarbons, PAH components	Under CBIPMP of MoEF&CC, DPR prepared for execution of remediation works. However, the remediation works could not be taken-up due to the status quo orders issued by the Hon'ble High Court of Telangana & Andhra Pradesh in W.P. No. 39864 of 2014	
UTTAR PRADESH (19 sites)						
87.	Sahibabad Industrial Area	28.669502	77.341068	Chromium and other Heavy Metals	Contaminated Site as per study carried out by MoEF&CC	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation					
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
	RKL-II				Probable Contaminated Site
69.	Konark Chrome Chemicals & Lotus Chemicals (Closed) RKL-III, Rourkela	22.221428	84.770682	Chromium (VI) , Chromium Total	Probable Contaminated Site
70.	Konark Chrome Chemicals & Lotus Chemicals (Closed) Site RKL-IV	22.222555	84.762821	Chromium (VI) , Cr Total	Probable Contaminated Site
PUNJAB (06 sites)					
71.	Buddha Nullah, Ludhiana, Punjab	30.919455	75.90332	Chromium (VI) , Zinc, Inorganic acids, Lead	Contaminated Site as per study carried out by MoEF&CC
72.	Tajpur road MSW Sumpsite, Ludhiana	30.928623	75.906736	Heavy metals and organics	Probable Contaminated Site as per study carried out by MoEF&CC
73.	Hambran Road MSW DumpSite, Ludhiana	30.919485	75.753523		Probable Contaminated Site as per study carried out by MoEF&CC
74.	PSIEC Leather Complex, Jalandhar, Punjab	31.332535	75.512237	Chromium (total)	Contaminated Site as per study carried out by MoEF&CC
75.	Basti Sheikh, Jalandhar	31.320198	75.548062	Heavy Metals, Pesticide residue, PAH components, Phenolic compounds, Nitrate, Sulphate, Phosphate, Ammonia, Chloride, Potassium	Contaminated Site as per study carried out by MoEF&CC
76.	Mahalaxmi Orgo Chemical Industries, Nabha Road, Bhawanigarh, Sangrur	30.275411	76.074781	Phenol	Probable Contaminated Site as per study carried out by MoEF&CC
RAJASTHAN (02 sites)					
77.	Amanishahnalla, SanganerIndustrial Area, Jaipur	26.817401	75.79004	Chromium (VI)	Contaminated Site as per study carried out by MoEF&CC
78.	Rajasthan Village Bichhadi, Block Girva,	24.589316	73.823643	Inorganic salts, Organics	Contaminated Site as per study carried out by

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation

Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
57.	Site NALCO-I, M/s National Aluminium Co. Products, Angul	20.831763	85.161234	Fluoride, Cyanide	Probable Contaminated Site
58.	ORICHEM abandoned site, Talcher, Orissa	20.925735	85.17287	Chromium VI	Under NCEF Project, DPR prepared for execution of actual remediation works
59.	Site NALCO-II, M/s National Aluminium Co. Products, Angul	20.821955	85.158576	Fluoride, Cyanide	Probable Contaminated Site
60.	Site NALCO-III, M/s National Aluminium Co. Products, Angul	20.82095	85.157922	Fluoride, Cyanide	Probable Contaminated Site
61.	Dumpsite JCL-I, Jayashree Chemicals, Ganjam	19.378006	85.051354	Mercury	Under NCEF Project, DPR prepared for execution of actual remediation works
62.	Dumpsite JCL-II, Jayashree Chemicals, Ganjam	19.381236	85.052652	Mercury	Under NCEF Project, DPR prepared for execution of actual remediation works
63.	Dumpsite JCL-III, Jayashree Chemicals, Ganjam	19.377793	85.051959	Mercury	Under NCEF Project, DPR prepared for execution of actual remediation works
64.	Site INDAL-I (M/s Indian Aluminium Company Limited), HINDALCO Hirakud	21.530143	83.907851	Fluoride, Cyanide	Probable Contaminated Site
65.	Site INDAL-II (M/s Indian Aluminium Company Limited), HINDALCO, Hirakud, Sambalpur	21.519962	83.902391	Fluoride, Cyanide	Probable Contaminated Site
66.	Site INDAL-III (M/s Indian Aluminium Company Limited), HINDALCO, Hirakud, Sambalpur	21.534566	83.912470*	Fluoride, Cyanide	Probable Contaminated Site
67.	Konark Chrome Chemicals & Lotus Chemicals (Closed) Site RKL-I	22.234709	84.72228	Chromium (VI) , Chromium Total	Probable Contaminated Site
68.	Konark Chrome Chemicals & Lotus Chemicals (Closed) Site	22.236011	84.761129	Chromium (VI) , Cr Total	Probable Contaminated Site

