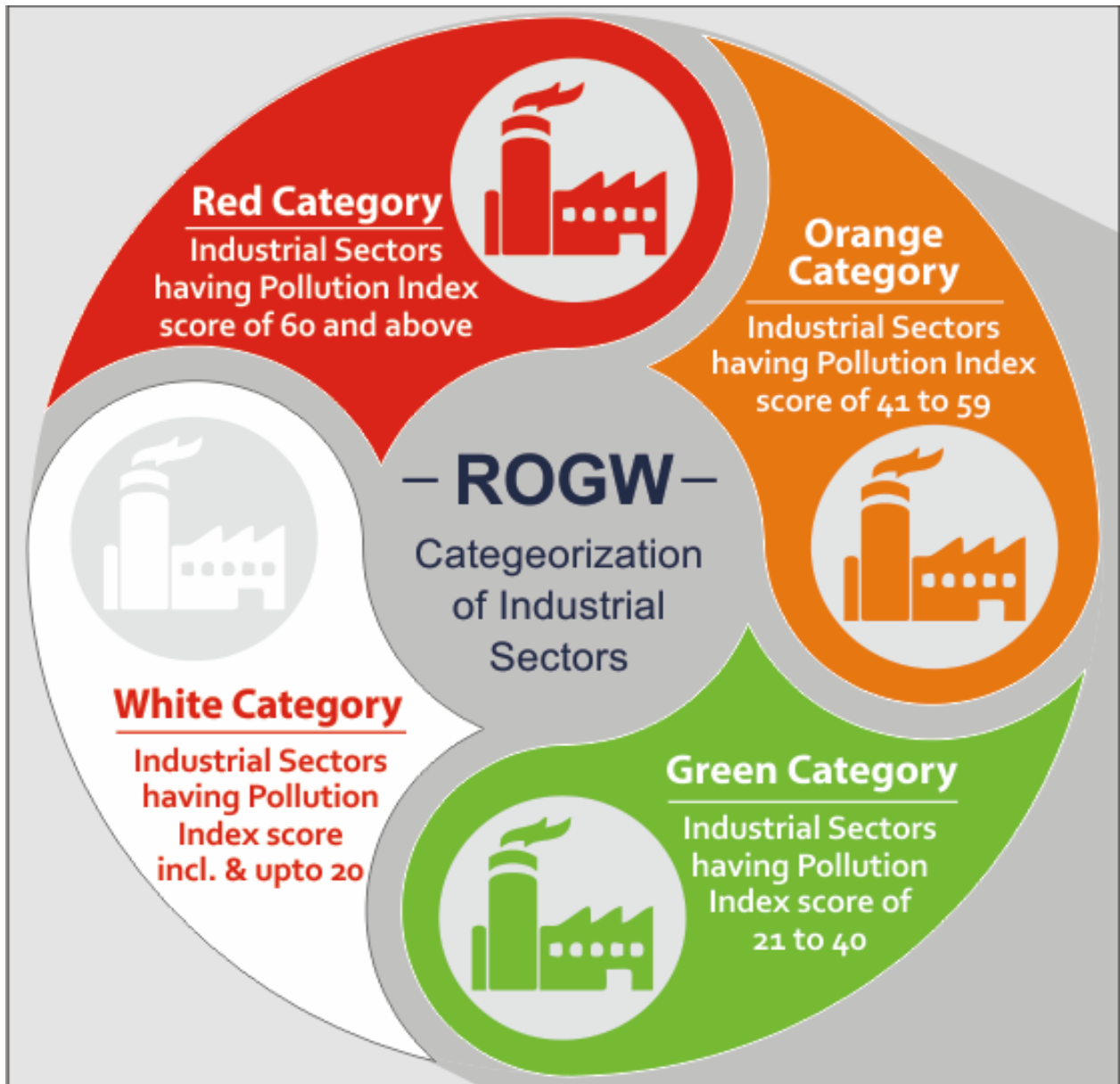


# Environmental Management Plan for Critically/Severely Polluted Area Moradabad



**Uttar Pradesh Pollution Control Board**

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

### **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 numbers went upto 100 in whole country, These clusters as may referred to order issued by Hon'ble National Green Tribunal for Original Application No. 1038/2018 dated 10.07.2019.

The industrial clusters/areas having aggregated CEPI scores of 70 and above were considered critically polluted clusters/areas and those with scores less than 70 and more than 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)

#### **NGT Direction:**

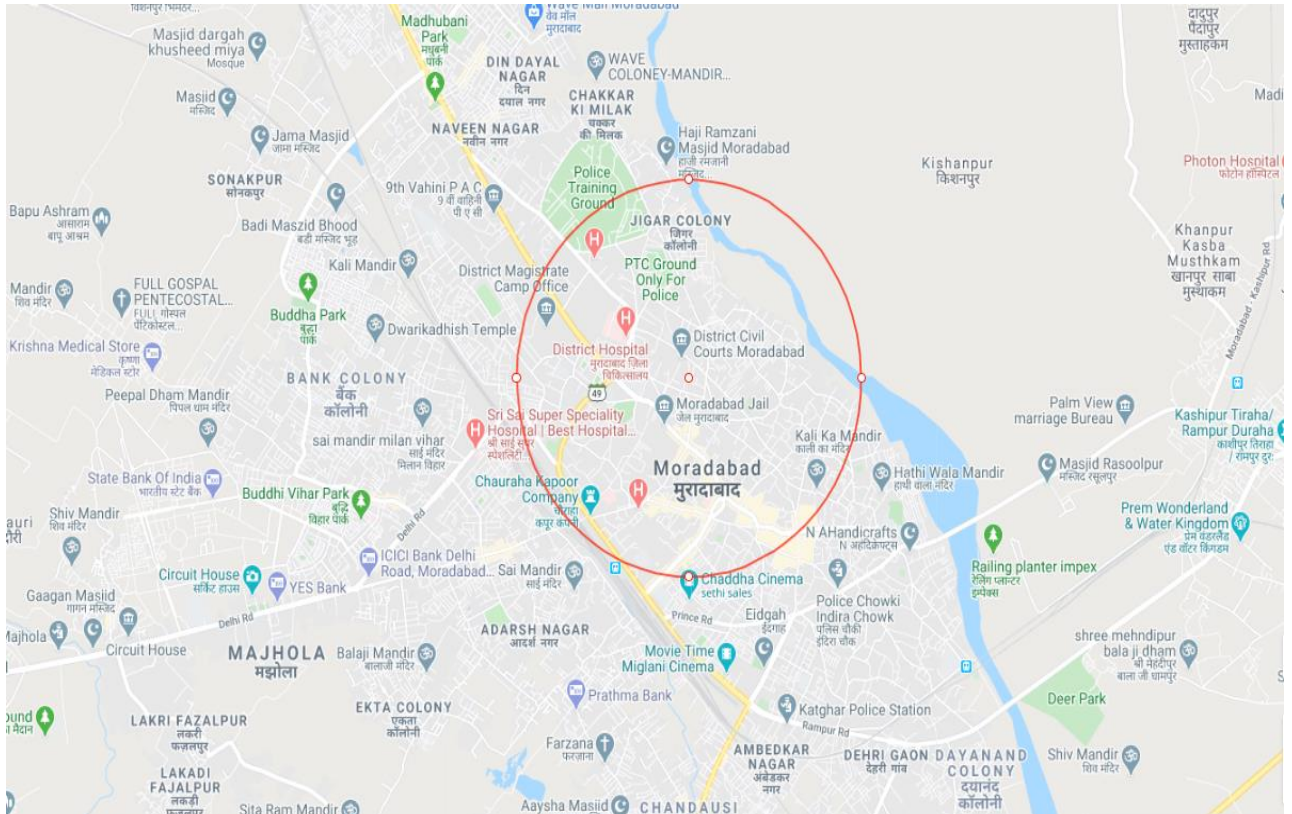
The Hon'ble NGT vide it's latest order dated 14.11.2019, has directed the Pollution Control Boards / Pollution Control Committees (PCBs/PCCs) to finalize time bound action plan to bring all the Polluted Industrial Areas (PIAs) within safe parameters as per the Air Act, the Water Act and the E.P. Act.

