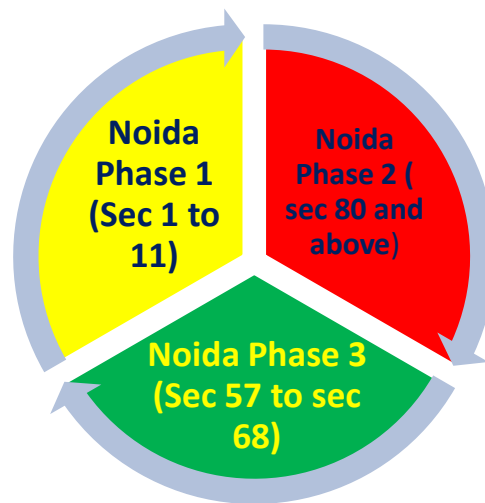


**COMPREHENSIVE ENVIRONMENTAL  
POLLUTION INDEX (CEPI)  
DRAFT ACTION PLAN  
FOR  
CRITICALLY/SEVERELY POLLUTED  
AREA**



**(Noida, Gautam Budh Nagar)**

**PREPARED BY:**



**REGIONAL OFFICE  
U.P. POLLUTION CONTROL BOARD  
NOIDA**

# **COMPREHENSIVE ENVIRONMENTAL POLLUTION INDEX (CEPI)**

## **DRAFT ACTION PLAN**

### **UTTAR PRADESH POLLUTION CONTROL BOARD REGIONAL OFFICE,**

#### **1. INTRODUCTION**

In 2009, the Ministry of Environment & Forests (MoEF), Govt. of India in association with Central Pollution Control Board (CPCB), New Delhi and Indian Institute of Technology (IIT), New Delhi have carried out an environmental assessment of industrial clusters across the country named Comprehensive Environmental Pollution Index (CEPI) with the aim of identifying polluted industrial clusters & prioritizing planning needs for intervention to improve the quality of environment in these industrial clusters and the nation as a whole.

The CEPI criteria was revised in 2016 and based on the CEPI-2016 criteria, CPCB carried out further monitoring in the year 2017-18, these clusters went up to 100 clusters as may referred to order issued by Hon'ble National Green Tribunal for Original Application No. 1038/2018 dated 13.12.2018.

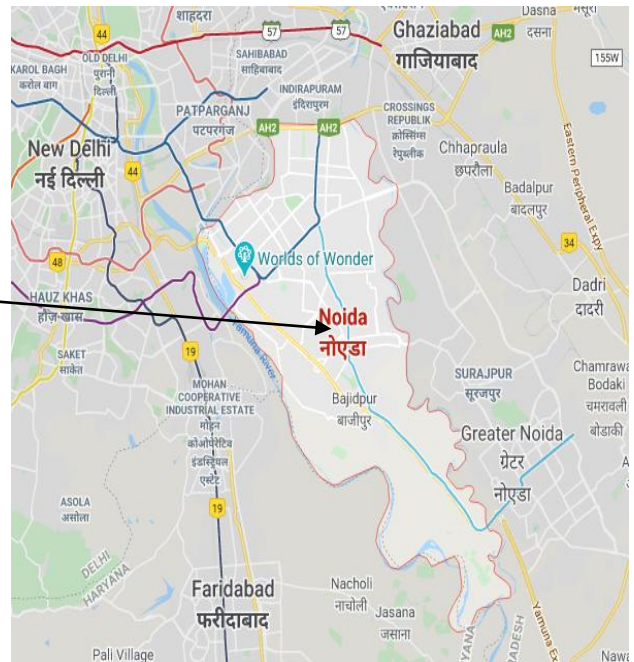
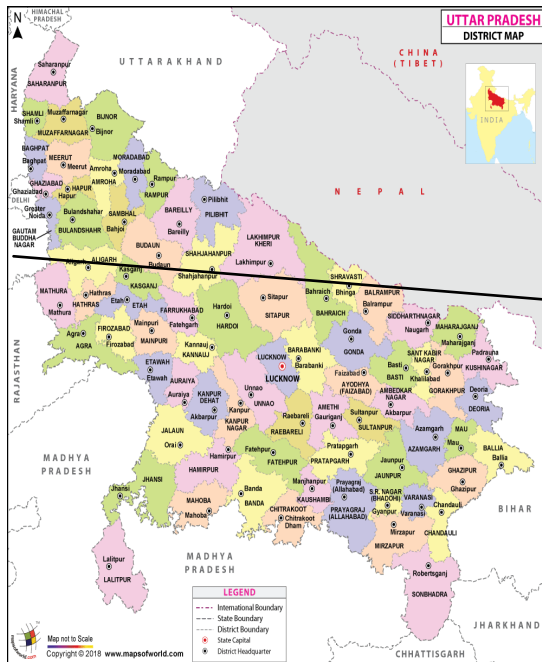
The industrial clusters/areas having aggregated CEPI scores of 70 and above were considered critically polluted clusters/areas and those with scores above 60 were classified as Severely Polluted; further detailed investigations were carried out in terms of the extent of environmental damage and formulation of appropriate remedial action plan. There are total 13 Polluted industrial Areas (PIAs) which includes 9 critically polluted Areas (CPA) namely Mathura, Kanpur, Moradabad, Varanasi-Mirzapur, Bulandshahar-Khurja, Firozabad, Gajraula area, Agra, Ghaziabad and 4 severely Polluted Area viz. Noida, Meerut, Aligarh, Singrauli (UP & MP)

#### **1.1 AREA DETAILS**

As per the CEPI assessment, District Gautam budh Nagar has 6 polluted areas as per 2018 monitoring report. Following areas has identified with under CEPI within 5 KM. city having cumulative geographical area and when was demarcated as one of the CEPI area.

- Noida Phase 1 (Sec 1 to 11)
- Noida Phase 2 ( sec 80 and above)
- Noida Phase 3 (Sec 57 to sec 68)

(Insert a location map showing CEPI areas in the city- Sample map has been attached below and provide other details as well)



## 1.2 LOCATION

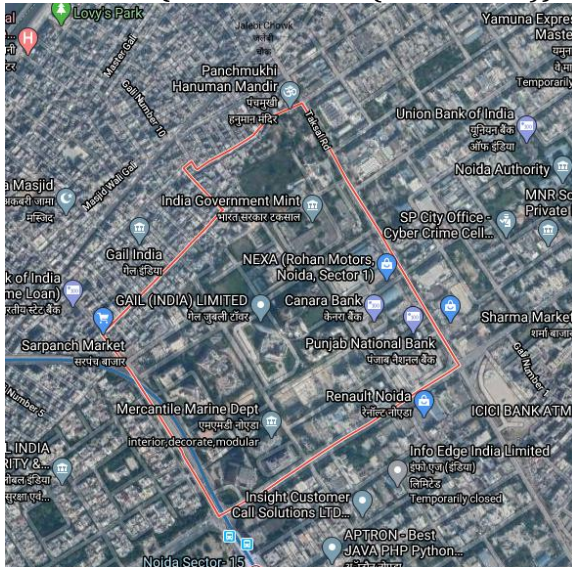
The coordinates of the cluster boundary are as follows:

Clusters	Direction	Latitude	Longitude
Cluster-1 (Noida Phase 1)	East	28.589068	77.316110
	West	28.589685	77.308117
	North	28.594221	77.312687
	South	28.586063	77.310778
Cluster-2 (Noida Phase 2)	East	28.539200	77.420654
	West	28.537165	77.393703
	North	28.547871	77.405634
	South	28.529699	77.405634
Cluster-3 (Noida Phase3)	East	28.613491	77.404437
	West	28.615751	77.354913
	North	28.632025	77.375426
	South	28.600831	77.380147

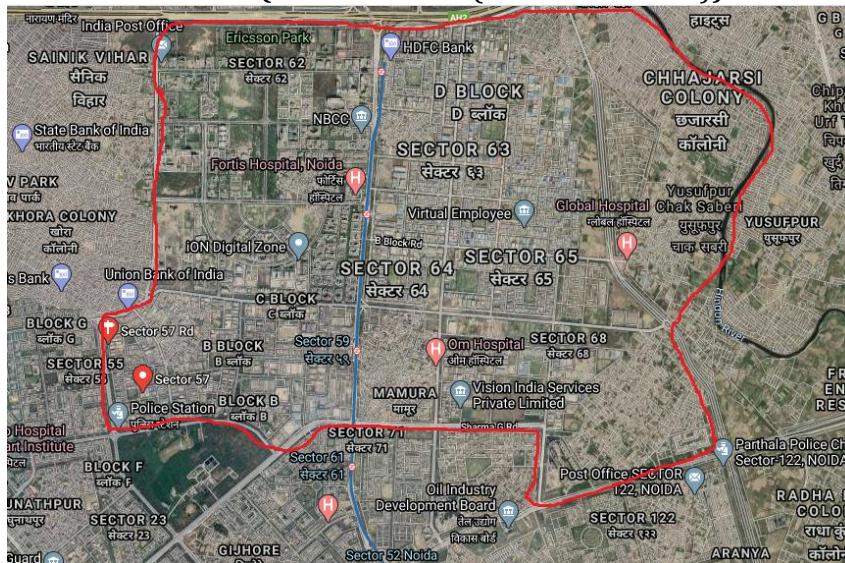
# 1.3 Digitized map showing geographical boundaries and Impact Zones


IMAGE 1: AERIAL VIEW - INDUSTRIAL CLUSTER

Cluster-1 (Noida Phase 1 (Sec 1 to 11)) Cluster-2 (Noida Phase 2 ( sec 80 and above))



Cluster-3 (Noida Phase 3 (Sec 57 to sec 68))



 Cluster boundary

#### 1.4 CEPI Score (Air, Water, Land and Total) **68.78**

**1.5 BASELINE STATUS OF SENSITIVE RECEPTORS:** Total population and sensitive receptors (hospitals, educational institutions, courts etc) residing in the area comprising geographical area of the cluster and its impact zone.