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation						
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
47.	Naregaon dumping site, Aurangabad city	19.89525	75.397139	Cadmium	Probable Contaminated Site as per study carried out by MOEF&CC	
48.	M/s Godavari Bio-Refineries, Ahmed Nagar District, Maharashtra	19.82333337	74.56901795	Colour and COD, SO ₂ , Chlorides and volatile fatty acids	Remediation works carried out by the responsible unit	
ODISHA (22 sites)						
49.	Gypsum Pond -Paradip Phosphate & IFCO, Paradip, Orissa	86.626326	20.258112	Fluoride, Phosphate, Chloride	Contaminated Site as per study carried out by MOEF&CC	
50.	Site KCL I, , Inside the premises of M/s KCL near H2SO4 Tank	21.597685	86.930332	Chromium	Contaminated Site	
51.	Site KCL II, Inside the premises of M/s KCL near Gate, Mayurbhanj Orissa	21.598039	86.929221	Chromium	Contaminated Site	
52.	Site KCL III, Inside the premises of M/s KCL Inside drier room, Mayurbhanj Orissa	21.597189	86.928847	Chromium	Contaminated Site	
53.	Site KCL IV, outside the premises of M/s KCL near Northern Boundary- Mayurbhanj Orissa	21.599929*	86.930313	Chromium	Contaminated Site	
54.	Site KCL V, outside the premises of M/s KCL near main Gate, Mayurbhanj Orissa	21.598007	86.928121	Chromium	Contaminated Site	
55.	Site ECFC-I Mayurbhanj, Orissa	21.603934	86.930121	Fluoride Vanadium	Contaminated Site	
56.	Site ECFC-II Mayurbhanj, Orissa	21.605225	86.929107	Fluoride, Vanadium	Contaminated Site	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation						
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
37.	Edayar, Chakkarachal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)			Zinc and its compounds	Under NCEF Project, DPR prepared for execution of actual remediation works	
38.	Vadavathoor, Kottayam	9.590878	76.559867	Lead	Probable Contaminated Site	
MADHYA PRADESH (06 sites)						
39.	Indo Zinc, Plot-79, Sector -3, Pithampur, Dist-Dhar, Madhya Pradesh	22.641215	75.574299	Zinc sludge ; zinc scrap etc.	Probable Contaminated Site as per study carried out by MoEF&CC	
40.	M/s Grasim Chemical, Grasim Nagar, Nagda, Madhya Pradesh	23.444977	75.412697	Arsenic, lead	Contaminated Site	
41.	Sajjan Chemicals (now Kataria wires Ltd)-Plot No ; 54 E Dosigaon Industrial area, Ratlam, Madhya Pradesh	23.357857	75.045467	Lead	Under NCEF Project, DPR preparation is under progress	
42.	Sajjan chemical Pvt Ltd (Plot No -61 B, Dosigaon Industrial Area, Ratlam)	23.360211	75.047161	Lead	Under NCEF Project, DPR preparation is under progress	
43.	Sajjan chemical Pvt Ltd (Khandarwesa Mines, Near Nimali Village)	23.487821	75.065871	Lead	Under NCEF Project, DPR preparation is under progress	
44.	M/s Jayant Vitamin, Ratlam-457001	23.330447	75.043353	Sulphate, Chlorides, Aluminium, Iron	Under NCEF Project, DPR preparation is under progress	
MAHARASHTRA (04 sites)						
45.	Mithi River, Mumbai, Maharashtra	19.108391	72.884318	Cyanide, Lead, Zinc, Sulphates	Probable Contaminated Site as per study carried out by MoEF&CC	
46.	Dahisar, Mumbai Suburban, Maharashtra	19.762827	72.87413	Chromium VI	Not Contaminated Site as per study carried out by MoEF&CC	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation					
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
KARNATAKA (05 sites)					
28.	Mavallipura Dumpsite, Yelahanka, Bangalore	13.122438	77.53775	Chromium, Heavy Metals	Contaminated Site as per study carried out by MoEF&CC
29.	Goripalya near Mysore Road, Bangalore, Karnataka, E-waste recycling in Bangalore, Karnataka	12.964087	77.556605	Main compound is Cadmium, Other compounds are: Lead & Mercury, Beryllium, Chromium, Arsenic, PCBs, Dioxins	Contaminated Site as per study carried out by MoEF&CC
30.	Mangamanapalya Road, Hosur Road, Bangalore, Karnataka	12.902887	77.631954	Lead	Contaminated Site as per study carried out by MoEF&CC
31.	Peenya Industrial area, Bangalore, Karnataka	13.025538	77.525031	Heavy Metals like Zn , Cr.& Pb	Contaminated Site as per study carried out by MoEF&CC
32.	Cauvery River, downstream Nanjangud, Mysore District, Karnataka	12.140193	76.67652	Lead	Contaminated Site as per study carried out by MoEF&CC
KERALA (06 sites)					
33.	Kalamukke Lake, Kochi	9.972931	76.248505	Lead	Probable Contaminated Site
34.	Kuthikandom Thodu, Kerala	10.079547	76.294582	DDT, Endosulfan, Dicofof, Ammonium Phosphate and Ammonium Sulfate, Thorium oxalate, Rare-earth fluoride and Rare-earth chloride, Thiozoles, Sulphamides and antioxidants.	Under NCEF Project, DPR prepared for execution of actual remediation works
35.	Annamthuruthu- Karipadam	10.083385	76.288432	DDT, Endosulfan, Dicofof, Ammonium Phosphate and Ammonium Sulfate, Thorium oxalate, Rare-earth fluoride and Rare-earth chloride, Thiozoles, Sulphamides and antioxidants.	Under NCEF Project, detailed site investigation carried out and reveals that no contamination. Hence, remediation is not required
36.	Edayar, Edayattuchal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)			Zinc and its compounds	Under NCEF Project, DPR prepared for execution of actual remediation works

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation						
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
19.	Ankleshwar Industrial Estate, GIDC Industrial Estate, Ankleshwar, Bharuch, Ankleshwar	21.633139	73.045806	Mercury, Heavy Metals	Detailed study is required	
20.	TSDF site, GIDC-Vapi, Valsad,	20.357527	72.945348	Zinc, Copper, Chromium, Lead, Cadmium, Mercury, Arsenic, PCB, VOCs	Contaminated Site as per study carried out by MoEF&CC	
21.	Gorwa Pond, Vadodara Gujarat, Behind Hema Chemicals, Near Samta Colony, Subhanpura Road, Vadodara	22.329995	73.159486	Hexavalent Chromium, Chromium, Lead	Contaminated	
HARYANA (03 sites)						
22.	Pace City-II, Sector 37 Gurgaon Haryana	28.428392	76.999501	Metals (Chromium, Mercury), PAH, TPH, VOCs, PCB	Contaminated Site as per study carried out by MoEF&CC	
23.	Prem Colony, Kundli, Sonapat	28.869167	77.114722	Lead	Contaminated Site as per study carried out by MoEF&CC	
24.	Sectors 25 & 26, Dyeing Industry, Panipat, Haryana	29.358076	76.991748	Mercury – elemental	Probable Contaminated Site as per study carried out by MoEF&CC	
HIMACHAL PRADESH (01 site)						
25.	Housing Board Phase-III, Baddi, Himachal Pradesh	30.938802	76.807437	Chromium (Total)	Contaminated Site as per study carried out by MoEF&CC	
JHARKHAND (02 sites)						
26.	Roro hills Jharkhand	22.65801	86.329453	Asbestos	Probable Contaminated	
27.	Manikui – Chandil, Swarnarekha River Polluted Site, Seraikella - Kharswan, Jharkhand	22.835772	86.160665	Lead	Contaminated Site as per study carried out by MoEF&CC	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation					
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status