In compliance to Hon'ble NGT order Dated 23.08.2019, a mechanism has been issued by Ministry of Environment, Forest & Climate Change Govt. of India for environmental

management of Critically/ Severely polluted area enclosed with CPCB letter Dated 25.10.2019 .

## 1.1 AREA DETAILS

As per the CEPI assessment, following areas have been identified as Critically polluted area Moradabad.

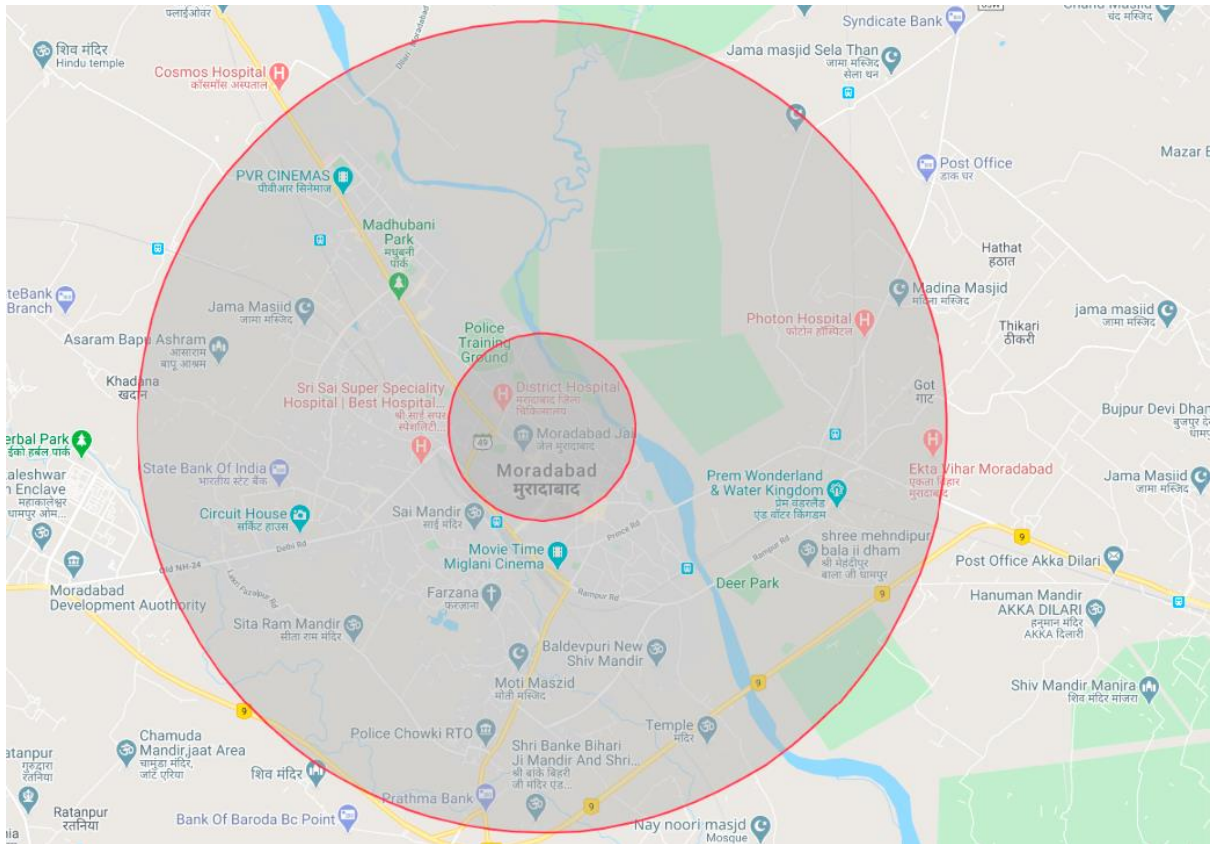


## 1.2 LOCATION

The coordinates of the cluster boundary are as follows:

Direction	Latitude	Longitude	Location
East	28.844936	78.787811	Ram Ganga River, Dewan Bazar
West	28.845716	78.756086	Civil Lines
North	28.858526	78.771735	Chakar Ki Milak
South	28.831987	78.771350	Kothiwal Nagar

### 1.3 Digitized map showing geographical boundaries and Impact Zones



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

<b>Air</b>	-	76.0
<b>Water</b>	-	71.5
<b>Land</b>	-	68.75
<b>Total average</b>	-	87.80

#### 1.5 Baseline Status Of Sensitive Receptors:

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	313310	672612	149	60	407	210	01	0	2	0

**1.6 Eco-Geological Features:** There are no declared Eco-Geological features within the Study area.

#### 1.6.1 Major water bodies : Ramganaga River and Gagan River

S. No	Rivers		Lakes		Ponds	
	Within Cluster	Impact Zone	Within Cluster	Impact Zone	Within Cluster	Impact Zone
1	01	01	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	NA	Nil	NA

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

S. Nos.	List of Buildings or Monuments of historical/archaeological/religious importances	Number	Distance and direction
1	NA	---	---

### 1.7 Industry classification:

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	0	0	0
TOTAL	0	0	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	00	00	00
MEDIUM	00	00	00
SMALL	78	78	00
TOTAL	78	78	00

### 1.7.3 Orange Category Industries

SCALE OF INDUSTRIES	HIGHLY POLLUTING INDUSTRIES		
	AIR	WATER	NO. OF E-WASTE/ HAZARDOUS WASTE GENERATING INDUSTRIES
LARGE	0	0	0
MEDIUM	0	0	0
SMALL	183	6	1
TOTAL	183	6	1

### 1.7.4 Green Category Industries

Scale Of Industries	Number of Industries		
	Air	Water	No. Of E-Waste/Hazardous Waste Generating Industries
Large	0	0	0
Medium	0	0	0
Small	6	6	0
Total	6	6	0

## 2.0 Water Environment

### 2.1 Present Status of Water Environment Supported with Minimum One-Year Analytical Data

#### (A) Ram Ganga at Katghar, Moradabad

S. No	Parameters	Observed values	Standards				
			Cat. A	Cat. B	Cat. C	Cat. D	Cat. E
1	Color (Hazen)	11 - 65	10	300	300	--	--
2	pH	7.1 - 8.4	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5
3	DO(mg/l)	1 - 8.3	6	5	4	--	--
4	BOD(mg/l)	5 - 16	2	3	3	--	--
5	Total Coli form(MPN/100 ml)	50000 - 9200000	50	500	5000	--	--