S. No	Population		Number of Hospitals		Number of Educational Institutions		Number of Courts		Other socially sensitive features	
	Within Cluster	Impact Zone	Within Cluster	Impact Zone	Within Cluster	Impact Zone	Within Cluster	Impact Zone	Within Cluster	Impact Zone
1.	1000	10000	2	20	0	1	0	0	0	2
2.	1250	13800	0	0	0	0	0	0	0	0
3.	3500	15000	9	15	0	0	0	0	0	0

**1.6 ECO-GEOLOGICAL FEATURES:** Impact Zones [the area comprising of geographical area of the cluster and its impact zone (minimum 2 km)]

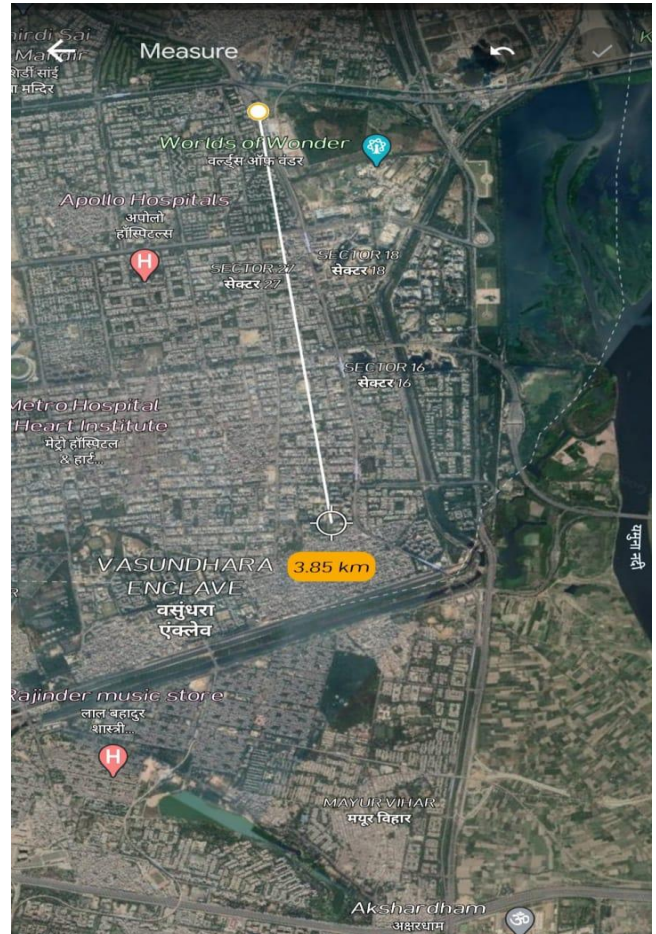
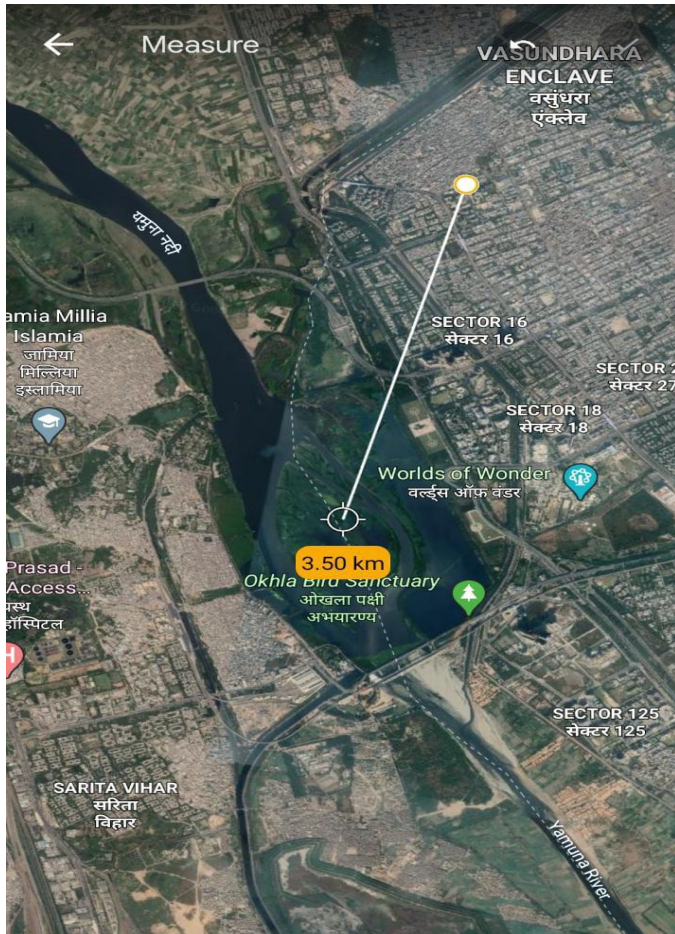
##### 1.6.1 Major water bodies (Rivers, Lakes, Ponds, etc.)

S. No	Rivers		Lakes		Ponds	
	Within Cluster	Impact Zone	Within Cluster	Impact Zone	Within Cluster	Impact Zone
1.	0	1	0	1	0	0
2.	0	0	0	0	0	0
3.	1	1	0	0	0	0

##### 1.6.2 Ecological parks, sanctuaries, flora and fauna or any eco sensitive zones:

Given below is the list of ecologically sensitive zones within the impact zone of the CEPI areas along with their distance and direction from the area:

S. Nos.	List of environmentally sensitive zones	Number	Distance and direction
1.	Okhala bird sanctuary	1	3.5 km south west from cluster 1
2.	Botanic Garden of Indian Republic Sector-37 Noida	1	3.8 km south west from cluster-1



(Cluster-1)

(Google Earth image showing above given zones)

**1.6.3 Buildings or Monuments of historical/archaeological/religious importance**

S. Nos.	List of Buildings or Monuments of historical/archaeological/religious importance's	Number	Distance and direction
-			

**1.7 Industry classification: Distribution (no. of industries per 10 sq.km area or fraction)**

The total number of industries in the cluster is as listed below:

**1.7.1 HIGHLY POLLUTING INDUSTRIES (17 CATEGORIES)**

SCALE OF INDUSTRIES	HIGHLY POLLUTING INDUSTRIES		
	AIR	WATER	NO. OF E-WASTE/HAZARDOUS WASTE GENERATING INDUSTRIES
LARGE	0	0	0
MEDIUM	1	1	0
TOTAL	1	1	0

#### 1.7.2 RED CATEGORY INDUSTRIES (60 CATEGORIES)

SCALE OF INDUSTRIES	HIGHLY POLLUTING INDUSTRIES		
	AIR	WATER	NO. OF E-WASTE/HAZARDOUS WASTE GENERATING INDUSTRIES
LARGE	0	0	0
MEDIUM	02	02	0
SMALL	85	85	0
TOTAL	87	87	0

#### 1.7.3 ORANGE AND GREEN CATEGORY INDUSTRIES

SCALE OF INDUSTRIES	HIGHLY POLLUTING INDUSTRIES		
	AIR	WATER	NO. OF E-WASTE/HAZARDOUS WASTE GENERATING INDUSTRIES
LARGE	0	0	0
MEDIUM	34	34	0
SMALL	1099	1099	0
TOTAL	1133	1133	0

#### 1.7.4 GROSSLY POLLUTING INDUSTRIES

SCALE OF INDUSTRIES	HIGHLY POLLUTING INDUSTRIES		
	AIR	WATER	NO. OF E-WASTE/HAZARDOUS WASTE GENERATING INDUSTRIES
LARGE	0	0	0
MEDIUM	07	07	0
SMALL	15	15	0
TOTAL	22	22	0

# **Water Environment**



## 2. WATER ENVIRONMENT

### 2.1.1 PRESENT STATUS OF WATER ENVIRONMENT SUPPORTED WITH MINIMUM ONE-YEAR ANALYTICAL DATA

(Rainy Well NO-7, Noida Authority, Jal-1, Noida)

Sample collection date: 05/07/2019

S. No	Parameters	Observed values	Standards
1.	Colour	Colourless	-
2.	Odour	Odourless	-
3.	p.H	7.3	6.5-8.5
4.	T.H	477	300 mg/l
5.	Calcium	101	200 mg/l
6.	Magnesium	54	100 mg/l
7.	Chloride	402	300 mg/l
8.	T.D.S	1540	500 mg/l
9.	Alkalinity	396	600 mg/l
10.	Metals	ND	-

### 2.1.2 WATER BODIES/ EFFLUENT RECEIVING DRAINS IN THE AREA IMPORTANT FOR WATER QUALITY MONITORING

S. No	Water Bodies	No. of drains discharging	Effluent discharge (MLD)
1.	No water Bodies	-	-

### 2.1.3 PRESENT LEVELS OF POLLUTANTS IN WATER BODIES/EFFLUENT RECEIVING DRAINS/GROUND WATER (ROUTINE PARAMETERS, SPECIAL PARAMETERS AND WATER TOXICS RELEVANT TO THE AREA IN THREE CATEGORIES - KNOWN CARCINOGENS, PROBABLE CARCINOGENS AND OTHER TOXICS)