GOA (01 site)					
12.	M/s Sunrise Zinc Ltd , Plot No. L-2 & M/S Nicomet Industries Ltd Plot no. L-15 ,19 & 20, Cunicolum Industrial Estate, Pujim, Goa	15.188028	74.029719	Chromium, Copper, Cobalt, Cadmium, Arsenic, Zinc	Contaminated
GUJARAT (09 sites)					
13.	Aji GIDC Industries Association Reg No. G 904, DT-26/4/1983, Plot No. 121, Road AB Corner, Aji GIDC Estate Rajkot	22.292041	70.816407	Lead	Not Contaminated
14.	Larsen Chem. B/2, Ganeshpura, Opp Janta Petrol Pump, Modasa Sabar Kantha, Gujarat	23.475619	73.291149	Total chromium, Arsenic, Cadmium, Lead, Mercury, Zinc	Bore wells of surrounding area were found as contaminated
15.	Swastik Organic, survey no 93 paik, Sabar Dairy Road, Piploadi, Gujrat	23.592505	72.972861	Zinc, Lead, VOCs, Aromatic Hydrocarbons (BTEX)	Bore wells were not found as contaminated but old hazardous waste is still not removed
16.	Effluent Channel Project Limited (ECP) (Baroda Effluent Canal) Vadodara and Bharuch District	22.342609	73.151402	Volatile Organic Compound	Remediation works carried out by group of industries (responsible industries for contamination)
17.	Hema Chemicals Unit II, Nandesari, Vadodara	22.334526	73.162039	Chromium	Contaminated
18.	Jambusar, District- Bharuch,	22.049444	73.045806	Lead, Cyanide, VOCs, Phenols, organics	In wet season colour runoff water from chemical estate in storm water drain is observed. Detailed study is required to declare a significant contaminated site.

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation						
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
ANDHRA PRADESH (01 site)						
1.	Kadapa Dump site, Kadapa, Andhra Pradesh	14.285196	78.503886	Lead, Zinc and other heavy metals	Under CBIPM Project of MoEF&CC, Closure & containment works is under progress	
ASSAM (01 site)						
2.	Rangla, District-Kamrup, Assam	26.496658	91.592305	Chromium (Total)	Contaminated Site as per study carried out by MoEF&CC	
BIHAR (01 site)						
3.	Hathidah Khurd village, Mokama Block, Patna District, Bihar	25.38011	85.97455	Arsenic	Contaminated Site as per study carried out by MoEF&CC	
CHHATTISGARH (01 site)						
4.	Bhilai steel plant, Chhattisgarh	21.169611	81.400078	Lead, arsenic, mercury, Polychlorinated biphenyls	Contaminated Site as per study carried out by MoEF&CC	
5.	Chhattisgarh, BALCO, Korba	22.401924	82.738369	Lead, Cyanide & F	Contaminated Site as per study carried out by MoEF&CC	
DELHI (06 sites)						
6.	Open land adjoining to 165, Patparganj Industrial Area, Delhi-110092	28.534464	77.277869	Cadmium, Lead, Chromium, Arsenic	Investigation study conducted by DPCC	
7.	Gazipur landfill-site, Gazipur, Delhi	28.625153	77.328056	Lead, Cadmium, Chromium, Copper, Nickel, Zinc, nitrate	Contaminated Site as per study carried out by MoEF&CC	
8.	Jhilmil Industrial Area , New Delhi	28.673487	77.31357	Metals; PAH, TPH, VOC's PCB	Contaminated Site as per study carried out by MoEF&CC	
9.	Road side & in front of C-58/1, Esso Sanitations, Wajirpur Industrial Area, Delhi	28.699359	77.172297	Chromium (Total)	Contaminated	
10.	Badli Industrial Area, Delhi	28.747886	77.177075	Chromium (Total)	Contaminated Site as per study carried out by MoEF&CC	
11.	Seelampur e-waste site, Shahadara, East Delhi	28.719159	77.314923	Arsenic, Chromium, Lead	Contaminated Site as per study carried out by MoEF&CC	

List of ongoing Project on Contaminated Sites						
Sr. No.	Site o	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
	712201				(CBIPMP) of MoEF&CC.	
52.	Near Zenith Timber products, Near Netaji More, Dist. Hooghli-712201	22.45959	88.18553	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
53.	Near Pashupati Seong and East India Flour Mills, Delhi Road, Dist. Hooghli-712201	22.48188	88.18527	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
54.	Ashaloto Brick field, Near Indoram industries, Hooghli-712201	22.50458	88.19021	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
55.	Near M/s Shivam Gases Ltd., Chakundi Industries Area, Dankuni Hooghli.-712310	22.42274	88.17434	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	

List of ongoing Project on Contaminated Sites					
Sr. No.	Site o	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
43.	PadmaBasti Colony Abandoned Dump 1, Baudyabati, Delhi Road, SH13, Dist-Hooghly-712201	22.79663	88.310527	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
44.	PadmaBasti Colony Abandoned Dump 2, Baudyabati, Delhi Road, SH13, Dist-Hooghly-712201	22.797191	88.309626	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
45.	Sada Shiv Shakti Exm., Baudyabati, Dist Hooghly, Opp-Zenith Timbers, P22West Bengal-712201	22.80093	88.314196	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
46.	Bhola Baba Corrugated Box, Bighati, Delhi Road, SH13, Dist-Hooghly	22.810741	88.314539	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
47.	Steel Cracker Unit II, Bighati, Delhi Road, SH13, Dist-Hooghly-712201	22.811275	88.312007	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
48.	Somer Rangla Hindu Hotel, Bighati, Delhi Road, SH13, Dist-Hooghly-712201	22.820808	88.315351	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
49.	Appreyan Hotel Dump, Bighati, Delhi Road, SH13, Dist-Hooghly-712201	22.824249	88.315548	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
50.	Indotan Chemicals, Gurli, Delhi Road, SH13, Dist-Hooghly-712201	22.849622	88.318994	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.
51.	Near mmu weigh bridge, Delhi Road (100 mt from Netaji More), Near Dhuba, Hooghli-	22.797719	88.313953	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project