**(B) Gagan River-Delhi Road Bridge, Lakrifazalpur , Moradabad**

S. No	Parameters	Observed values	Standards				
			Cat. A	Cat. B	Cat. C	Cat. D	Cat. E
1	Color (Hazen)	6 - 24	10	300	300	--	--
2	pH	6.8 - 8.2	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5
3	DO(mg/l)	0.2 - 8.9	6	5	4	--	--
4	BOD(mg/l)	1.4 - 11	2	3	3	--	--
5	Total Coli form(MPN/100 ml)	9000 - 2200000	50	500	5000	--	--

**NOTE - Standards for surface water are categorized as follows:**

- **Cat. A- Drinking without conventional treatment but after disinfecting.**
- **Cat. B- Outdoor bathing**
- **Cat. C- Drinking with conventional treatment followed by disinfection**
- **Cat. D- Fisheries**
- **Cat. E- Irrigation, industrial cooling ,controlled waste disposal**

**2.2 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	Ram Ganga River	21	108
2	Gagan River	03	35



**2.3 Present Levels Of Pollutants In Water Bodies/Effluent Receiving Drains/Ground Water  
General Parameters – Ram Ganga at Katghar, Moradabad**

S. No	Parameters	Observed values (January 2020)	Standards				
			Cat. A	Cat. B	Cat. C	Cat. D	Cat. E
1	Color(Hazen)	50	10	300	300	--	--
2	pH	7.7	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5
3	TSS(mg/l)	36.0	--	--	--	--	--
4	TDS(mg/l)	640	500	--	1500	--	1200
5	BOD(mg/l)	12	2	3	3	--	--
6	COD(mg/l)	44	--	--	--	--	--

**(B) Heavy Metals- Ram Ganga at Katghar, Moradabad**

S. No	Parameters	Observed values (January 2020)	Standards				
			Cat. A	Cat. B	Cat. C	Cat. D	Cat. E
1	Copper(mg/l)	0.097	1.5	--	1.5	--	--
2	Iron(mg/l)	1.316	0.3	--	50	--	--
3	Nickel(mg/l)	0.085	0.02	--	--	--	--
4	Zinc(mg/l)	0.186	15	--	15	--	--

**NOTE - Standards for surface water are categorized as follows:**

- **Cat. A- Drinking without conventional treatment but after disinfecting.**
- **Cat. B- Outdoor bathing**
- **Cat. C- Drinking with conventional treatment followed by disinfection**
- **Cat. D- Fisheries**
- **Cat. E- Irrigation, industrial cooling ,controlled waste disposal**

#### 2.4 Predominant Sources Contributing To Various Pollutants

<b>S.NO.</b>	<b>Sources</b>	<b>Effluent discharge</b>	<b>Major Pollutants</b>
<b>1</b>	<b>Municipal Sewerage water</b>	<b>143 MLD</b>	<b>BOD,COD,TSS, TC,TFC, etc.</b>
<b>2</b>	<b>Industrial</b>	<b>0.530 MLD</b>	<b>BOD,COD,TSS,Heavy Metals etc.</b>

## 2.5 Sources of Water Pollution

### 2.5.1 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		Total Effluent Discharge (MLD)
		Metal Surface Treatment	Total	
1.	5 no. of Drains	78	78	0.530

## 2.5.2 Domestic Pollution Sources

### a) Details of Drains

### Summary of Drains

S No.	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.	14	Zone-1	03	10	1	15	43	58	58
2.	05	Zone-2	-	05	0	0	25	25	25
3.	02	Zone-3	-	02	0	0	25	25	25
4.	03	Zone-4	-	03	0	0	35	35	35

**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.	Zone-1	28.821385	78.793487	58 MLD	15 MLD	26%	U.P. Jal Nigam	Katghar Drain
2.	Zone-2	Proposed		25 MLD	0	0	--	
3.	Zone-3	Proposed		25 MLD	0	0	--	
4.	Zone-4	Proposed		35 MLD	0	0	--	

### **DETAILS OF CETPs**

No CETP is Installed within the cluster/impact zone

S.No.	District	Name of CETP	Location		Installed Capacity (MLD)	Utilized Capacity (MLD)	Operating Govt. Agency/SPV	Discharge Drain
			Latitude	Longitude				
1.	Moradabad	—	—	—	—	—	—	

#### 2.5.3 **Others Sources** (Agricultural Runoff, Leachate from MSW Dump, Illegal Dump Sites etc.):

At present there is no leachate treatment plant installed for the treatment of leachate generating from MSW dump site. However, it is proposed to install one leachate treatment plant of capacity at Trenching ground Gulab Badi Moradabad.

#### 2.6 **Impact on Surrounding Area (Outside the PIAs):**

Untreated sewerage will have impact outside the PIA.

## 2.7 Details of Water Polluting Industries in the Area/ Cluster

S. No	Name & Address of Industry	Type	Location		Treatment Mechanism (ETP/CETP)	Effluent Discharge (KLD)	Name of Drain	Consent Status upto
			Latitude of Industry	Longitude of Industry				
1	2	3	4	5	6	7	8	9
1	A toZ Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°50'15.90"	78°44'45.21"	ETP	5.0	-	31-12-2021
2	A.C. Brothers Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'30.29"	78°43'18.96"	ETP	10.0	-	31-12-2020
3	Akanksha International Lakri Fazalpur, Delhi Road , Moradabad	Metal Surface Treatment	28°49'26.99"	78°26'36.99"	ETP	5.0	-	31-12-2023
4	Asian Handicraft, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'57.09"	78°47'23.67"	ETP	4.5	Prabhat Nagar Drain	Under Process
5	Bansal Impex, Rampur Road, Moradabad	Metal Surface Treatment	28°49'15.76"	78°47'31.78"	ETP	5.0	Katghar Railway Station Drian	31-12-2024
6	Bhatia Silver Wares, Behind Akansha Automobiles, Delhi Road	Metal Surface Treatment	28°49'36.67"	78°43'28.21"	ETP	5.0	-	Under Process
7	Brasage, Minibypass, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'05.93"	78°44'09.21"	ETP	5.0	-	31-12-2023

8	Brassco International, Katghar, Moradabad	Metal Surface Treatment	28°49'20.25"	78°46'23.64"	ETP	2.0	Katghar Railway Station Drian	31-12-2023
9	Dapper Exports, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'04.03"	78°44'06.49"	ETP	3.0	-	31-12-2023
10	Decorative Crafts, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	28°49'00.91"	78°43'53.52"	ETP	5.0	-	31-12-2023
11	Deepak Corporation, Delhi Road,, Moradabad	Metal Surface Treatment	28°49'32.70"	78°43'35.87"	ETP	5.0	-	Under Process
12	Dewan Sons Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'32.40"	78°43'14.04"	ETP	20.0	-	31-12-2024
13	Designco, Lakrifazalpur, Delhi Road	Metal Surface Treatment	28°49'31.20"	78°43'14.79"	ETP	15.0	-	31-12-2023
14	Dynamic Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'10.33"	78°43'27.90"	ETP	15.0	-	31-12-2023
15	GLOBE EXPORT CORPORATION Delhi Road, Moradabad	Metal Surface Treatment	28°82'55.47"	78°72'49.89"	ETP	2.0	Vivekanand Hospital Drain (Left)	31-12-2023
16	East Coast Industries, Pandit Nagla, Moradabad	Metal Surface Treatment	28°48'17.49"	78°46'38.88"	ETP	5.0	Karula Drain	31-12-2023
17	Ellen Export, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'16.25"	78°43'29.57"	ETP	5.0	-	31-12-2023