S. No	Parameters	Observed values	Standards
1.	Zero liquid discharge (ZLD)	NA	NA

### 2.1.4 PREDOMINANT SOURCES CONTRIBUTING TO VARIOUS POLLUTANTS

S.NO.	Sources	Effluent discharge	Major Pollutants
1	Industry	Zero liquid discharge (ZLD)	NA

## 2.2 SOURCES OF WATER POLLUTION

### 2.2.1 INDUSTRIAL POLLUTION SOURCES

The drain wise and sector wise distribution of industries and their estimated treated effluent discharge and details of CETP is given in the tables below:

#### Summary of Industrial Units-

S.No.	Drain	Type of Industry * The Type of Industry may be changed as per local conditions						Total Effluent Discharge (MLD)
		Sugar	Pulp & Paper	Distillery	Textile	Slaughter House	Others	Total
-								

## 2.2.2 DOMESTIC POLLUTION SOURCES

### A. DETAILS OF DRAINS

#### Summary of Drains

S No.	District	No. of Drains	Type of Drains	Status of Drains			Sewage Discharge (MLD)			Total Discharge in the River (MLD)
				Domestic	Tapped	Untapped	Partially Tapped	Treated	Untreated	
1.	Gautam budh nagar	1	domestic	-	1	0	196	-	196	-

**Source:** Kondli irrigation /Noida drain,

### B. Details of Sewage Pollution Sources

The details of Sewage Treatment Plants along with installed capacity, utilized capacity, operating agency and discharge point is given in the table below:-

### Details of STPs

S.No.	Name of STP	Location		Installed Capacity (MLD)	Utilized Capacity (MLD)	Capacity Utilized (%)	Operating Govt. Agency	Discharge Drain
		Latitude	Longitude					
1.	25 MLD STP, SECTOR-50, NOIDA	28.572216	77.375435	25	20	80%	Noida Industrial Development Authority	Kondli irrigation drain to Yamuna river
2.	34 MLD STP, SECTOR-50, NOIDA	28.57222	77.376937	34	27	79.41%	Noida Industrial Development Authority	Kondli irrigation drain to Yamuna river
3.	33 MLD STP, SECTOR-54, NOIDA	28.595708	77.359318	33	26	78.78%	Noida Industrial Development Authority	Kondli irrigation drain to Yamuna river
4.	54 MLD STP, SECTOR-54, NOIDA	28.597837	77.359983	54	43	79.62%	Noida Industrial Development Authority	Kondli irrigation drain to Yamuna river
5.	35 MLD STP, SECTOR-123, NOIDA	28.59328	77.409684	35	28	80%	Noida Industrial Development Authority	Hindon river to Yamuna river
6.	50 MLD STP, SECTOR-168, NOIDA	28.486774	77.409636	50	40	80%	Noida Industrial Development Authority	Kondli irrigation drain to Yamuna river

**2.2.3 OTHERS (AGRICULTURAL RUNOFF, LEACHATE FROM MSW DUMP, ILLEGAL DUMP SITES ETC.):** Please provide details- NONE

**2.2.4 IMPACT ON SURROUNDING AREA (OUTSIDE THE CEPI AREA):** On The Water Sources/Drainage System Of The Area Under Consideration.

**2.3 DETAILS OF WATER POLLUTING INDUSTRIES IN THE AREA/ CLUSTER**

S. No	Name and Address	Location		Type	Treatment Mechanism (ETP/CETP)	Effluent Discharge (KLD)	Effluent Discharge Drain	Consent status	
		Latitude	Longitude					Air	Water
1.	Advance Appliances(p)Ltd, B-21, Sector-83, Noida	28.4305	77.29507	Metal Surface Treatment	ETP	1.5	Kondli Drain	Granted	Granted
2.	Aero Club, c-16, Phase-2, Noida	28.669699	77.310122	Yarn/Textile processing(Printing only)	ETP	3.0	Kondli Drain	Granted	Granted
3.	Afflatus Gravures(p)Ltd, A-10A, Sector-68, Noida	28.6047	77.390056	Metal surface Treatment	ETP	10.0	Kondli Drain	Granted	Granted
4.	Agra products(p)Ltd, Plot No-94,99, NSEZ, Noida	28.541397	77.397035	Metal Surface Treatment	ETP	8.0	Kondli Drain	Granted	Granted
5.	Anand Electroplaters B-87,88, Sector-10, Noida	28.678651	77.438686	Metal Surface Treatment	ETP	2.0	Kondli Drain	Granted	Granted
6.	Ankur Industries C-395, Sector-10,	28.591433	77.330979	Metal Surface	ETP	1.0	Kondli Drain	Under process	Granted

	Noida			Treatment					
7.	Apsim International(p) Ltd, W-4, Sector-11, Noida	28.600005	77.334065	Yarn/Textile processing(Printing only)	ETP	1.5	Kondli Drain	Granted	Granted
8.	B.R. Seth & Co. C-20, Sector-6, Noida	28.595315	77.319033	Metal Surface Treatment	ETP	2.0	Kondli Drain	Granted	Granted
9.	Bhalla Electroplaters C-195, Sector-10, Noida	28.590595	77.332915	Metal Surface Treatment	ETP	1.0	Kondli Drain	Granted	Granted
10.	Bharat Electroplaters H-77, Sector-09, Noida	28.588195	77.326613	Metal Surface Treatment	ETP	2.0	Kondli Drain	Granted	Granted
11.	C & S Electric, C-59, Phase-2, Noida	28.537903	77.279304	Metal Surface Treatment	ETP	20.0	Kondli Drain	Granted	Granted
12.	Captain Gears & Fans, D-35, Sector-11, Noida	28.599167	77.333362	Metal Surface Treatment	ETP	1.5	Kondli Drain	Granted	Granted
13.	Chemical Systems, B-146, Phase-2, Noida	28.669699	77.310122	Basic Chemicals & Derivatives	ETP	0.5	Kondli Drain	closed	closed
14.	Chemico Processing, A53, Sector-83, Noida	28.528227	77.397903	Yarn/Textile processing(Printing only)	ETP	5.0	Kondli Drain	Granted	Granted
15.	Connect International, B-05, Sector-81, Noida	28.547415	77.403747	Metal Surface Treatment	ETP	1.5	Kondli Drain	Granted	Granted
16.	Cosmo Industries, C-44, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile processing(Printing only)	ETP	50.0	Kondli Drain	Granted	Granted

17.	D.P. Garg B-210B, Phase-2, Noida	28.531655	77.407574	Metal Surface Treatment	ETP	20.0	Kondli Drain	Granted	Granted
18.	Savencia Formage & Dairy India Pvt Ltd, A- 41,42,Hosiery complex, Noida	28.538191	77.405976	Milk processing	ETP	20.0	Kondli Drain	Granted	Granted
19.	Dalip Enterprises, D-87, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	1.5	Kondli Drain	Granted	Granted
20.	Delhi Prints, D-97, Sector-02, Noida	28.531655	77.407574	Yarn/ Textile Processing (Printing Only)	ETP	2.0	Kondli Drain	Granted	Granted
21.	Delta Factors India Pvt. Lid, C-459, Sector-10, Noida	28.596969	77.36508	Yarn/Textile Processing	ETP	1.0	Kondli Drain	Granted	Granted
22.	Dr. Willmer Schwabey, A-36, Sector-60, Noida	28.60542	77.363336	Pharmaceuti cals	ETP	18.0	Kondli Drain	Granted	Granted
23.	Eveready India Ltd., B-1, B-2, Sector - 80, Noida	28.552587	77.403249	Industrial Carbon Including Electrodes etc.	ETP	8.0	Kondli Drain	Granted	Granted
24.	Frontier Print, A- 66,sector-80, Noida	28.556554	77.405645	Yarn/ Textile Processing (Printing Only)	ETP	5.0	Kondli Drain	Granted	Granted
25.	Gripwel Fasteners (P)Ltd., 142A/30, 142A/51, NSEZ, Noida	28.541397	77.397035	Metal Surface Treatment	ETP	70.0	Kondli Drain	Granted	Granted

26.	Hafiz Exports, B-50, Hosiery Complex, Noida	28.531655	77.407574	Yarn/ Textile Processing (Printing Only)	ETP	5.0	Kondli Drain	Granted	Granted
27.	Haldiram Snacks (P)Ltd., A-11, Sector-68, Noida	28.606855	77.391295	Veg	ETP	400	Kondli Drain	Granted	Granted
28.	Haldiram Snacks (P)Ltd., C-3, Sector-67, Noida	28.606315	77.385555	Veg	ETP	600	Kondli Drain	Granted	Granted
29.	Haldiram Snacks (P)Ltd., A-2-4, Sector-65, Noida	28.613791	77.384104	Veg	ETP	500	Kondli Drain	Granted	Granted
30.	Haldiram Snacks (P)Ltd., B-1, Sector-63, Noida	28.626641	77.384803	Veg	ETP	600	Kondli Drain	Granted	Granted
31.	Indeutsch Industries Pvt. Ltd. 39,40, N.S.E.Z., Phase - 2, Noida	28.516675	77.404676	Metal Surface Treatment	ETP	10.0	Kondli Drain	Granted	Granted
32.	Indeutsch, 141, NSEZ, Noida	28.516675	77.404676	Metal Surface Treatment	ETP	10.0	Kondli Drain	Granted	Granted
33.	Indeutsch, 42, NSEZ, Noida	28.541397	77.397035	Metal Surface Treatment	ETP	3.0	Kondli Drain	Granted	Granted
34.	Info Power Technologies (Formerly - Sarc Synertech Ltd.) A-4, Phase-II, Noida	28.613029	77.365461	Metal Surface Treatment	ETP	20.0	Kondli Drain	Granted	Granted