List of ongoing Project on Contaminated Sites						
Sr. No.	Site o	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
35.	Omi Forging, Bangghati, Delhi Road, SH13, Dist Hooghly-712201	22.731659	88.313874	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
36.	Hooghly Alloy & Steel, DakshinRajyadharpur, Delhi Road, SH13, Dist- Hooghly-712201	22.75224	88.318659	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
37.	Misriall Mines, Baidyabati, Delhi Road, SH13, Dist-Hooghly-712201	22.761698	88.314794	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
38.	Shree Krishna Timber, Baidyabati, Delhi Road, SH13, Dist-Hooghly-712201	22.791019	88.313188	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
39.	Sheela Foam, Baidyabati, Delhi Road, SH13, Dist-Hooghly-712201	22.794046	88.312994	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
40.	Sasmalpara Abandoned Dump, Baidyabati, Delhi Road, SH13, Dist- Hooghly-712201	22.790841	88.317522	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
41.	DipendraSasmal's House Approach Road, Baidyabati, Delhi Road, SH13, Dist-Hooghly-712201	22.791059	88.317608	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	
42.	Delhi Road, Near Shivang Trexium Pvt. Ltd. & Shree Balaji Veneers Pvt. Ltd, Netaji More, Dist. Hooghly (HW site-3 in NPC report from 2006)-712201	22.738359	88.318913	Not known	Initiated under Capacity Building Programme for Industrial Pollution Management Project (CBIPMP) of MoEF&CC.	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation					
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status
	Road, SH13, Hooghly- 712201				
123.	Padmabati Colony/Abandoned Dump 2, Baidyabati, Delhi Road, SH13, Dist-Hooghly-712201	22.797191	88.309626	Hexavalent Chromium, Chromium, Copper, Iron, Lead	
124.	Sada Shiv Shakti Exim, Baidyabati, Opp. To Zenith Timbers, Hooghly-712201	22.80093	88.314196	Heavy Metals, Hexavalent Chromium, Chromium, Nitrate	
125.	Bhola Baba Corrugated Box, Bighati, Delhi Road, SH13, Hooghly	22.810741	88.314539	Heavy Metals, Hexavalent Chromium, Chromium	
126.	Steel Cracker Unit II, Bighati, Delhi Road, SH13, Hooghly-712201	22.811275	88.312007	Cadmium	
127.	Sonar Bangla Hindu Hotel, Bighati, Delhi Road, SH13, Dist-Hooghly-712201	22.820808	88.315351	Cadmium, Lead	
128.	Appayan Hotel Dump, Bighati, Delhi Road, SH13, Dist-Hooghly-712201	22.824249	88.315548	Lead, Cadmium	
129.	Indotan Chemicals, Garji, Delhi Road, SH13, Dist-Hooghly-712201	22.849622	88.318994	Lead	
130.	Near miru weigh bridge, Delhi Road (100 mt from Netaji More) Near Dhaba, Dist. Hooghly-712201	22.797719	88.313953	Heavy Metals	
131.	Near Zenith Timber products, Near Netaji More, Hooghly-712201	22.45059	88.18553	Chromium	

List of 134 Sites Selected for Preliminary/Detailed Assessment/ Remediation						
Sr. No.	Site Location	Latitude	Longitude	Type of Contaminants	Action taken/ Present Status	
132.	Near Pashupati Seong and East India Flour Mills, Delhi Road, Dist. Hooghli-712201	22.48188	88.18527	Chromium		
133.	Ashalata Brick field, Near Indotan industries, Hooghli-712201	22.50458	88.19021	Chromium		
134.	Near M/s Shivam Gases Ltd., Chakundi Industries Area, Dankuni Hooghli.-712310	22.42274	88.17434	Chromium		

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
ANDHRA PRADESH (02 Sites)				
1.	Rithwik energy systems (biomass power plant), Rachagunneri, Chittoor district, Andhra Pradesh-517325	13.7228	79.63	Hexavalent Chromium, Chromium
2.	Madhurawada, Vishakhapatnam, Andhra Pradesh - 530048	17.49	83.212	Mercury
ASSAM (03 Sites)				
3.	Dhemaji District, Assam- Pincode-787058	27.284908	94.330271	Chromium, Lead
4.	Hindustan Paper Corporation Limited, Jagiroad, Morigaon district, Assam- 782413	26.1317	92.2123	Mercury, Copper, Zinc
5.	Jeypore Coalfield, Namrup, Tinsukia, Assam-786614	27.1555666	95.22258	Cadmium, Mercury Lead, Zinc, Copper
CHHATTISGARH (03 Sites)				
6.	Nandini-Khundani Abandoned Mines, bhilai, Distt.-Durg Near M/s Vishnu Chemicals, Industrial Area, Bhilai.491001	21.31114	81.366038	Chromium
7.	Muckdum Side Bhilai-3 Bhilai steel plant-491000	21.20528	81.361957	Lead, Arsenic, Mercury, Polychlorinated biphenyls
8.	Lal Ghat Risdi Area, nearM/s Balco Korba-495677	22.39405	82.733267	Lead, Cyanide, Fluoride
DELHI (22 Sites)				
9.	Open land in front of 366, Patparganj Industrial Area-110092	28.61808	77.293119	Not Known
10.	Near Railway Line and Gali NO. 4 & 5, New Friends Colony Industrial Area, Delhi-110026	28.567462	77.269133	Not Known
11.	Road side & in front of C-58/1, Essco Sanitations, Wajirpur Industrial Area-110052	28.699359	77.172297	Chromium
12.	Mundika, Delhi-110041	28.67693	77.03791	Lead, Cadmium, Mercury
13.	Mandoli Village, North-eastern Delhi-110093	28.70963	77.31129	Lead, Cadmium, Mercury
14.	Road side and in front of A-5, Lawrence road industrial area, Del-110032	28.661457	77.295291	Polychlorinated Dioxins, Phthalates, Ethylene Dichloride, PCBs
15.	Road side & in front of Sulabh Complex, Near Police Chowki, Wajirpur Industrial Area, Delhi-110052	28.69538	77.16002	Chromium

List of 195 Sites Yet to be Assessed

S. No.	Site Location	Latitude	Longitude	Type of Contaminants
16.	Open Land adjacent to Ajit Printers B-58 Damodar Park, Dilshad Garden Industrial Area, Delhi -110052	28.684409	77.31522	Not Known
17.	Nimri Village, Shastri Nagar industrial area, New Delhi. 110031	28.668726	77.179133	Lead, Chromium
18.	Yamuna River at Badarpur, New Delhi-110044	28.627323	77.254186	Other / Not Known
19.	Kirti Nagar Industrial Area-110015	28.647909	77.144	Arsenic, Cadmium, Lead
20.	Najafgarh drain, Kakrola, New Delhi-110078	28.598435	77.022021	Arsenic
21.	Naraina industrial area, Phase 1-2, South-West, NewDelhi-110028	28.630191	77.141537	Cadmium, Lead, Chromium, Arsenic
22.	Sarita Vihar, New Delhi-110076	28.534525	77.293669	Mercury, Chromium, Cadmium, Lead, VOCs (Chloroform, Dichloromethane, Trichloroethene, Vinyl-chloride), Aromatic Hydrocarbons (Toluene)
23.	Open land adjoining to plot no. 36 A & 34 A, Rajasthan Udyog Nagar Industrial Area, Delhi 11003	28.681389	77.087317	Not Known
24.	GTK Road industrial area- New Delhi-110033	28.695533	77.185181	Not Known
25.	Open land in front of 77, SSI Industrial Area, Delhi-110033	28.730974	77.15843	Not Known
26.	Open land which is on back side of Anuradha Petrol Pump and near to C-32, Rajdhani roller for mill, Lawrence road industrial area- Delhi-110035	28.683724	77.152642	Not Known
27.	Road side and in front of A-5, Lawrence road industrial area- Delhi-110035	28.683724	77.152642	Not Known
28.	Bhalsawa Landfill, New Delhi-110033	28.740531	77.158673	Lead, Cadmium, Arsenic
29.	Between the Railway line and in front of 17 Gali No. 3, Anand Parbat Industrial Area, Delhi-110005	28.66343	77.1729	Lead, Cadmium, Arsenic
30.	Railway Land near 18/32, Gali No.5, Anand Parbat Industrial Area, Delhi-110005	28.66343	77.1729	Lead, Cadmium, Arsenic