18	Exotic India, Delhi Road , Moradabad	Metal Surface Treatment	28°49'42.36"	78°44'03.24"	ETP	5.0	-	31-12-2023
19	Fantasy Export, Delhi Road, Moradabad	Metal Surface Treatment	28°49'42.68"	78°44'02.65"	ETP	5.0	-	31-12-2024
20	Garg Sons Exports, Rampur Road, Moradabad	Metal Surface Treatment	28°49'16.52"	78°47'04.62"	ETP	5.0	Prabhat Nagar Drain	31-12-2021
21	Globe Artware Impex Pvt. Ltd., Niryat Nagar, Delhi Road , Moradabad	Metal Surface Treatment	28°49'37.26"	78°43'54.98"	ETP	5.0	-	Under Process
22	Goyal India, Delhi Road, Moradabad	Metal Surface Treatment	28°49'40.51"	78°43'41.97"	ETP	12.0	-	31-12-2021
23	Gyaneshwar Saran & Sons, Delhi Road, Moradabad	Metal Surface Treatment	28°49'40.17"	78°43'37.70"	ETP	10.0	-	31-12-2020
24	Hansa Agencies P Ltd., Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'21.91"	78°43'25.91"	ETP	20.0	-	Under Process
25	Samlan International, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°50'10.83"	78°45'58.02"	ETP	5.0	-	Under Process
26	Horizon Impex unit-1 Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'21.72"	78°43'22.92"	ETP	5.0	-	31-12-2023
27	Highlands Export, Delhi Road, Moradabad	Metal Surface Treatment	28°49'30.57"	78°42'14.14"	ETP	10.0	-	31-12-2023
28	Impression India Export,Lakri Fazalpur mini by pass, Moradabad	Metal Surface Treatment	28°49'15.78"	78°43'50.84"	ETP	2.0	-	31-12-2020

29	International Link, Harthala, Moradabad	Metal Surface Treatment	28°52'35.12"	78°44'14.42"	ETP	5.0	Vivekanand Hospital Drain (Right)	31-12-2023
30	Interseas Traders, Delhi Road, Moradabad	Metal Surface Treatment	28°49'47.89"	78°44'20.78"	ETP	3.0	-	Under Process
31	J.O. Exports, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'44.90"	78°47'16.85"	ETP	5.0	Prabhat Nagar Drain	31-12-2024
32	Jade Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'32.69"	78°43'35.86"	ETP	5.0	-	Under Process
33	Kishori Ji Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'57.22"	78°44'39.75"	ETP	8.0	-	31-12-2024
34	Kohinoor Craft, Sambhal Road, Moradabad	Metal Surface Treatment	28°50'12.53"	78°46'45.73"	ETP	5.0	-	Under Process
35	Kumar International, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'19.72"	78°43'28.83"	ETP	5.0	-	31-12-2024
36	Degignco Unit-4 Lakri fazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°82'33.80"	78°72'33.25"	ETP	5.0	-	31-12-2023
37	Designco Unit-3 (Lohia Brass Pvt.Ltd.) Lakri Fazalpur, Mini By Pass	Metal Surface Treatment	28°49'32.88"	78°43'14.61"	ETP	10.0	-	31-12-2023
38	Mahesh Chandra & Brothers, Delhi Road , Moradabad	Metal Surface Treatment	28°49'55.80"	78°44'37.80"	ETP	2.0	-	31-12-2019
39	Marque Impex, Sambhal Road, Moradabad	Metal Surface Treatment	28°49'59.68"	78°46'02.20"	ETP	5.0	-	Under Process

40	Meba Brass, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'19.42"	78°46'09.19"	ETP	3.0	-	31-12-2023
41	Mehrotra Impex , Niryat Nagar, Moradabad	Metal Surface Treatment	28°49'34.83"	78°43'51.40"	ETP	5.0	-	31-12-2023
42	MH Export, Sambhal Road, Moradabad	Metal Surface Treatment	28°48'11.86"	78°45'59.49"	ETP	5.0	-	31-12-2022
43	Nodi Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'55.40"	78°44'07.33"	ETP	5.0	-	31-12-2023
44	Object D Art India, Rampur Road, Moradabad	Metal Surface Treatment	28°49'16.81"	78°47'01.54"	ETP	10.0	Prabhat Nagar Drain	31-12-2021
45	Paragon Metal Industries, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'16.56"	78°43'36.51"	ETP	10.0	-	31-12-2019
46	Parkland Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'07.93"	78°43'56.90"	ETP	5.0	-	31-12-2023
47	Parth Overseas, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'34.34"	78°43'37.81"	ETP	5.0	-	31-12-2023
48	Quality Products of India, Delhi Road, Moradabad	Metal Surface Treatment	28°49'41.71"	78°43'38.64"	ETP	7.5	-	Under Process
49	Ganaga Handi craft, Zero Point, Delhi Road , Moradabad	Metal Surface Treatment	28°49'66.85"	78°49'44.05"	ETP	5.0	-	Under Process
50	R.S. Exports, Rampur Road, Moradabad	Metal Surface Treatment	28°49'14.39"	78°47'04.03"	ETP	5.0	Prabhat Nagar Drain	Under Process

51	Rajan Oversease, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	28°49'02.78"	78°50'10.61"	ETP	10.0	-	31-12-2020
52	Rashid Exports, Pandit Nagla By Pass,, Moradabad	Metal Surface Treatment	28°48'20.72"	78°46'12.09"	ETP	5.0	Karula Drain	31-12-2023
53	Sainik Enterprises, Khushalpur Road, Moradabad	Metal Surface Treatment	28°50'04.15"	78°44'57.68"	ETP	5.0	-	31-12-2020
54	Saurabh Sagar Builder & Developers Pvt. Ltd., Moradabad	Metal Surface Treatment	28°49'09.03"	78°38'15.77"	ETP	5.0	-	31-12-2020
55	Shri Krishna Impex, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'19.20"	78°43'29.88"	ETP	5.0	-	31-12-2020
56	Shri Nathji Export, Opposite Hotel Park Square, Delhi Road	Metal Surface Treatment	28°49'59.88"	78°44'47.34"	ETP	5.0	-	31-12-2023
57	Kishoriji Exim Pvt. Ltd., Niryat Nagar, Delhi Road, Moradabad	Metal Surface Treatment	28°49'38.28"	78°43'55.90"	ETP	5.0	-	31-12-2020
58	Stalwart Trendz, Delhi Road, Moradabad	Metal Surface Treatment	28°49'45.12"	78°44'00.18"	ETP	5.0	-	31-12-2023
59	STALWART HOMESTYLES, LAKRI FAZALPUR TIRAHA, RTO OFFICE ROAD, MINI BYPASS, DELHI ROAD, TEHSIL AND DISTRICT-MORADABAD, U.P.	Metal Surface Treatment	28°79'.73.61"	78°78'06.49"	ETP	5.0	Prabhat Nagar Drain	Under Process
60	Universal Arc Enterprises, Rampur Road, Moradabad	Metal Surface Treatment	28°50'01.79"	78°49'56.46"	ETP	3.0	-	31-12-2024
61	Usha Exports, Lakri Fazalpur Mini By Pass, Moradabad	Metal Surface Treatment	28°49'27.60"	78°43'17.11"	ETP	10.0	-	31-12-2024