35.	J.P.C., B-4, Hosiery Complex, Noida	28.532262	77.400801	Textiles	ETP	208.0	Kondli Drain	Granted	Granted
36.	Laal Sons Electrotech Pvt. Ltd. B-29, Sector- 8, Noida	28.595092	77.32987	Metal Surface Treatment	ETP	0.5	Kondli Drain	Granted	Granted
37.	Laxmi Remote India (P) Ltd, B- 201, Phase-II, Noida	28.546626	77.410447	Metal Surface Treatment	ETP	15.0	Kondli Drain	Granted	Granted
38.	LTS International (P)Ltd., B-13, Hosiery Complex, Noida	28.531655	77.407574	Metal Surface Treatment	ETP	4.0	Kondli Drain	Refused	Refused
39.	Luxor Writing Instruments (P)Ltd., A-40, Hosiery Complex, Phase-II, Noida	28.541271	77.387581	Metal Surface Treatment	ETP	5.0	Kondli Drain	Granted	Granted
40.	Mezzo Clothing (P)Ltd., A-3, Sector-58, Noida	77.359719	77.359719	Yarn/ Textile Processing (Printing Only)	ETP	2.0	Kondli Drain	Granted	Granted
41.	Minda Corporation Ltd., D-6-11, Sector-59, Noida	28.60641	77.368705	Metal Surface Treatment	ETP	15.0	Kondli Drain	Applied	Applied
42.	Modern Door Devices Pvt.LTd.,C-75A, Sector 8, Noida	28.594805	77.326466	Metal Surface Treatment	ETP	5.0	Kondli Drain	Granted	Granted
43.	Monica Steel (P)Ltd., A-56, Sector-8, Noida	28.593997	77.329852	Metal Surface Treatment	ETP	1.0	Kondli Drain	Granted	Granted
44.	Moryo Calico,C- 131, Sector-63,	28.614817	77.383113	Yarn/ Textile	ETP	2.0	Kondli Drain	Granted	Granted

	Noida			Processing (Printing Only)					
45.	N.K. Dyeing C-170, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	30.0	Kondli Drain	Granted	Granted
46.	Nano Electrotech Pvt. Ltd. F-3B, S.D.F.N.S.E.Z., Noida	28.664392	77.446532	Metal Surface Treatment	ETP	1.8	Kondli Drain	Granted	Granted
47.	Neokraft Global (P)Ltd. (Formerly - New Lite ZKW Lighting (P) Ltd. 137, NSEZ, Noida	28.541397	77.397035	Metal Surface Treatment	ETP	58.0	Kondli Drain	Granted	Granted
48.	Nidhi Auto Pvt. Ltd. C-43, Phase-II, Noida	28.613029	77.365461	Metal Surface Treatment	ETP	20.0	Kondli Drain	Granted	Granted
49.	Parag Dairy, B-219, Phase-II, Noida	28.539011	77.406405	Dairy	ETP	250.0	Kondli Drain	Granted	Granted
50.	Pawan Processors, B-6, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	0.0	Kondli Drain	Closed	Closed
51.	Quality Needles (P) Ltd., A-8, Sector-57, Noida	28.596089	77.339992	Metal Surface Treatment	ETP	11.0	Kondli Drain	Granted	Granted
52.	RGA Export (P) Ltd., B-43, Sector-81, Noida	28.547554	77.39961	Yarn/Textile Processing (Printing Only)	ETP	5.0	Kondli Drain	Granted	Granted
53.	S.K. Enterprises, C-191, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile Processing (Printing Only)	ETP	2.0	Kondli Drain	Not Applied	Not Applied
54.	S.S. Processors PVt. Ltd. A-43, Sector-5, Noida,	28.64521	77.346697	Yarn/Textile Processing	ETP	15.0	Kondli Drain	Granted	Granted

	Gautambuddha Naga								
55.	Samtex Desinz (Formerly- Nalini Silk Mills), Plot No.-A-36, Phase-II, Noida	28.530383	77.395494	Cotton Textile Industries	ETP	700.0	Kondli Drain	Closed	Closed
56.	Sandeep Paper Mills (P) Ltd, A-20, Sector-6, Noida	28.518447	77.241465	Pulp & Paper Unit	ETP	850.0	Kondli Drain	Granted	Granted
57.	Sandhu Electroplating & Engineering Works B-91, Sector 10, Noida	28.590016	77.329377	Metal Surface Treatment	ETP	1.0	Kondli Drain	Granted	Granted
58.	Sanidhya Engineers (P) Ltd., D-43, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	25.0	Kondli Drain	Not Applied	Not Applied
59.	Satguru Processor, C-160, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	30.0	Kondli Drain	Granted	Granted
60.	Sequel Alloys & Wires (P) Ltd., 143A, 154A to 154E, NSEZ, Noida	28.53059	77.3906	Metal Surface Treatment	ETP	4.0	Kondli Drain	Granted	Granted
61	Sham Dyers B-24, Sector-4, Noida	28.582694	77.323775	Yarn/Textile Processing	ETP	48.0	Kondli Drain	Granted	Granted
62	SMC Pneumatics (I)(P)Ltd., A-4, Sector-88, Noida	28.683242	77.367949	Metal Surface Treatment	ETP	14.0	Kondli Drain	Granted	Granted
63	Soni Dyeing C-190, Hosiery Complex, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	45.0	Kondli Drain	Granted	Granted
64	Sterling Ornaments (P)Ltd.	28.5701	77.323134	Metal Surface	ETP	8.0	Kondli Drain	Granted	Granted

	JC-19, N.S.E.Z., Noida			Treatment					
65	Subros Ltd., B-198, Phase-II, Noida	28.669699	77.310122	Metal Surface Treatment	ETP	220.0	Kondli Drain	Granted	Granted
66	Super Fine Processors (P) Ltd., C-36, Sector-8, Noida	28.595051	77.328005	Yarn/Textile Processing	ETP	10.0	Kondli Drain	Granted	Granted
67	T.P.Singh & Company C-179, Hosiery Complex, Noida	28.531655	77.407574	Metal Surface Treatment	ETP	5.0	Kondli Drain	Granted	Granted
68	The Ganesh Hosiery Industries, F-67, Sector-11, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	30.0	Kondli Drain	Granted	Granted
69	Uflex Ltd., A-1, Sector-60, Noida	28.6037739	77.3661788	Metal Surface Treatment	ETP	20.0	Kondli Drain	Granted	Granted
70	Uflex Ltd., A-2, Sector - 60, Noida	28.6037739	77.3661788	Metal Surface Treatment	ETP	5.0	Kondli Drain	Granted	Granted
71	Uniparts India Ltd. B-208, Phase-II, Noida	28.540635	77.40421	Metal Surface Treatment	ETP	15.0	Kondli Drain	Granted	Granted
72	Vakeel Art Prints, B-105, Phase-II, Noida	28.669699	77.310122	Yarn/Textile Processing (Printing Only)	ETP	2.0	Kondli Drain	Granted	Granted
73	Vibracoustic Noida (P)Ltd. (Formerly known as Trelleborg Automotive (India) Ltd.), B-190, Phase-II, Noida	28.669699	77.310122	Metal Surface Treatment	ETP	150.0	Kondli Drain	Granted	Granted

74	Whorra Enterprises, C-46, Sector-81, Noida	28.548344	77.399146	Metal Surface Treatment	ETP	3.0	Kondli Drain	Granted	Granted
75	Karika India Pvt. Ltd B-126, Sector-5, Noida	28.531655	77.407574	Yarn/Textile Processing	ETP	5.0	Kondli Drain	Granted	Granted
77	Karam Ji Chemical, B-69, 70, Sector-8, Noida			Acid Bottling	ETP	5.0	Kondli Drain	Granted	Granted

## 2.4 ACTION PLAN FOR COMPLIANCE AND CONTROL OF POLLUTION

### Short Term Action Points (up to 1 year, including continuous activities)

S. No.	Action Points (Source and Mitigation)	Responsible Agencies/Stake Holders	Time Limit/Frequency
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1. a)	<b>Water Pollution</b> <b>Industrial Source</b> - Proposed Action Plan for effective control of Water Pollution: <ul style="list-style-type: none"> <li>Regular effluent sample collection and analysis of Pollution Control System in Large &amp; Medium &amp; Small Scale Polluting Industries to be done to ensure strict compliance of prescribed Norms.</li> </ul>	UPPCB Individual Industry	Monthly, Quarterly
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	<ul style="list-style-type: none"> <li>Installation of energy meter, on line PH meter, automatic chemical dosing system, on line flow measurement and installation of independent laboratory to monitor critical parameters like MLSS, SVI etc. and other inlet and outlet parameters of ETP for Large &amp; Medium Industries and industries situated.</li> </ul>	Individual Industries (Large and Medium)	Ongoing
	<ul style="list-style-type: none"> <li>Up gradation of ETP in existing water polluting units is to be done on case to case basis. Under the up gradation plan, suitable tertiary treatments methods are to be installed in a time bound manner in order to ensure that treated water is recycled / reused to the maximum extend.</li> </ul>	Individual Industries.	Within 06 months.