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
GOA (01 Sites)				
31.	Quarry located in Village Piliun of Dhar Bandora Survey No 46- Goa -403401	15.381496	74.114601	Zinc, Nickel, Cadmium, Total Chromium, Lead, Pretilachlor, Thiomethoxam, Monochrotophos, Profenophos,
GUJARAT (15 Sites)				
32.	Jamnagar Refinery, Gujarat-361142	22.342455	69.859947	Oil Hydrocarbons
33.	Muthia Village, Naroda GIDC, Phase IV, Ahmedabad 2 Sites-380330	23.088065	72.671572	Chromium, Cadmium, Lead
34.	PariYetj Community Reserve, Kheda, Gujarat-387225	22.77	72.628	Lead, Cadmium
35.	Salvav, Vapi, District Valsad, Gujarat Salva, Gujrat	20.3462	72.906662	Chromium, Cadmium, Mercury, PAH components
36.	Pandesara, Gujarat Industrial Development Corporation (GIDC), Surat, Gujarat-394230	21.154722	72.826389	Chromium
37.	Hatorah Village Kosamba Taluka, Surat Gujarat- 395003	21.46944	72.95085	Chromium, Cadmium, Arsenic, Zinc, Lead, ,Copper, VOCs
38.	River Par Atul, Valsad District Gujarat - 396001	20.532867	72.945129	Lead
39.	Daman Ganga River, Behind railway track near CETP, Vapi - Gujarat- 396191	20.342919	72.906045	Lead, Cadmium, Chromium, Copper, Mercury.
40.	Dungri Falia Millat Nagar, Behind Hotel Good Luck, Vapi- Gujarat-396191	20.347601	72.942366	Sodium, Sulphate, Chloride, Potassium, Nitrate, Magnesium
41.	Premises of Trans Global, P. No: A-1-4311, Phase 4, GIDC, Vapi- Gujarat-396195	20.356437	72.945001	Sodium , Sulphate, Chloride, Potassium , Calcium, Nitrate, Magnesium
42.	Premises of Gamma Colours, P. No: 1302, Phase 3, GIDC Vapi-396195	20.361023	72.924904	Sodium, Sulphate, Chloride, Potassium , Calcium, Nitrate, Magnesium
43.	Bank of Bhil Khadi, Behind Hotel Safari, Near NH-No:8, Vapi-396191	20.354019	72.909687	Sodium , Sulphate, Chloride, Potassium , Calcium, Nitrate, Magnesium
44.	Bank of Bhil Khadi, Salvav, NH-No:8, Vapi-396191	20.34253	72.868319	Not known

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
45.	Lord Seaside Society, a Parsi Settlement at Tadgam, Valsad-396135	20.280374	72.75848	Chloride, Ammoniacal Nitrogen, Phenolic Compound, Sulphides, Zinc
46.	Valad, Dist-Gandhinagar			Dye chemicals
HARYANA (14 Sites)				
47.	New Industrial Town (NIT) Faridabad, Haryana 121001	28.372002	77.287093	Nickel, Cadmium, Zinc, Tin, Chromium, Lead, Copper, O-cresol, VOCs (Trichloroethane), PAH components (Fluoranthene)
48.	Palla Village, Faridabad District, Haryana-121003	28.43	77.32	Pesticides, Nickel, Cadmium, Zinc, Tin, Chromium, Lead, Copper, O-cresol, VOCs PAH components (Fluoranthene), Aromatic Hydrocarbons (Benzene, Toluene, Xylene)
49.	Autopin Colony, Sector-22, Fardabad	28.365498	77.293754	cyanide cadmium, other heavy metals
50.	Agra Canal, Near Sector-25, Faridabad, Haryana	28.335662	77.307615	lead, cadmium
51.	Nalla Near Sector-22, Faridabad, Haryana	28.365498	77.293754	lead, cadmium
52.	Sahraul village, Sector -18, Gurgaon, Haryana, 122015	28.4906	77.0719	Chromium
53.	Open Space in front of 360E PACE City -2, Sector 37- B Gurgaon-122002	28.436365	76.995535	Cadmium, Lead
54.	Near Gayatri Automation ,PACE City -2, Sector 37 Gurgaon-122002	28.435075	76.997359	Cadmium, Lead
55.	Bajghera Village, Palam Vihar, Gurgaon, Haryana-122017	30.92607	77.09528	Lead
56.	Bandhwari, landfill site, Gurgaon 122001	28.413482	77.157755	Nitrate, Chromium, Nickel, Copper
57.	Near Bhindawas Bird Sanctuary, Jhajjar, Haryana-124507	28.413482	76.553121	Not Known
58.	Ganesh Colony , Mehrana Village Panipat	28.6855	76.6658	Asbestos, Cadmium, Calcium fluoride, Copper, Zinc
59.	Pinjore-Baddi Highway from Village Kona to Maranwala, Panchkula	30.798975	76.911863	Not Known
60.	Manakpura Industrial Estae, Jagadhari to Yamuna River, Yamuna Nagar	30.11948	77.27537	Lead