62	Vallabh Metal Ink, Delhi Road, Moradabad	Metal Surface Treatment	28°49'15.45"	78°43'30.77"	ETP	15.0	-	Under Process
63	Venus India, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'41.68"	78°43'43.77"	ETP	3.0	-	Under Process
64	Zakaria Shahid & Sons, Sambhal Road, Moradabad	Metal Surface Treatment	28°47'51.47"	78°45'47.89"	ETP	13.0	-	31-12-2022
65	UNRIVALED DESIGN GROUP Lane No-2, Behind Hotel Drive IN 24, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Metal Surface Treatment			ETP	5.0		31-12-2024
66	RR OVERSEAS, Gata No-1117, 1119, 1125, LakriFazalpur, Niryat Nagar, Opposite Circuit Hous, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment			ETP	10.0		31-12-2023
67	M R IMPEX Khasra No-1681, 1692, 1693, 1694, 1695, 196, Village-LakriFazalpur, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment			ETP	10.0		Under Process
68	QUALITY EXPORTS, LakriFazalpur, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment			ETP	10.0		Under Process
69	GLOBE METAL AND GLASS EXPORTS, 5th K.M. Stone, LakriFazalpur, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Metal Surface Treatment	28°82'51.47"	78°72'47.89"	ETP	10.0		31-12-2023

70	GODGIFT INTERNATIONAL, MAUJA BASANTPUR RAMRAI, RAMPUR ROAD, MORADABAD	Metal Surface Treatment			ETP	10.0		Under Process
71	DESIGN CRAFT INDUSTRIES, Delhi Road, Opp. Hotel Rahi, Moradabad,MORADABAD,244001	Metal Surface Treatment			ETP	5.0		Under Process
72	MARQUE IMPEX UNIT II, Khasra No-171, Mohammadpur Bastaur,Opposite Village Noorpur, Chandausi Road, Tehsil-Bilari,District-Moradabad, U.P.	Metal Surface Treatment			ETP	25.0		Under Process
73	Siddhi Handicrafts, Lakrifazalpur, Moradabad,244001	Metal Surface Treatment			ETP	2.0		Under Process
74	HUSSNAIN INTERNATIONAL INDIA EXP, Rampur Road, Near Dear Park, Tehsil-Sadar,District- Moradabad, U.P., 244001	Metal Surface Treatment			ETP	5.0		Under Process
75	KANHYA LAL NIRMAL KUMAR TRADERS PVT LTD, Niryatnagar, Delhi Road MORADABAD, 244001	Metal Surface Treatment			ETP	5.0	-	31-12- 2023
76	SHRI KRISHNA BOARD MILLS,VILLAGE-LAKRI FAZALPUR, MINI BYPASS, DELHI ROAD,TEHSIL AND DISTRICT-MORADABAD, U.P. 244001,	Board Mill			ETP	0.0	-	Under Process

77	CATLARRY EXPORTS, BEHIND RELIANCE PUMP, LAKRI FAZALPUR, DELHI ROAD, TEHSIL AND DISTRICT-MORADABAD, U.P. 244001	Metal Surface Treatment			ETP	10.0	-	Under Process
78	VALLABH METAL INC UNIT 2, KHASRA NO-3339/8A etc. VILLAGE-LAKRI FAZALPUR, DELHI ROAD, NEAR HINDUSTAN PRESS, MORADABAD, U.P. 244001	Metal Surface Treatment			ETP	5.0	-	Under Process

## 2.8 Effluent Disposal Methods-

Treated Effluent is being discharged in drains which ultimately meet into River Ramganga.

## 2.9 Quantification Of Wastewater Pollution Load And Relative Contribution By Different Sources :

### a) Industrial:

S.No.	Drain	Type of Industry		Total Effluent Discharge (MLD)	Pollution load (BOD in kg/day)
		Metal Surface Treatment	Total		
1.	5 no. of drains	78	78	0.530	5300

Note: BOD of treated industrial effluent is taken as an avg.—10 mg/l



**b) Domestic:**

S No.	No. of Drains	Type of Drains			Status of Drains			Industries		Sewage Discharge (MLD)			Pollution load (BOD in kg/day)
		Domes tic	Industr ial	Mixed	Tapp ed	Unta pped	Partial ly Tappe d	Numb er	Treate d Effluen t (MLD)	Trea ted	Untre ated	Total	
1.	24	17	0	7	03	20	01	78	0.530	15	128	143	19955300

**Note:-** Basis of BOD Load calculation has been considered as follows:

1. BOD of treated industrial effluent is taken as avg. - 10 mg/l
2. BOD of partially treated sewerage is taken as avg. - 50 mg/l
3. BOD of untreated sewerage is taken as avg. - 150 mg/l

## 2.10 Action Plan for Compliance and Control of Pollution

### 2.10.1 Short Term Action Points (upto 1 year, including continuous activities)

Short Term Action Points (upto 1 year, including continuous activities)			
Sr. No.	Action Points	Timeline	Responsible Agencies/ Stake Holders
2.10.1 a)	<p><b>Water Pollution</b></p> <ul style="list-style-type: none"> <li><b>Industrial Source</b> - Proposed Action Plan for effective control of Water Pollution: Regular effluent sample collection and analysis of Pollution Control System in Red, Orange &amp; Green category Industries to be done to ensure strict compliance of prescribed effluent norms.</li> </ul>	<p><b>Frequency</b>                      Red category- <b>3 months</b>                      Orange category -<b>6 months</b>                      Green category -<b>12 months</b> (By UPPCB) &amp; By Individual Industries as follows</p>	UPPCB Individual Industry
	<ul style="list-style-type: none"> <li>Installation of energy meter, on line pH meter, automatic chemical dosing system, on line effluent quality &amp; flow measurement (OCEMS) 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</li> </ul>	Ongoing	Individual Industries (Large and Medium)
	<ul style="list-style-type: none"> <li>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.</li> </ul>	Within 06 months.	Individual Industries.
b)	<ul style="list-style-type: none"> <li><b>Groundwater Pollution:</b> 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. Also, intensive surveys will be done to ensure that practice of reverse boring is not prevalent in the region.</li> </ul>	Ongoing	Jal Nigam/ State Ground Water Authority

c)	<ul style="list-style-type: none"> <li><b>Domestic Waste Water (Sewage):</b> Domestic sewage contributes to about 80% of Water. The status of Sewage Pollution Control is as follows:</li> </ul>	Ongoing	UPPCB and Jal Nigam
	<ul style="list-style-type: none"> <li>STP is Operational</li> </ul>	Ongoing	UPPCB and Jal Nigam
	<ul style="list-style-type: none"> <li>Combined Inspection of STP by UPPCB and Jal Nigam</li> </ul>	Ongoing Process	UPPCB and Jal Nigam
	<ul style="list-style-type: none"> <li>Upcoming High Rise Buildings, Commercial Project, Educational Institution, Multiplex, 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.</li> </ul>	Ongoing Process	Project proponent Local Authority & UPPCB.