	<ul style="list-style-type: none"> <li>• <b>Up gradation of ETP's:</b> Conversion of conventional reduction treatment of electroplating waste water to Ion exchange method and its recycling in Large &amp; Medium sector units, wherever existing ETP is not functioning properly. Prospective agents with expertise in this field shall be shortlisted in next 6 months.</li> </ul>	UPPCB & Individual Industries.	06 Months
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	<p>Also, small industries in the region currently using physico chemical treatment methods to treat their effluent shall be upgraded such as installation of dual media filter and Activated Carbon filter.</p>	UPPCB & Individual Industries.	06 months
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b)	<p><b>Groundwater Pollution</b></p> <ul style="list-style-type: none"> <li>Regular monitoring of Over Head Tanks supplying drinking water in the region and Rainy wells is proposed to be done by Regional Laboratory of State Pollution Control Board.</li> <li>Also, intensive surveys will be done to ensure that practice of reverse boring is not prevalent in the region.</li> </ul>	UPPCB	Ongoing	authority/ State ground water authority
		UPPCB	Ongoing	
c)	<p><b>Domestic Waste Water (Sewage)</b></p> <p>Domestic sewage contributes to about 80% of Water. The status of Sewage Pollution Control is as follows:</p>			
	<ul style="list-style-type: none"> <li>STPs are Operational:</li> <li>Effective operation &amp; maintenance of installed STP.</li> <li>Combined Inspection of STPs by UPPCB and Jal Nigam</li> <li>Upcoming High Rise Buildings, Commercial Project, Educational Institution, Multi Plexes, Town ship &amp; Building Projects are major source of sewage generation and Municipal Solid Waste.</li> </ul> <p>Such projects must ensure setting up of STPs, recirculation of</p>	<p>UPPCB and Authority</p> <p>Project proponent Local Authority &amp; UPPCB.</p>	Ongoing	Weekly Monitoring of STP's.



	Treated water for flushing/gardening regarding purpose & ensure compliance of the conditions of the Environment Clearance and NOC from PCB.			
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**2.6.4.6 Rejuvenation/ Management Plan for important eco-geological features- Hindon Rejuvenation Plan 2019.**

**2.6.6 Self monitoring systems industries (ETPs) etc.- Please provide details**

S. No.	Industries	Category	ETPs installed(Y/N)
1.	1	Pulp & Paper	Y
2.	9	Textile	Y
3.	0	Slaughter House	NO UNIT
4.	0	Distillery	NO UNIT

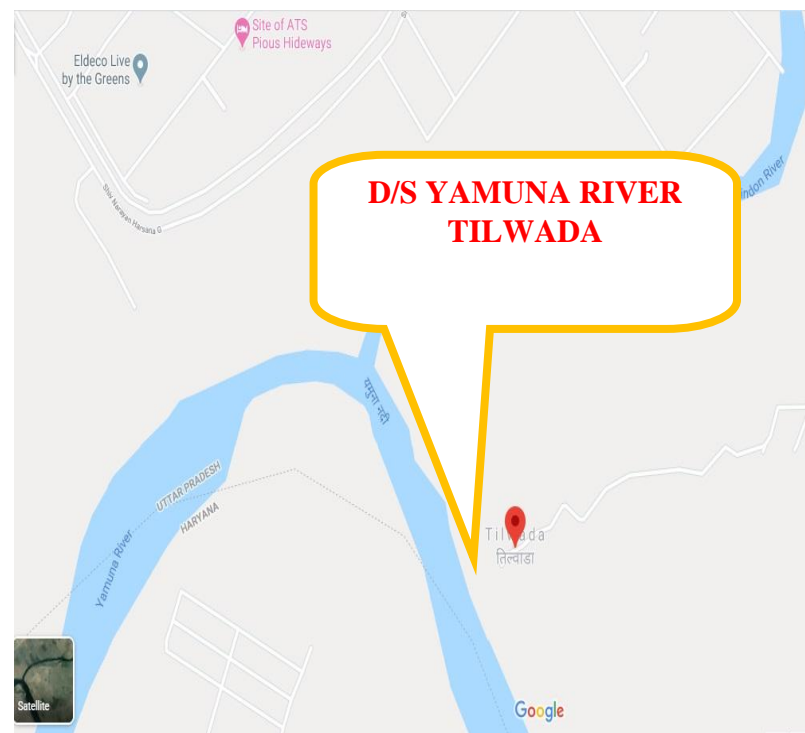
**2.6.7 Data linkages to SPCB / CPCB (of monitoring devices) - Please provide details**

S. No.	Name of Industry	Address		
1	Sandeep Paper Mill(P) Ltd.,	A-20, Sector-6,Noida Gautam Budh Nagar	SPCB	CPCB

## 2 MONITORING: SURFACE WATER, GROUND WATER& AIR QUALITY

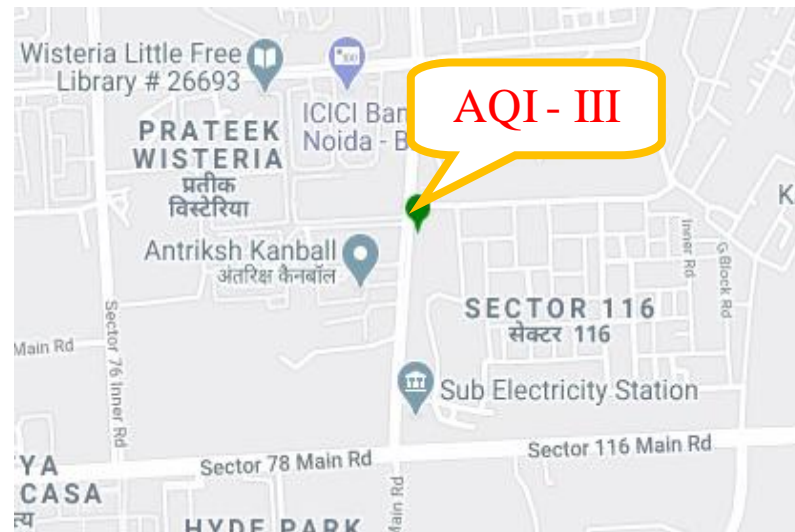
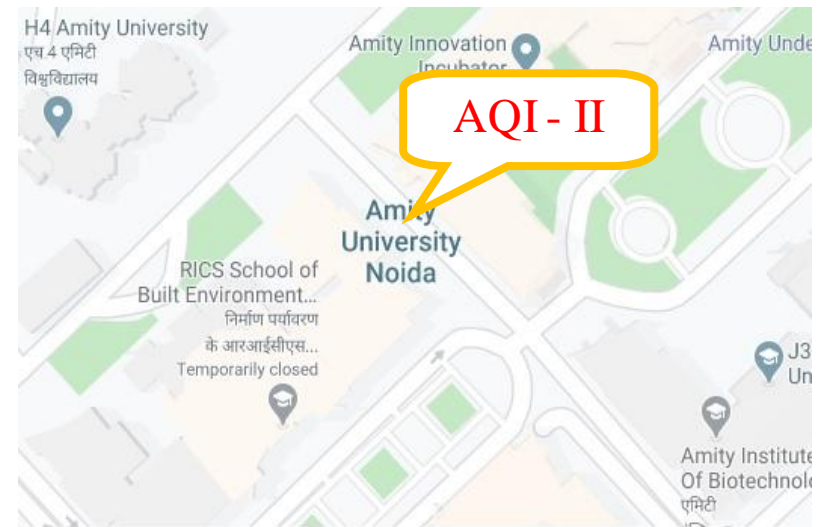
### SURFACE WATER MONITORING STATIONS:

#	Location/Station	Location Code	#	Location/Station	Location Code
1	U/S Yamuna river near okhla barrage Noida	-	3	U/S Hindon river vill, chhijarsi noida	10104
2	D/S Yamuna river, vill, Tilwada, Noida	-	4	D/S Hindon river vill,Tilwada,noida	10105





## AIR QUALITY MONITORING STATIONS:



#	Location/Station	Location Code	#	Location/Station	Location Code
1.	Regional office building, E-12/1, sector-1 Noida , Uttar Pradesh ( <b>CAAQMS</b> )	AQ-1	5.	Gee-Pee electroplating, G-73, Noida, Uttar Pradesh ( <b>Manual AQI monitoring station</b> )	378
2.	Amity university, Sector-125, Noida, Uttar Pradesh ( <b>CAAQMS</b> )	AQ2	6.	Golf Course, Sector-37, Noida, Uttar Pradesh ( <b>Manual AQI monitoring station</b> )	PCB/GCN/03
3.	Sector-116, Noida, Uttar Pradesh ( <b>CAAQMS</b> )	AQ3	7.	Subrose Limited, Phase-2 ( <b>Manual AQI monitoring station</b> )	PCB/SLN/04
4.	Regional office building, E-12/1, sector-1 Noida , Uttar Pradesh ( <b>Manual AQI monitoring station</b> )	403			

# ***Air Environment***

**3.1 Present status of Air environment:** supported with minimum one-year analytical data i.e. status of AQI of last 1 year.