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
HIMACHAL PRADESH (05 Sites)				
61.	River Markandaya, Kala Amb, Sirmour, Himachal Pradesh-173030	30.2948	77.12521	Cadmium, Pesticides (Aldrin, Dieldrin)
62.	Parwanoo Block, Solan District, Himachal Pradesh-173212	30.84528	76.95351	Pesticides
63.	River Kaushalya, Village Khadeen, Parwaanoo Block, Solan District, Himachal Pradesh-173212	30.84528	76.95351	Cadmium
64.	Open area along Sandholi Nala, Opposite Keshav Auto, Baddi Nalagarh Highway NH-21A-173205	30.5631	76.4658	Asbestos, Toluene, VOC (Chloroform, Dichloromethane, Trichloroethene, Vinylchloride)
65.	Kala Amb, Trilokpuri road, Himachal Pradesh- 173030	30.49701	77.21107	Cadmium, Pesticides (Aldrin, Dieldrin)
JHARKHAND (12 Sites)				
66.	Sindri - Damodar Polluted Site Dhanbad-826001	23.66789	86.490044	Lead
67.	Chandrapura Thermal Power Station DVC Bokaro Jharkhand - 827001	23.737234	86.101322	PAH components (Fluorides)
68.	Sonari Chatt Ghat Subarnarekha River Polluted, Jamshedpur, Jharkhand-831001	22.83549	86.16171	Heavy metals
69.	Domohani Kharkai River Jamshedpur, Jharkhand-831001	22.83549	86.16171	Lead
70.	Kandra Polluted Site, Seraikella-Kharswan, Jharkhand-831001	22.85762	86.05332	Chromium
71.	Shib Ghat Jugsalai Kharkai River Contaminated Site, Jamshedpur, Jharkhand-831001	22.78176	86.21304	Cyanide, Zinc, Nickel, Lead, Copper, Radionuclides
72.	Chasnala - Damodar River Polluted Site Dhanbad Jharkhand-826001	23.646838	86.460928	Lead
73.	Lupungdih Subarnarekha River Polluted Site, East Singhbhum Jharkhand-831001	22.782011	86.29601	Lead, Cadmium
74.	Ghatshila, Subarnarekha River, East Singhbhum, Jharkhand-831001	22.5915	86.4531	Cadmium
75.	Ratanpur Raghunathpur Kanki, Seraikella Kharswan, Jharkhand-832401	22.87095	86.06467	Chromium

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
76.	Adityapur Ind. Area, Near Jamshedpur, Behind Pepsi Factory,Ranchi-834002	22.793591	86.137337	Not Known
77.	Pataratu Thermal Power Plant, Jharkhand Electricity Board, Paratu Village Ranchi 834002	23.64073	85.29272	SO ₂ , NO _x , SPM
KARNATAKA (20 Sites)				
78.	Agara Lake,Banglore city,Karnataka-560102	12.55106	77.383447	Lead
79.	Vrishabavati River, Bangalore-560001	12.94417	77.528534	Chromium
80.	Hebbal Lake, Bangalore, Karnataka-560024	13.04622	77.58579	Lead
81.	Begur road, Bangalore, Karnataka-560068	12.53389	77.37129	Chromium, Lead, Iron, Zinc, Nickel, Copper
82.	Federal Mughal Pvt Ltd Doddaballapur Road, Yetlahanka, Bangalore, Karnataka-560064	12.99653	77.610855	Chromium VI, Chromium Total
83.	Peenaya Industrial Estate, II Stage Bengluru-560058	13.03496	77.52257	Lead, Zinc, Copper, Cadmium, Hexavalent Chromium, Chromium, Nickel
84.	Peenaya Industrial Estate, IV Stage Bengluru-560058	13.01945	77.498394	Lead, Zinc, Copper, Cadmium, Hexavalent Chromium, Chromium, Nickel
85.	Ballandur Lake, Bangalore, Karnataka-560103	12.927	77.668	Cadmium
86.	Arekere lake, Bangalore, Karnataka-560076	12.57	77374	Lead
87.	Kengeri tank, Bangalore, Karnataka-560060	12.9174	77.49	Cadmium
88.	Madiwala Lake,BTM 2nd Stage,Banglore,Karnataka-560076	12.541739	77.364947	Lead
89.	Lalbagh Lake, Bangalore, Karnataka-560004	12.945	77.585	Lead
90.	Peenaya Industrial Estate, I Stage Bengluru-560058	13.03845	77.526102	Lead, Zinc, Copper, Cadmium, Hexavalent Chromium, Chromium, Nickel
91.	Metagalli industrial area Mysore city, Karnataka, India-570016	12.36005	76.632649	Not known
92.	Hebbal Industrial area Mysore city, Karnataka, 570020	12.36123	76.600777	Not known
93.	Hootagalli Industrial area Mysore city, Karnataka, India-570023	12.35368	76.583731	Not known

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
94.	Tumkur Amanikere Lake Watershed, Karnataka, 572101	13.3533	77.110291	Not Known
95.	Harihar Taluk, Davengere District, Karnataka - 577601	14.51139	75.808056	Fluoride
96.	Dandeli, Karnataka-pincode-581325	15.23804	74.615057	Dioxins
97.	Bidar, Karataka (Vani Oragnics Pvt. Ltd.)			Inorganic salts
KERALA (07 Sites)				
98.	Brahmapuram, Kochi - 682303	9.996742	76.37336	Not Known
99.	Eloor Industrial area, Cochin, Kerala - 683501	9.928575	76.265917	Pesticides (DDT, Endosulfan, Dicofo), Ammonium Phosphate and Ammonium Sulfate, Thorium oxalate, Rareearths Fluoride and Rareearths chloride, Thiozoles, Sulphamides and antioxidants.
100.	Periyar River, Vandiperiyar, District - Idukki, Kerala - 685533	9.572583	77.075443	Pesticides (Aldrin, Diedrin, Endo sulfan beta)
101.	Meenachil River, Kottayam, Kerala	9.383719	76.344496	Cadmium, Lead
102.	Vembanad (Vembanad Kayal or Vembanad Kol), Kottayam, Kerala	9.881111	76.306111	Chromium, Lead, Cadmium
103.	Ashtamudi Lake, Kollam District, Kerala - 691602	8.974994	76.626912	Cadmium
104.	Parvathy Puthanar, Thiruvananthapuram, Kerala - 695001	8.487495	76.94862	Cadmium
MADHYA PRADESH (14 Sites)				
105.	Deoguradiya (Munciple landfill) Site, Near Devguradia, Indore - 452001	22.675556	75.926667	Chromium, Lead, Cadmium
106.	Ratlam Industrial Area-457001	23.362234	75.048865	Sulphate, Chlorides, Aluminium, Iron
107.	M/s Boardia Chemicals Pvt Ltd.Ratlam, Madhya Pradesh-457001	23.334655	74.977187	Sulphate, Chlorides, Aluminium, Heavy Metals, Phenolic compounds, PAH components
108.	M/s Union carbide (UCIL), J.P. Nagar, Bhopal, Madhya Pradesh	23.280833	77.410556	Pesticides (Organochlorine, Carbamate and