### 2.10.2 Existing Infrastructure Facilities-

**STP-** 1 no. (58 MLD)

**CETP-** Nil

**ETPs-** Installed in all water polluting industries

### 2.10.3 Technological Intervention

S. No	Name & Address of Industry	Type	Pollution Control Measures(Y/N)
1	2	3	4
1	A toZ Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
2	A.C. Brothers Exports, Delhi Road, Moradabad	Metal Surface Treatment	Y
3	Akanksha International Lakri Fazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
4	Asian Handicraft, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	Y

5	Bansal Impex, Rampur Road, Moradabad	Metal Surface Treatment	Y
6	Bhatia Silver Wares, Behind Akansha Automobiles, Delhi Road	Metal Surface Treatment	Y
7	Brasage, Minibypass, Lakri Fazalpur, Moradabad	Metal Surface Treatment	Y
8	Brassco International, Katghar, Moradabad	Metal Surface Treatment	Y
9	Dapper Exports, Lakri Fazalpur, Moradabad	Metal Surface Treatment	Y
10	Decorative Crafts, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	Y
11	Deepak Corporation, Delhi Road,, Moradabad	Metal Surface Treatment	Y
12	Dewan Sons Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
13	Designco, Lakrifazalpur, Delhi Road	Metal Surface Treatment	Y
14	Dynamic Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
15	GLOBE EXPORT CORPORATION Delhi Road, Moradabad	Metal Surface Treatment	Y
16	East Coast Industries, Pandit Nagla, Moradabad	Metal Surface Treatment	Y
17	Ellen Export, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
18	Exotic India, Delhi Road , Moradabad	Metal Surface Treatment	Y
19	Fantasy Export, Delhi Road, Moradabad	Metal Surface Treatment	Y
20	Garg Sons Exports, Rampur Road, Moradabad	Metal Surface Treatment	Y
21	Globe Artware Impex Pvt. Ltd., Niryat Nagar, Delhi Road , Moradabad	Metal Surface Treatment	Y

22	Goyal India, Delhi Road, Moradabad	Metal Surface Treatment	Y
23	Gyaneshwar Saran & Sons, Delhi Road, Moradabad	Metal Surface Treatment	Y
24	Hansa Agencies P Ltd., Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
25	Samlan International, Lakri Fazalpur, Moradabad	Metal Surface Treatment	Y
26	Horizon Impex unit-1 Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
27	Highlands Export, Delhi Road, Moradabad	Metal Surface Treatment	Y
28	Impression India Export, Lakri Fazalpur mini by pass, Moradabad	Metal Surface Treatment	Y
29	International Link, Harthala, Moradabad	Metal Surface Treatment	Y
30	Interseas Traders, Delhi Road, Moradabad	Metal Surface Treatment	Y
31	J.O. Exports, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	Y
32	Jade Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	Y
33	Kishori Ji Exports, Delhi Road, Moradabad	Metal Surface Treatment	Y
34	Kohinoor Craft, Sambhal Road, Moradabad	Metal Surface Treatment	Y
35	Kumar International, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
36	Degignco Unit-4 Lakri fazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
37	Designco Unit-3 (Lohia Brass Pvt.Ltd.) Lakri Fazalpur, Mini By Pass	Metal Surface Treatment	Y
38	Mahesh Chandra & Brothers, Delhi Road , Moradabad	Metal Surface Treatment	Y
39	Marque Impex, Sambhal Road, Moradabad	Metal Surface Treatment	Y

40	Meba Brass, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	Y
41	Mehrotra Impex , Niryat Nagar, Moradabad	Metal Surface Treatment	Y
42	MH Export, Sambhal Road, Moradabad	Metal Surface Treatment	Y
43	Nodi Exports, Delhi Road, Moradabad	Metal Surface Treatment	Y
44	Object D Art India, Rampur Road, Moradabad	Metal Surface Treatment	Y
45	Paragon Metal Industries, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
46	Parkland Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	Y
47	Parth Overseas, Lakri Fazalpur, Moradabad	Metal Surface Treatment	Y
48	Quality Products of India, Delhi Road, Moradabad	Metal Surface Treatment	Y
49	Ganaga Handi craft, Zero Point, Delhi Road , Moradabad	Metal Surface Treatment	Y
50	R.S. Exports, Rampur Road, Moradabad	Metal Surface Treatment	Y
51	Rajan Oversease, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	Y
52	Rashid Exports, Pandit Nagla By Pass,, Moradabad	Metal Surface Treatment	Y
53	Sainik Enterprises, Khushalpur Road, Moradabad	Metal Surface Treatment	Y
54	Saurabh Sagar Builder & Developers Pvt. Ltd., Moradabad	Metal Surface Treatment	Y
55	Shri Krishna Impex, Lakri Fazalpur, Moradabad	Metal Surface Treatment	Y
56	Shri Nathji Export, Opposite Hotel Park Square, Delhi Road	Metal Surface Treatment	Y
57	Kishoriji Exim Pvt. Ltd., Niryat Nagar, Delhi Road, Moradabad	Metal Surface Treatment	Y

58	Stalwart Trendz, Delhi Road, Moradabad	Metal Surface Treatment	Y
59	STALWART HOMESTYLES, LAKRI FAZALPUR TIRAHA, RTO OFFICE ROAD, MINI BYPASS, DELHI ROAD, TEHSIL AND DISTRICT-MORADABAD, U.P.	Metal Surface Treatment	Y
60	Universal Arc Enterprises, Rampur Road, Moradabad	Metal Surface Treatment	Y
61	Usha Exports, Lakri Fazalpur Mini By Pass, Moradabad	Metal Surface Treatment	Y
62	Vallabh Metal Ink, Delhi Road, Moradabad	Metal Surface Treatment	Y
63	Venus India, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	Y
64	Zakaria Shahid & Sons, Sambhal Road, Moradabad	Metal Surface Treatment	Y
65	UNRIVALED DESIGN GROUP Lane No-2, Behind Hotel Drive IN 24, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Metal Surface Treatment	Y
66	RR OVERSEAS, Gata No-1117, 1119, 1125, LakriFazalpur, Niryat Nagar, Opposite Circuit Hous, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment	Y
67	M R IMPEX Khasra No-1681, 1692, 1693, 1694, 1695, 196, Village-LakriFazalpur, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment	Y
68	QUALITY EXPORTS, LakriFazalpur, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment	Y
69	GLOBE METAL AND GLASS EXPORTS, 5th K.M. Stone, LakriFazalpur, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment	Y
70	GODGIFT INTERNATIONAL, MAUJA BASANTPUR RAMRAI, RAMPUR ROAD, MORADABAD	Metal Surface Treatment	Y
71	DESIGN CRAFT INDUSTRIES, Delhi Road, Opp. Hotel Rahi, Moradabad, MORADABAD, 244001	Metal Surface Treatment	Y
72	MARQUE IMPEX UNIT II, Khasra No-171, Mohammadpur Bastaur, Opposite Village Noorpur, Chandausi Road, Tehsil-Bilari, District-Moradabad, U.P.	Metal Surface Treatment	Y

73	Siddhi Handicrafts, Lakrifazalpur, Moradabad,244001	Metal Surface Treatment	Y
74	HUSSNAIN INTERNATIONAL INDIA EXP, Rampur Road, Near Dear Park, Tehsil-Sadar, District-Moradabad, U.P., 244001	Metal Surface Treatment	Y
75	KANHYA LAL NIRMAL KUMAR TRADERS PVT LTD, Niryatnagar, Delhi Road MORADABAD, 244001	Metal Surface Treatment	Y
76	SHRI KRISHNA BOARD MILLS,VILLAGE-LAKRI FAZALPUR, MINI BYPASS, DELHI ROAD,TEHSIL AND DISTRICT-MORADABAD, U.P. 244001,	Board Mill	Y
77	CATLARRY EXPORTS, BEHIND RELIANCE PUMP, LAKRI FAZALPUR, DELHI ROAD,TEHSIL AND DISTRICT-MORADABAD, U.P. 244001	Metal Surface Treatment	Y
78	VALLABH METAL INC UNIT 2, KHASRA NO-3339/8A etc. VILLAGE-LAKRI FAZALPUR, DELHI ROAD, NEAR HINDUSTAN PRESS, MORADABAD, U.P. 244001	Metal Surface Treatment	Y

#### 2.10.4.1 Inventorisation of Prominent Industries with Technological Gaps

AS above: All industries need to modify/upgrade to the latest technology of effluent treatment and adopt suitable technology to achieve ZLD.