S. Nos.	Cluster	Months(2019)	AQI	Condition
1.	Cluster 1,2,3	January	236	Poor
2.		February	188	Moderate
3.		March	170	Moderate
4.		April	193	Moderate
5.		May	236	Poor
6.		June	188	Moderate
7.		July	150	Moderate
8.		August	111	Moderate
9.		September	108	Moderate
10.		October	257	Poor
11.		November	254	Poor
12.		December	277	Poor

**3.1.1 Present levels of pollutants in air:** Reports of routine parameters, special parameters and air toxic relevant to the area in three categories- known carcinogens probable carcinogen and other toxic

A. Ambient Air Quality Monitoring for following parameters:

i. SO<sub>2</sub>, NO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> (for 24 hourly average monitoring values)

S. No	Parameters (24 hourly average monitoring values ) Residential (Sector -116, Noida )	Observed values	Standards
1.	PM 10	106	100
2.	PM 2.5	68	60
3.	NO <sub>2</sub>	18	80
4.	SO <sub>2</sub>	04	80

S. No	Parameters (24 hourly average monitoring values ) Commercial (RO Bulding , E-12/1,Sector-01 Noida )	Observed values	Standards
1.	PM 10	109	100
2.	PM 2.5	63	60
3.	NO <sub>2</sub>	23	80
4.	SO <sub>2</sub>	15	80

S. No	Parameters (24 hourly average monitoring values ) institutional (Amity university, Sector-125, Noida )	Observed values	Standards
1.	PM 10	116	100
2.	PM 2.5	63	60
3.	NO <sub>2</sub>	17	80
4.	SO <sub>2</sub>	17	80



### 3.2 Sources of air pollution viz industrial, domestic (coal an biomass burning), natural and transport and heavy earth movers

### 3.3 Air Polluting Industries in the area/ cluster

S. No	Number of Air Polluting industries	Coordinates		Distance and direction
		Latitude	Longitude	
1.	Cosmo Industries,C-44, Hosiery Complex, Noida	28.531655	77.407574	With in CEPI
2.	Dalip Enterprises, D-87, Hosiery Complex, Noida	28.531655	77.407574	With in CEPI
3.	Haldiram Snacks (P)Ltd., A-11, Sector-68, Noida	28.606855	77.391295	With in CEPI
4.	Haldiram Snacks (P)Ltd., C-3, Sector-67, Noida	28.606315	77.385555	With in CEPI
5.	Haldiram Snacks (P)Ltd., A-2-4, Sector-65, Noida	28.613791	77.384104	With in CEPI
6.	Haldiram Snacks (P)Ltd., B-1, Sector-63, Noida	28.626641	77.384803	With in CEPI
7.	J.P.C., B-4, Hosiery Complex, Noida	28.532262	77.400801	With in CEPI
8.	Parag Dairy, B-219, Phase-II, Noida	28.539011	77.406405	With in CEPI
9.	Pawan Processors, B-6, Hosiery Complex, Noida	28.531655	77.407574	With in CEPI
10	N.K. Dyeing C-170, Hosiery Complex, Noida	28.531655	77.407574	With in CEPI
11	S.S. Processors Pvt. Ltd. A-43, Sector-5, Noida, Gautambuddha Naga	28.64521	77.346697	With in CEPI
12	Samtex Desinz (Formerly- Nalini Silk Mills), Plot No.-A-36, Phase-II, Noida	28.530383	77.395494	With in CEPI
13	Sanidhya Engineers (P) Ltd., D-43, Hosiery Complex, Noida	28.531655	77.407574	With in CEPI
14	Satguru Processor, C-160, Hosiery Complex, Noida	28.531655	77.407574	With in CEPI
15	Sandeep Paper Mills (P) Ltd, A-20, Sector-6, Noida	28.518447	77.241465	With in CEPI
16	The Ganesh Hosiery Industries, F-67, Sector-11, Noida	28.531655	77.407574	With in CEPI
17	Karika India Pvt. Ltd B-126, Sector-5, Noida	28.531655	77.407574	With in CEPI
18	Super Fine Processors (P) Ltd., C-36, Sector-8, Noida	28.595051	77.328005	With in CEPI
19	Soni Dyeing C-190, Hosiery Complex, Noida	28.531655	77.407574	With in CEPI
20	Sham Dyers B-24, Sector-4, Noida	28.582694	77.323775	With in CEPI

### 3.4 Impact of activities of nearby area as the CEPI Area

Land use distribution (%) of nearby areas of CEPI and map

### 3.6Action plan for compliance and control of pollution

**Short Term Action Points (up to 1 year, including continuous activities)**

	<b>Action Points (Source and Mitigation)</b>	<b>Responsible Stake Holders</b>	<b>Time Limit</b>
2. a)	<p><b>Air Pollution Industrial:</b> A total air polluting industries have been identified in the region.</p> <p><b>Proposed Action Plan for effective control of Air Pollution:</b></p> <ul style="list-style-type: none"> <li>☑ Regular Monitoring of Pollution Control System in Industries in order to ensure strict compliance of prescribed Norms.</li> </ul>	UPPCB & Individual Industries.	Stack Monitoring of Large & Medium units every 06 months and once in a Year for SSI units. (By UPPCB & by individual Industries)
	<b>Action Points (Source and Mitigation)</b>	<b>Responsible Stake Holders</b>	<b>Time Limit</b>
	<p><b>AIR POLLUTION Industrial Pollution</b></p> <ul style="list-style-type: none"> <li>☑ Implementation of Cleaner Technology in order to reduce quantity of process and fugitive emissions and effective Operation &amp; maintenance of installed APCS. Implementation of cleaner technology / adoption of cleaner fuel, identification of industries to be done in time bound manner.</li> <li>☑ Switching over to cleaner fuel has been proposed as the best option to control Air Pollution in Industrial Areas. Some Industries have already switched to cleaner fuel technology. Technological intervention / switching over to cleaner fuel to be done in time bound manner.</li> <li>☑ To supply and promote the use of cleaner fuel like CNG, in order to reduce emissions in the industrial</li> </ul>	UPPCB and Individual industry	1 year
	<p><b>Introduction of Cleaner Fuel for Industrial Uses :</b> Currently industries are using Coal/ Petro Coke/Wood and FO/LDO/LSHS as a fuel which emits SPM and SO<sub>2</sub> and other Pollutants. If CNG is made available to industries the RSPM, SO<sub>2</sub></p>	Gas and Oil Companies	Gas & Oil Companies are in process of getting more and more industries on board and complete switch

	will be reduced and Ambient Air Quality will be improved. Board has given NOC to IGL for vehicles as well as industrial & domestic use. These companies need to expedite there distribution network for the same at the earliest.		from solid fuel to clean fuel will be done in a time bound Manner.
	<b>Clean fuel for vehicles:</b> At present CNG stations have been build to supply clean fuel. These stations have compression capacity Also, all commercial Phasing out of old diesel commercial vehicles is being done as per policy.	RTO & Gas Companies	01 year / As per plan submitted by Gas Agencies.
	<b>Installation of NAAMP Stations</b> At present manual AAQM Stations are operational but they need to be upgraded to monitor RSPM and PM <sub>2.5</sub> as per new AAQM Standard and also other parameters listed in new AAQM <input checked="" type="checkbox"/> continuous AAQM Stations need to be set up <input checked="" type="checkbox"/> Ambient Air Quality in critical Industrial Zones to be monitored manually once in every 02 months on 24 hours Basis by UPPCB.	UPPCB and CPCB	1 year
	<b>Display of AAQM data</b> On line display of AAQM data at two different locations in the area need to be under taken by Industries Association and UPPCB	UPPCB, CPCB Proposal to be made by UPPCB & sent to CPCB	1.5 Years
	<b>Use of Cleaner fuel</b> Time frame to be chalked out by RTO for conversion of all Commercial vehicles such as Auto, Bus & Vikram into CNG.	RTO in consultation with Gas Companies	01 Year
	<b>Development of Green Belt</b> should develop Green belt from 20% to 33% of the total area.	noida Authority	Ongoing

### 3.6.1 Existing infrastructure facilities- Ambient Air Quality Monitoring Network

Number of manual AQI monitoring station	Number of CAAQMS	Total Monitoring station
4	3	7

### 1.6.2 Pollution control measure installed by the individual sources of pollution

S. Nos	Pollution Sources		Category	APCS installed(Y/N)
1.	Cosmo Industries,	C-44, Hosiery Complex, Noida,	Dyeing	Installed
2	S.S. Processors Pvt. Ltd.	A-43, Sector-5, Noida	Dyeing	Installed
3	Samtex Desinz (Formerly Nalini Silk Mills),	A-36, Phase-2, Noida	Dyeing	Installed
4	N.K. Dyeing	C-170, Hosiery complex, Noida	Dyeing	Installed
5	Sandeep Paper Mills(P) Ltd,	A-20, Sector-6, Noida	Pulp and Paper	Installed
6	Satguru Processor,	C-160, Hosiery Complex, Noida	Dyeing	Installed
7	Soni Dyeing	C-190, HOsiery Complex, Noida	Dyeing	Installed

### 3.6.5 Impact on CEPI score after installation/ commissioning of full fledged air pollution control systems

S. Nos	CEPI score before APCS	CEPI score before APCS	Percent improvement
1.	Not available	68.76	NA

### 3.6.6 Managerial and financial aspects- cost and time estimates

#### 3.6.6.1 Cost and time estimates- Not available

#### 3.6.6.2 Identified private/ sector potential investors and their contribution/ obligations: None

### 3.6.6.3 Government budgetary support requirement

S. Nos	Amount of budget allocated to CEPI area	Remarks

# **Land Environment**

#### 4. **LAND ENVIRONMENT (Soil and ground water)**

##### 1.1 **Soil contamination**

4.1. 1. Present status of land environment supported with minimum one-year data

S. Nos	Cluster	Months(2019)	Present status	Condition
Data not available				

4.1.2. Critical locations for land/soil pollution assessment and ground water monitoring

S. Nos.	Locations identified	Coordinates	Distance and direction
		Latitude	Longitude
Data not available			

4.1.3. Present levels of pollutants in land / soil and ground water (routine parameters, special parameters and water toxics relevant to the area in three categories- non carcinogens, probable carcinogens and other toxics)

S. No	Parameters	Observed values	Standards
Data not available			

4.1.4. Pre dominant sources contributing to or posing danger of pollution of land and ground water such as hazardous/ toxic waste or chemical dumps/ storage etc.