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
	462001			chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
109.	Atal Ayub Nagar, Near UCIL factroy, Bhopal- 462001	23.28088	77.41183	Pesticides (Organochlorine, Carbamate and chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
110.	Solar Evaporation Ponds outside UCIL permises, Bhopal	23°17'7.26" N	77°24'43.5 5"E	Pesticides (Organochlorine, Carbamate and chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
111.	Kainchi Chhola colony, Bhopal-462001	23.27844	77.41486	Pesticides (Organochlorine, Carbamate and chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
112.	Garib Nagar, Bhopal-462001	23.28573	77.41492	Pesticides (Organochlorine, Carbamate and chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
113.	Blue Moon & Nawab Colony, Bhopal-462001	23.28488	77.41096	Pesticides (Organochlorine, Carbamate and chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
114.	New Arif Nagar, Bhopal-462001	23.28388	77.40839	Pesticides (Organochlorine, Carbamate and chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
115.	Shiv nagar, near Hindustan petroleum depot, Bhopal--462001	23.29052	77.4185	Pesticides (Organochlorine, Carbamate and chlorinated benzene (HCB)), Mercury, VOC (Chloroform)
116.	Mandideep Industrial area, Mandideep, Raisen- 462040	23.083	77.531158	VOCs (not specified)
117.	M/S Beta Napthol-village Maksi, Shajapur dist 465106	23.246889	76.156033	Aluminium, Sulphate, Chlorides, Iron
118.	Vindhyachal Thermal Power Plant, Singrauli, Post Vindhyan nagar, Dist. Sangruli, MP-486885	24.098766	82.675866	SO ₂ , NO _x , SPM etc as air pollutants, Hg, As
MAHARASHTRA (03 Sites)				
119.	Deonar, Mumbai, Maharashtra 400088	19.070768	72.928172	Not Known

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
120.	Tarapur Industrial area, Tarapur, Thana dist. 401504	19.788611	72.748333	Chromium
121.	Nashik, MIDC (Industries located in MIDC Area)	19.593245	73.424	Nitrate, Lead & Manganese, Inorganic salts
ODISHA (09 Sites)				
122.	Sukinda, Orissa-755018	20.96751	85.916321	Hexavalent Chromium
123.	Ash Pond Contaminated Sites of CPP, NALCO, Orissa, M/sNational Aluminum Co. Products, Angul 759122	20.87759	85.16908	Cadmium
124.	Brahamani Nandira River Polluted Sites, Angul-759122	20.8925	85.2425	Chromium
125.	Girang & Kulad Villages, NALCO, Angul-759122	20.8191	85.16019	Fluorides
126.	Kandsar & Karaberini Sites, NALCO, Angul-759122	20.85976	86.05569	Cadmium
127.	Koniabera Site, Angul-759122	20.85726	85.14436	Cadmium
128.	Tentulei Common Polluted Site, Angul-759122	20.9195	85.17429	Fluorides
129.	Lanjigarh, Kalahandi-766027	19.709	83.3995	Copper, Lead, Zinc, VOCs (Trichloroethane, Trichloroethene, Vinylchloride), Aromatic Hydrocarbons (Xylene)
130.	Brajrajnagar, Ib Valley-768201	21.824028	83.913694	Lead, Cadmium, Nickel
PUNJAB (03 Sites)				
131.	Kala Sanghia Drain, Jalandhar, Punjab-144623	31.35344	75.55695	Pesticides, Acidic Chemicals, Mercury, Lead, Zinc
132.	Ajnali Village, Mandi Gobindgarh, Punjab - 147301	30.65295	76.31013	Lead, Cadmium, Oil/fuel Hydrocarbons (TPH), Other Heavy Metals (from Coke, Fly Ash)
133.	Nasrali Village, Mandi Gobindgarh-147301	30.39004	76.1854	Arsenic
RAJASTHAN (11 Sites)				
134.	Jaitpur Village, Rohat Block, Pali, Rajasthan-306421	25.7732	73.3324	Arsenic
135.	Ramky waste management, Udaipur, Rajasthan 313004	24.570855	73.713455	Nickel, Chromium and Cadmium, Lead, Copper, Iron, Zinc
136.	Zawar Mines, Udaipur, Rajasthan 313901	24.3667	73.7167	Arsenic
137.	M/S Puransons, RIICO Industrial	28.201217	76.868799	Lead

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
	Area, Bhiwadi, Alwar District, Rajasthan-301019			
138.	Malvia Nagar Industrial Area, Jaipur City, Rajasthan-302017	26.51314	75.4941	Chromium
139.	Bhilwara textile, Kothari river, Rajasthan- 311001	25.35	74.628	Chromium
140.	Mewar Industrial area, University New Campus Road, Udaipur, Rajasthan-313001	24.34523	73.44564	Lead, Copper, Nickel, Zinc
141.	Rajpur Dariba mines, District Rajasmand, Rajasthan-313324	24.57283	24.57283	Lead
142.	Sokarna village, Balotra, Rajasthan-344022	25.80539	72.26549	Asbestos, Aromatic Hydrocarbons (Benzene, Toluene), Benzidine, VOCs (Trichloroethene, Vinylchloride), Phenol, Chromium, Lead, Zinc,
TAMIL NADU (08 Sites)				
143.	Peranampattu Pond Site, Vellore Tamilnadu-632001	12.92809	78.71429	Chromium
144.	Manali, Chennai, Tamil Nadu-600068	13.17329	80.2962	Sulfur Dioxide
145.	Perumgudi, Chennai-600035	12.952621	80.228193	Nitrate, Silica, Chromium, Nickel, Copper, Copper Cadmium, Zinc, Chloride, Sulphate
146.	Karunguri Village, Kancheepuram, Tamil Nadu- 631501	12.82	79.71	Lead
147.	Kancheepuram, Tamil Nadu-631501	12.82	79.71	Lead
148.	Tirukalimedu Village, Kanchipuram, Tamil Nadu-631501	12.82	79.72	Lead
149.	Walajapet Lake Water Polluted Site, Vellore, Tamilnadu-632513	12.92379	79.3569	Chromium
150.	Ranipet, Tamilnadu-632401	12.9501	79.30869	Chromium
TELANGANA (07 Sites)				
151.	Musi River, Hyderabad - 500001, Telangana	17.2248	78.2921	PAH components, Chromium, Lead
152.	Asani kunta Lake, Medak district, Telangana - 502220	17.630861	78.346664	Not Known
153.	Maheshwaram, Hyderabad-501506	17.933336	79.862988	Nickel, Cobolt, Cobber, Zink, Cadmium, Chromium, Lead