#### 2.10.4.2 Identification of Low Cost and Advanced Cleaner Technology for Pollution Control

S. No	Number of industries adopted cleaner technologies	Previous technologies	New technologies
1	01 (M/s Designco ,Lakdi Fazalpur,Moradabad)	Physiochemical treatment	Upgraded ETP with additional Ultraviolet and , Ultra filtration units

**2.10.5 Infrastructure Renewal if any required** - As point no. 2.10.4.1

**2.10.5.1 Details of existing infrastructure facilities** - Physiochemical treatment



**2.10.5.2 Need of up gradation of existing facilities** - Yes, Polluting units should install Zero Liquid Discharge (ZLD) system.

**2.10.5.3 De-silting of water tanks, drains, culvert, etc.** - NA

**2.10.5.4 Construction of lined drains/ connections** - NA

**2.10.5.5 Treatment and management of contaminated surface water bodies -**

S. No.	Contaminated surface water bodies	Treatment adopted	Status
1	0	0	0

**2.10.5.6 Rejuvenation/ Management Plan for important eco-geological features- --**

-- NO such proposal

**2.10.5.7 Comments on Carrying of effluent from industrial units located in non-industrial locations to CETP facilities by lined drains/ pipelines only and prevention of other disposal into city sewerage/ surface drainage**

-- NO such proposal

**2.10.5.8 Installation of Gen sets at CETPs** - NA

**2.10.6 Managerial and Financial aspects** - NA

**2.10.6.1 Cost and time estimates:** - NA

**2.10.6.2 Identified private/ public sector potential investors and contribution/ obligation:** - NO

**2.10.6.3 Government Budgetary support requirement**

S. No.	Amount of budget allocated to CEPI area	Remarks
1	NIL	NA

**2.10.6.4 Hierarchical and structured managerial system for efficient implementation**

**2.10.7 Self monitoring systems industries (ETPs) etc.** - No

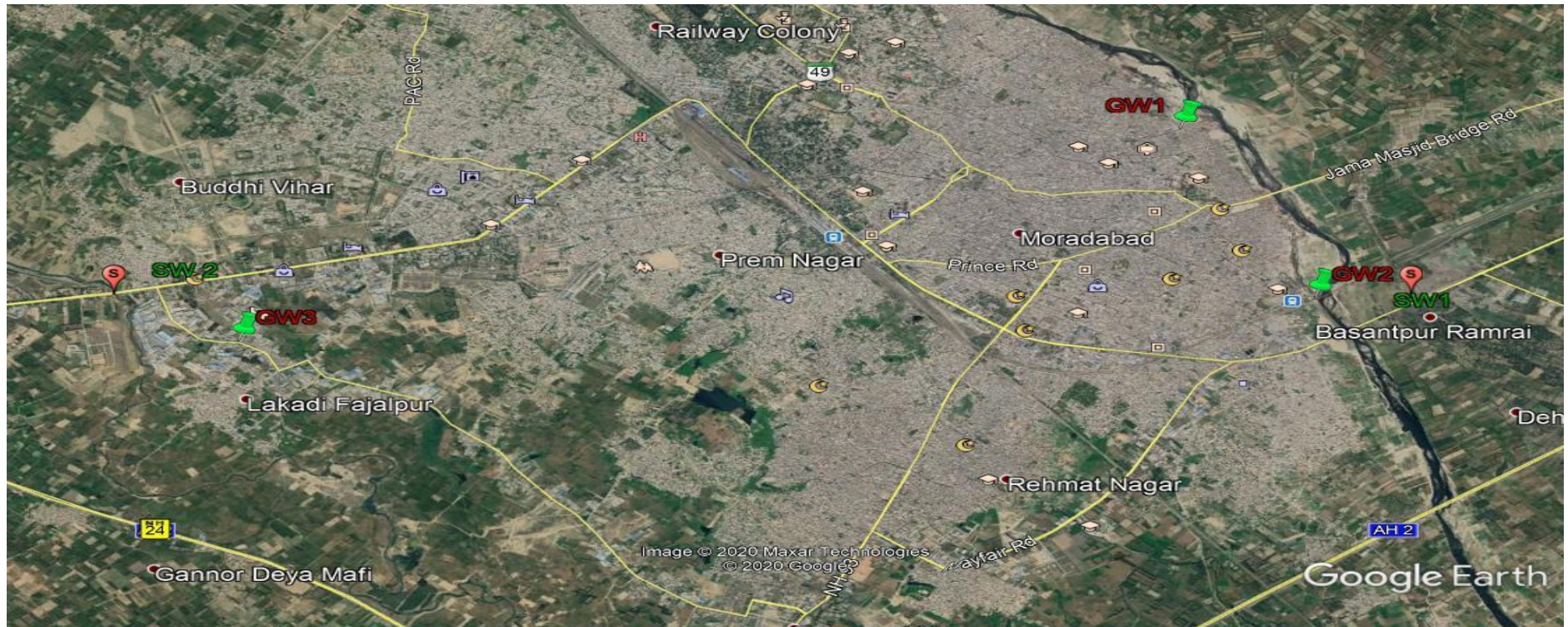
S. Nos	Industries	Category	ETPs installed(Y/N)
1	Nil	NA	NA