S. No	Sources	Percent contribution	Main Pollutants
Data not available			

4.1.5. Sources of soil contamination

S. No	Sources	Coordinates	Distance and direction
		Latitude	Longitude
Data not available			

4.1.6. Types of existing pollution: Please provide details

4.1.7. Remedies for abatement, treatment and restoration of normal soil quality: Please provide details and treatment methods adopted

##### 4.2 **Ground water contamination**

4.2.1. **Present status /quality of ground water**

S. Nos	Cluster	Months	Present status	Condition
Present Data not available				

4.2.2. **Source identification (Existing sources of Ground water pollution)**

S. Nos.	Sources identified	Coordinates	Distance and direction
		Latitude	Longitude

#### 4.2.3. Ground water quality monitoring program

S. No's	Sampling Locations	Coordinates	Frequency	Parameters tested
1.	Rainy Well No-07 Noida Authority, Jal-1 Noida	-	in every 3 months	Colour, Odour, pH, T.H mg/l, Calcium mg/l, Magnesium mg/l, Chloride mg/l, T.D.S mg/l, Alkalinity mg/l, Metals

#### 4.2.4. Action plan for control of pollution including cost/ time aspects

##### Short Term Action Points (up to 1 year, including continuous activities)

	Action Points (Source and Mitigation)	Responsible Stake Holders	Time Limit	Remarks
a	<b>Land Pollution</b> Proper Storage & Disposal of Hazardous Waste & Solid Waste.	Individual Industry	To send waste every 03/04 months	Hazardous waste is disposed through TSDF and Noida Authority is treating solid waste/legacy waste at sector-145

##### Long Term Action Points (more than 1 year)

	Action Points (Source and Mitigation)	Responsible Stake Holders	Time Limit	Remarks
a	<b>Land Pollution</b> <b>Soil Testing</b> Soil testing of some large scale industry has been done and is being carried out every month. Soil testing for different metals like Pb, Cr, Cu, Fe etc. twice a year Through recognize laboratory.	UPPCB	01 Year	Land Pollution is not observed in Noida



**4.2.5. Treatment and management of contaminated ground water bodies etc:** Please provide details

**4.2.6. Impact on CEPI Score after abatement of pollution:**

S. Nos	CEPI score before	CEPI score after	Percent improvement
1.	Not available	68.76	Not available

### 4.3 Solid Waste Generation and Management

#### 4.3.1. WASTE CLASSIFICATION AND QUANTIFICATION

S. no.	Source	Category	Quantity
1.	Domestic	MSW	Approx 600 MTD
2.	Industrial	Hazardous/E-waste	Approx 1751.94 MTA/81.32 MTA
3.	Hospital	BMW	Approx 2000 Kg/day

#### 4.3.1.1. HAZARDOUS WASTE

S. no.	Source	Quantity
1.	Industries	Approx 1751.94 MTA
2.	Hospital	Approx 2000 Kg/day

#### 1. BIO-MEDICAL WASTE

S. no.	No. of CBWTF	Quantity	Authorization
1.	3	2000 Kg/day	Yes

#### 2. ELECTRONIC WASTE

S. no.	No. of Electronic waste treatment facility	Quantity	Authorization
1.	Elgreen Recycling, Pvt-Ltd, G-33, Sector-63, Noida.	100 MTA	Yes

#### 3. MUNICIPAL SOLID WASTE / DOMESTIC WASTE/ SLUDGE FROSTPS/ETPS/CETPS AND OTHER INDUSTRIAL SOURCES

S. No.	Type of Pollution Sources	% OF Waste Generated
1.	Municipal Solid Waste (domestic)	45-60

#### 4. PLASTIC WASTE

S. no.	No. of Plastic waste Processing facility	Quantity	Authorization
1.	Greentronics Traders C-98, Sector-4, Noida	450MT/MONTH	Yes
2.	UFLEX LTD,A-1, SECTOR-60,NOIDA	800MT/MONTH	Yes
3.			

#### 5. QUANTIFICATION OF WASTE AND RELATIVE CONTRIBUTION FROM DIFFERENT SOURCES

S.no.	Pollution source	Type of Wastes	Relative Contribution
NA			

#### 4.3.2. IDENTIFICATION OF WASTE MINIMIZATION AND WASTE EXCHANGE OPTIONS:

Please provide details if any

#### 4.3.3. REDUCTION/REUSE/ RECOVERY/ RECYCLE OPTIONS IN THE CO-PROCESSING OF WASTE:

Please provide details of co-processing options of waste

#### 4.3.4. INFRASTRUCTURE FACILITIES:

##### 4.3.4.1. Existing Tsd/Incineration Facilities Including Capacities

S.no.	Tsd/Incineration Facilities	Capacity	Location
1.	U.P waste management project (Ramky)	172	kanpur
2.	M/s Bharat oil and waste management Ltd. Kanpur dehat	965	kanpur

#### 4.3.4.2. Present Status / Performance and Need up Gradation of Existing Facilities Including Enhancement of Capacities: Please provide details

1. Treatment And Management Of Contaminated Waste Disposal Sites Etc: none

2. Impact On CEPI Score After Proper Management Of Solid Waste

S.no.	CEPI Score before management of solid waste	CEPI Score after management of solid waste	% Change
Data not available			

#### 5. PPP Model

5.1 Identification of projects proposals (for both the options i.e technology intervention and infrastructure renewal) for implementation under the PPP mode under the Action Plan

Please provide details of any PPP model based Action Plan taken into consideration for technology intervention and infrastructure renewal, if any.

60.2. Identification of Stockholders/agencies to be involved and to evolve financial managerial mechanism for implementation of PPP projects.

Please provide details Stockholders/agencies involved in financial managerial mechanism for implementation of PPP projects, if any.

**6. Other infrastructural Renewal measures:**

**6.1. Green belts**

S. Nos.	Green Belt Developed/ upcoming Green belts	Area	Direction
In progress			

**6.2. Development of Industrial Estate(s)**

S. Nos.	Development of Industrial Estates	Area	Direction

6.3. Development / shifting of industries located in the non industrial areas to the existing/new industrial estates.

S. Nos.	Shifting of Industrial Estates to non-Industrial areas	Area	Direction

**7. Specific Schemes:**

7.1. GIS-GPS System for pollution sources monitoring

Please provide details GIS-GPS System for pollution sources, if any.

S. Nos.	GIS-GPS System enabled Pollution sources	Remarks
NA		

7.2. Hydro- geological fracturing for water bodies' rejuvenation

Please provide details of Hydro- geological fracturing for water bodies' rejuvenation, if any.

7.3. In-situ remediation of sewage

S. Nos.	Pollution sources with in- situ remediation facility	Treatment method	Discharge
No facility available			

#### 7.4. Utilization of MSW inert by gas based brick kills

S. Nos.	Number of Brick kilns	Fuel
NA		

#### 7.5. Co- processing of wastes in cements industries

S. Nos.	Cement industries	Fuel
NA		

### 8. Public awareness and training programs

Please provide details of Public awareness and training programs held and organized within the CEPI areas and their impact.

#### 2. Overall impact on installation/commissioning of pollution control equipment/ measures on the CEPI score

S. Nos.	CEPI score before installation/commissioning of pollution control equipment/ measures	CEPI score after installation/commissioning of pollution control equipment/ measures	Percent change (%)
In progress			

#### 10. Assessment of techno-economic visibility pollution control system in clusters of small/medium scale industries

Please provide detailed assessment report.

#### 11. Efforts shall be made to encourage use of Bio-compost and Bio-fertilizers along with the chemical fertilizers in the state to minimize the unutilized chemical fertilizers runoff into the natural water resources from agriculture fields (through Govt. Policy)

Please ensure the implementation of above mentioned point

### 12. Summary of proposed action points

#### 12.1 Short Term Action Point (Upto one year, including continuous activities)

S.No.	Action Points (including source and mitigation measures )	Responsible Stack Holder	Time Limit
	<p><b>Water Pollution</b>  <b>Industrial Source</b> - Proposed Action Plan for effective control of Water Pollution:1  <input checked="" type="checkbox"/> Regular effluent sample collection and analysis of Pollution Control System in Large &amp; Medium &amp; Small Scale                      Polluting Industries to be done to ensure strict compliance of prescribed Norms</p>	UPPCB & Individual Industry	<p><b>Frequency</b>                      Large &amp; Medium Industries -<b>3 months</b>                      Small Scale Industries -<b>6 months</b>                      (By UPPCB)                      &amp; By Individual Industries as follows                      - L &amp; M - Every 3 Months.                      Small - Once a Year</p>