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
154.	Chevella Industrial Area Rangareddy District-501503	17.485929	78.443928	Nickel, Cobolt, Cobber, Zink, Cadmium, Chromium, Lead
155.	LB Nagar Industrial Area, Rangareddy District-501503	17.38701	78.485813	Nickel, Cobolt, Cobber, Zink, Cadmium, Chromium, Lead
156.	Moula Ali Industrial Area Rangareddy District-501503	17.38701	78.485813	Nickel, Cobolt, Cobber, Zink, Cadmium, Chromium, Lead
157.	Gundlapochampally Industrial Area Rangareddy District-501503	17.492928	78.442297	Nickel, Cobolt, Cobber, Zink, Cadmium, Chromium, Lead
UTTAR PRADESH (22 Sites)				
158.	Bhuapur Village, Kaushambhi, Gaziabad, Uttar Pradesh-201010	28.63711	77.32355	Hexavalent Chromium, Chromium
159.	Village-Devri, Tehsil Billari Dist. Moradabad (U.P.) 244001	28.5513	78.79333	Lead
160.	Karula Nala (Drain), Moradabad, Uttar Pradesh Pin 244001	28.81124	78.76695	Chromium
161.	Motipur Village, Chakeri Ward, Near Jajmau Industrial Area, Kanpur-208010	26.39678	80.43953	Hexavalent Chromium
162.	Bharat Oil and Waste Management, Kanpur-208024	26.377107	79.95575	Not Known
163.	Jajmau Industrial Area, Kanpur, Uttar Pradesh-208010	26.40911	80.44404	Chromium, Barium, Copper, Lead, Strontium, Vanadium , Zinc
164.	Rooma-Treatment Storage Disposal Facility, Kanpur-208001	28.63711	80.35	Hexavalent Chromium, Chromium, Arsenic, Cadmium
165.	Wajidpur, Kanpur, Uttar Pradesh- 208010	26.42332	80.41907	Hexavalent Chromium, Chromium
166.	Magarwara Industrial Area, Unnao, Uttar Pradesh	26.55	80.48	Chromium, Barium, Copper, Lead , Strontium, Vanadium, Zinc
167.	Shivnagar Colony, Unnao- 209862	26.55323	80.50761	Chromium, Arsenic, Fluoride
168.	Hindustan Laboratories, UPSIDC, Industrial Area, Naini, Allahabad- 211008	25.37108	81.858742	Not Known
169.	Ashapur Village, Fatehpur- 212631	26.2	80.54	Chromium
170.	Gudhrauly Village, Fatehpur- 212601			Chromium
171.	Ranipur Village, Fatehpur pincode-212641	26.2	80.54	Chromium

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
172.	Babusarai, District Bhadohi-Uttar Pradesh - 221314	28.54702	77.18938	Hexavalent Chromium, Chromium, Arsenic, Cadmium
173.	Chetwa, Meorpur block, District Sonebhadra, Uttar Pradesh - 231208	24.06522	82.42131	Mercury
174.	Kunrwa, Jirgha Dandi, Sonebhadra District, Uttar Pradesh-231208	24.09503	83.0549	Fluoride
175.	Murdhawa Industrial Area, P.O. Renukoot, Dist. Sonebhadra, Uttar Pradesh 231 217	24.13415	83.02426	Mercury
176.	Singrauli Super Thermal Power Plant, Singrauli	24.102683	82.706324	Lead, Chromium, Cadmium, Mercury
177.	Jalapur Chooiya, Bijnor district, Uttar Pradesh- 246701	29.35655	78.1713	Other
178.	Chadenamal Village, Block Thana Bhawan, District Muzaffarnagar- 251001	29.65642	77.45677	Chromium, Cadmium, Pesticides
179.	Dabal Village, Muzaffarnagar district, Uttar Pradesh-251001	29.29062	77.633677	Chromium
UTTARAKHAND (08 Sites)				
180.	Kashipur area distt US Nagar Uttarakhand-244713	29.19907	78.961724	Not Known
181.	Moradabad Road , Kashipur Distt US Nagar, Uttarakhand-244713	28.984258	79.474495	Not Known
182.	Ramnagar Industrial Area and its adjoining area, Uttarakhand- 244715	29.396351	79.130084	Not Known
183.	Jasodhar Industrial area, Distt pauri-246149	30.151213	78.769424	Not Known
184.	Village-Tansipur, Roorkee, Uttarakhand-247656	29.822435	77.853797	Cadmium, Chromium
185.	Selaqui Industrial Area, Dehradun, Uttarakhand pincode 248197	30.18513	78.00378	Mercury
186.	Sansarpur Village, Chutmulpur Road, Saharanpur, Uttarakhand Pincode-247551	30.12428	77.65534	Chromium, Iron, Manganese, Copper, Lead, Cadmium
187.	Lalkaun Area distt Nanital, Uttarakhand-262402	29.08	79.52	Barium, Zinc, Dichlorobenzene, Pentachlorophenol, VOCs (Trichloroethane, Trichloro methane)
WEST BENGAL (08 Sites)				
188.	Hindustan Heavy Chemicals, Kardah, 19,BT ROAD,	88.374617	Industrial	Mercury

List of 195 Sites Yet to be Assessed				
S. No.	Site Location	Latitude	Longitude	Type of Contaminants
	KHARDAH,KOLKATA-700116			
189.	Howrah, West Bengal-711101	22.650751	88.265831	Chromium
190.	Calcutta Chemical Products, Dankuni Durgapur road,vill.- Dankuni,Dist.-Hoogly-712310	22.706641	88.282848	Aromatic Hydrocarbon
191.	Bandel Thermal Power Station (BTPS), Hooghly District, West Bengal-712123	22.5995	88.2413	Pesticides
192.	Durgapur Chemicals Ltd., Durgapur, West Bengal-713201	23.506708	87.285935	Mercury
193.	Durgapur Napthelene, WEST BENGAL-713201	23.506652	87.345501	Aromatic Hydrocarbon
194.	Belda Chemicals, vill.-Kharagpur (Mednipur) West Bengal-721301	22.08858	87.34939	Aromatic Hydrocarbon
195.	Kolaghat thermal power plant, Midnapore district, West Bengal- 721301	22.414693	87.864557	Uranium, Cadmium, Zinc, Rubidium, Strontium, Zirconium, Lead, Barium, Scandium