<p>☑ Installation of energy meter, on line PH meter, automatic chemical dosing system, on line flow measurement and installation of independent laboratory to monitor critical parameters like MLSS, SVI etc. and other inlet and outlet parameters of ETP for Large &amp; Medium Industries and industries situated.</p> <p>☑ Upgradation of ETP in existing water polluting units is to be done on case to case basis. Under the upgradation plan, suitable tertiary treatment methods are to be installed in a time bound manner in order to ensure that treated water is recycled / reused to the maximum extend.</p> <p>☑ <b>Upgradation of ETP's:</b> Conversion of conventional reduction treatment of electroplating waste water to Ion exchange method and its recycling in Large &amp; Medium sector units, Wherever existing ETP is not functioning properly. Prospective agents with expertise in this field shall be shortlisted in next 6 months.</p> <p>Also, small industries in the region currently using physico chemical treatment methods to treat their effluent shall be upgraded such as installation of dual media filter and Activated Carbon filter. Directions regarding installation of pH meter, automatic dosing and maintenance and proper running of ETPs have also been given in the District Level Committee held on 28/5/2012.</p>	<p>Individual Industries (Large and Medium) Individual Industries. UPPCB &amp; Individual Industries.</p>	<p>Ongoing Within 06 months. 06 Months</p>
<p><b>Groundwater Pollution</b></p> <p>☑ Regular monitoring of Over Head Tanks supplying drinking water in the region and Rainy wells is proposed to be done by Regional Laboratory of State Pollution Control Board</p> <p>☑ Also, intensive surveys will be done to ensure that practice of reverse boring is not prevalent in the region.</p>	<p>UPPCB and local Authority.</p>	<p>Ongoing</p>

	<p><b>Domestic Waste Water (Sewage)</b>  Domestic sewage contributes to about 80% of Water. The status of Sewage Pollution Control is as follows:  Effective operation &amp; maintenance of installed STP.  ☑ Combined Inspection of STPs by UPPCB and Jal Nigam  ☑ Upcoming High Rise Buildings, Commercial Project,  Educational Institution, Multi Plexes, Town ship &amp; Building  Projects are major source of sewage generation and Municipal Solid Waste.  Such projects must ensure setting up of STPs, recirculation of treated water for flushing/gardening regarding purpose &amp; ensure compliance of the conditions of the Environment  Clearance and NOC from PCB.</p>		<p>Ongoing</p> <p>Ongoing Process</p>
	<p><b>Air Pollution Industrial:</b>  A total of air polluting industries have been identified in the region.  <b>Proposed Action Plan for effective control of Air Pollution:</b>  ☑ Regular Monitoring of Pollution Control System in Industries  in order to ensure strict compliance of prescribed Norms.</p>	<p>UPPCB &amp; Individual Industries.</p>	<p>Stack Monitoring of Large &amp; Medium units every 06 months and once in a Year for SSI units. (By UPPCB &amp; by individual Industries)</p>
	<p><b>Illegal setup of Industrial activities</b>  Regular combined drives are to be carried out by Pollution control board and District Administration to identify and seal illegally operating industrial activities.   UPPCL to ensure that electric connection is not sanctioned in favour of such industries which are not in conforming area.</p>	<p>UPPCB and District Admn.   UPPCL and Udyog Bandhu</p>	<p>Combined drives every 2 months by UPPCB &amp; District Administration</p> <p>Within 01 month</p>

	<p><b>Monitoring of D.G Sets:</b></p> <p>☑ Inventorisation of Old D.G. Sets in Industrial clusters and Commercial set ups including Multiplexes / Shopping Malls/ Educational Institution within or near industrial areas to be done by UPPCB.</p> <p>☑ Post inventorisation remedial action with respect to air and noise pollution from likely sources shall be taken against defaulters</p> <p>☑ Installation of Acoustic Enclosure with adequate stack height in Old D G Sets to be ensured.</p>	UPPCB	06 Months. Ongoing  9 months
	<p><b>Noise Monitoring</b></p> <p>Board is procuring real time noise monitoring system. This will be installed in Commercial, Residential, Industrial and Sensitive Zones of the Region.</p>	UPPCB	Ongoing
	<p><b>Land Pollution</b></p> <p><b>Proper Storage &amp; Disposal of Hazardous Waste &amp; Solid Waste</b></p> <p>The status of Hazardous Waste Disposal are as follows:</p>	Individual Industry  UPPCB	To send waste every 03/04 months to TSDF  To monitor individual industries Every six months.
	<p><b>Bio-Medical Waste Disposal</b></p> <p>member of authorized Common BMW Treatment Facilities Regular Inspection and monitoring of Hospitals / Nursing Homes has to be done</p>	Regional Office, UPPCB	Inspection of Big Hospitals Every 03 months & Small Hospitals every 06 Months by UPPCB.

### 12.2 Long Term Action Points (More than 1 year)

S.No.	Action Points (including source and mitigation measures )	Responsible Stack Holder	Time Limit
	<p><b>Water Pollution</b></p> <p><b>Industrial Pollution</b></p> <p>☑ Adoption of Cleaner Technology if available, in order to reduce quantity of waste water. Promote recycle after treatment for sector like Paper, Tannery.</p> <p>☑ Strategies regarding cleaner technologies in Paper industries are to be conducted in a time bound manner. In the Waste Paper based units, stress is being laid for</p>	Individual Industries UPPCB & Individual Industries	Within 01 Years. (By Industries)

	setting up of tertiary treatment facilities in order to ensure maximum recycling of treated waste water. Also recycling of the process water is being done as part of cleaner technologies.		
	<p><b>Domestic Waste Water (Sewage)</b> At present, .....STPs are functional as follows :</p> <p>Widening and Covering of major open Nalas carrying domestic sewage</p>	UPPCB and Authority	Ongoing
	<p><b>Groundwater Pollution :</b> Ground water study may be carried out in all the 6 Industrial Clusters by Out Sourcing Agencies every 06 months.</p>	UPPCB & Designated Agencies.	
	<p><b>AIR POLLUTION</b> <b>Industrial Pollution</b>  <input checked="" type="checkbox"/> Implementation of Cleaner Technology in order to reduce quantity of process and fugitive emissions and effective operation &amp; maintenance of installed APCS. Implementation of cleaner technology / adoption of cleaner fuel, identification of industries to be done in time bound manner.  <input checked="" type="checkbox"/> Switching over to cleaner fuel has been proposed as the best option to control Air Pollution in Industrial Areas. Some industries have already switched to cleaner fuel technology. Technological intervention / switching over to cleaner fuel to be done in time bound manner.  <input checked="" type="checkbox"/> To supply and promote the use of cleaner fuel like CNG, in order to reduce emissions in the industrial</p>	UPPCB and Individual industry Individual industry, UPPCB	
	<p><b>Introduction of Cleaner Fuel for Industrial Uses :</b> Currently industries are using Coal/ Petro Coke/Wood and FO/LDO/LSHS as a fuel which emits SPM and SO<sub>2</sub> and other Pollutants. If CNG is made available to industries the RSPM, SO<sub>2</sub> will be reduced and Ambient Air Quality</p>	Gas and Oil Companies	Gas & Oil Companies are in process of getting more and more industries on board and complete switch from solid fuel



	will be improved. Board has given NOC to IGL & Adani Group to provide CNG in Noida for vehicles as well as industrial & domestic use. These companies need to expedite there distribution network for the same at the earliest.		to clean fuel will be done in a time bound manner.
	<b>Clean fuel for vehicles:</b> At present 16 CNG stations have been build to supply clean fuel. These stations have compression capacity. Also, all commercial three wheelers buses being registered using CNG only. Phasing out of old diesel commercial vehicles is being done as per policy.	RTO & Gas Companies	01 year / As per plan submitted by Gas Agencies.
	<b>Installation of NAAMP Stations</b>	UPPCB and CPCB	
	<b>Display of AAQM data</b> On line display of AAQM data at two different locations in the area need to be under taken by Industries Association and UPPCB	UPPCB, CPCB Proposal to be made by UPPCB & sent to CPCB	1.5 Years
	<b>Use of Cleaner fuel</b> Time frame to be chalked out by RTO for conversion of all commercial vehicles such as Auto, Bus & Vikram into CNG.	RTO in consultation with Gas Companies	01 Year
	<b>Development of Green Belt</b> develop green belt from 20% to 33% of the total area.		Ongoing
	<b>Land Pollution Soil Testing</b> Soil testing of some large scale industry has been done and is being carried out every month. Soil testing in all 3 industrial clusters of Noida is proposed to be done for different metals like Pb, Cr, Cu, Fe etc. twice a year through recognise laboratory.	UPPCB	01 Year
	<b>Study of impact on Human Health of Water &amp; Air Pollutants</b>	IITR (Earlier ITRC) / Any other designated Agency	
	<b>Municipal solid waste Disposal</b> At present Municipal solid waste is disposed as landfill in low lying areas. Authority should develop	Project proponent to give compliance report to UPPCB.	Every 3 months

<p>proper MSW facility as per MSW Rules at Proper site.  Quantification of MSW  ☑ Site selection for MSW disposal  ☑ Strategy for implementation / setting up of integrated facility for MSW to be decided in consultation with local civic authority and implemetaion to be done in time bound manner.  ☑ Upcoming High Rise Buildings, Commercial Project, Educational Institution, Multi Plexes, Town ship &amp; Building Projects are major source of Municipal Solid Waste  ☑ Such projects must ensure setting up of in house MSW disposal facilities as per MSW Rules &amp; ensure compliance of the conditions of the Environment Clearance and NOC from PCB</p>		
<p><b>Committee Update</b>  As per directions from Ministry of Environment and Forest, Government of India shortlisting of Senior citizen candidate and a representative of a NGO to be included in the State Level Monitoring Committee has been done and nomination work is in progress.</p>	<p>UPPCB and District Administration</p>	