**2.10.8 Data linkages to SPCB / CPCB (OCEEMS)-** No such type of industries available.

S. No.	Industries	Category	Data linkages (Y/N)
1	Nil	NA	NA

## 2.11 MONITORING: SURFACE WATER, GROUND WATER

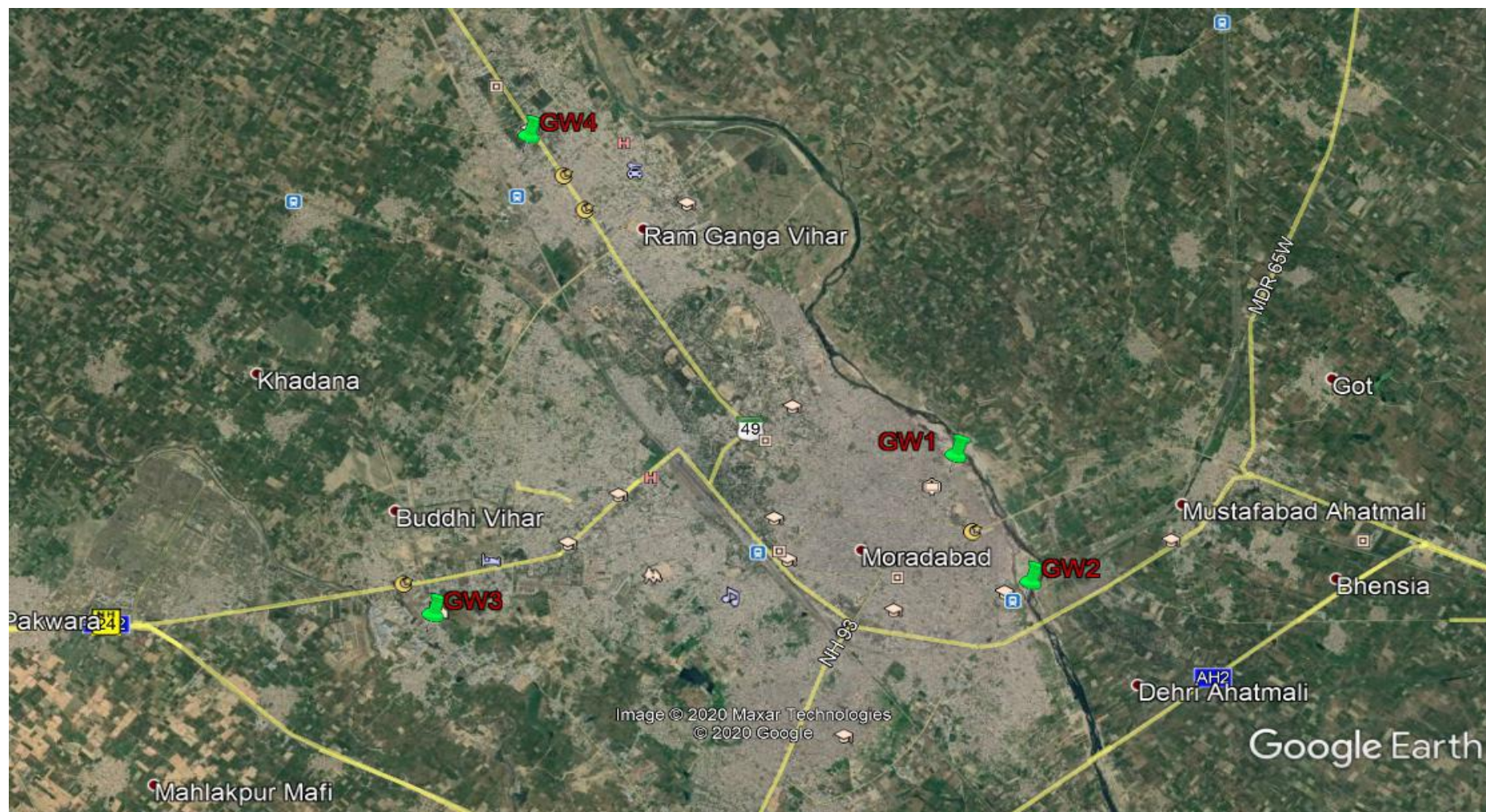
### SURFACE WATER MONITORING STATIONS



#	Location/Station	Location Code
1	Katghar road bridge (28.823333, 78.801388)	SW1
2	Delhi road bridge Lakdi Fazal Pur (28.826388, 78.717777)	SW2



### GROUND WATER MONITORING STATIONS:



	<b>Location/Station</b>	<b>Location Code</b>	<b>#</b>	<b>Location/Station</b>	<b>Location Code</b>
1	Near Kali Temple, Lalbagh <b>(28.840656, 78.789101)</b>	GW1	3	Premise of Chamunda Temple, In front of Horizan Impex, Lakri Fazalpur <b>(28.822411, 78.726160)</b>	GW3
2	Near Katghar Drain, Katghar <b>(28.826117, 78.797997)</b>	GW2	4	Harthala Industrial Area, Moradabad <b>(28.877815, 78.737212)</b>	GW4

### 3.0 Air Environment

#### 3.1 Present status of Air environment:

S. Nos	Cluster	January 2019 to December 2019	AQI	Condition
1	Buddh Bazar	January	251	Poor
		February	243	Poor
		March	232	Poor
		April	223	Poor
		May	214	Poor
		June	210	Poor
		July	201	Poor
		August	193	Moderate
		September	198	Moderate
		October	224	Poor
		November	243	Poor
		December	277	Poor
2	Police Training Centre	January	201	Poor
		February	176	Moderate
		March	169	Moderate
		April	165	Moderate
		May	157	Moderate
		June	148	Moderate
		July	143	Moderate
		August	138	Moderate
		September	145	Moderate
		October	179	Moderate
		November	195	Moderate
		December	209	Poor
3	Lajpat Nagar	January	301.37	Poor
		February	230.76	Poor
		March	181.6	Moderate
		April	214.11	Poor
		May	238.05	Poor
		June	168.7	Moderate
		July	89.06	Satisfactory
		August	168.70	Moderate
		September	88.37	Satisfactory
		October	245.35	Poor
		November	264	Poor
		December	333	Poor

### 3.1.1 Critical locations for air quality monitoring:

S. Nos.	Locations identified	Coordinates		Distance and direction
		Latitude	Longitude	
1	Buddh bazaar	28.832797	78.768873	1.50 km South
2	Police Training Centre, Kanth Road	28.856066	78.759175	1.71 Km North West
3	Maharaja Harischandra Degree College, Lajpatnagar	28.825000	78.782222	2.48 km South East

### 3.1.2 Present levels of pollutants in air:

A. Ambient Air Quality Monitoring for following parameters:

S. No	Parameters	Observed values( $\mu\text{g}/\text{m}^3$ )	Standards( $\mu\text{g}/\text{m}^3$ )
1	SO <sub>2</sub>	8-39	60
2	NO <sub>2</sub>	11.1 – 90.20	60
3	PM <sub>10</sub>	88- 318	100
4	PM <sub>2.5</sub>	38- 203	60

ii. O<sub>3</sub> , CO (8 hrly average )

S. No	Parameters	Observed values	Standards
1	O <sub>3</sub>	21.8 – 97.8 ( $\mu\text{g}/\text{m}^3$ )	100( $\mu\text{g}/\text{m}^3$ )
2	CO	0.76 – 1.93(mg/m <sup>3</sup> )	2.0(mg/m <sup>3</sup> )

iii. Ammonia (for 24 hrly average value)

S. No	Parameters	Observed values ( $\mu\text{g}/\text{m}^3$ )	Standards ( $\mu\text{g}/\text{m}^3$ )
1	NH <sub>3</sub>	25.32 -58.3	100

### 3.2 Sources of air pollution:

There is no coal & biomass based power plants leading to transportation with Heavy Earth Movers in the cluster & impact zone of the study area.

### 3.3 Air Polluting Industries in the cluster/Impact Zone

Red Category-

S. No	Name & Address of Industry	Type	Location	
			Latitude of Industry	Longitude of Industry
1	2	3	4	5
1	A toZ Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°50'15.90"	78°44'45.21"
2	A.C. Brothers Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'30.29"	78°43'18.96"
3	Akanksha International Lakri Fazalpur, Delhi Road , Moradabad	Metal Surface Treatment	28°49'26.99"	78°26'36.99"
4	Asian Handicraft, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'57.09"	78°47'23.67"
5	Bansal Impex, Rampur Road, Moradabad	Metal Surface Treatment	28°49'15.76"	78°47'31.78"
6	Bhatia Silver Wares, Behind Akansha Automobiles, Delhi Road	Metal Surface Treatment	28°49'36.67"	78°43'28.21"
7	Brasage, Minibypass, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'05.93"	78°44'09.21"
8	Brassco International, Katghar, Moradabad	Metal Surface Treatment	28°49'20.25"	78°46'23.64"
9	Dapper Exports, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'04.03"	78°44'06.49"
10	Decorative Crafts, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	28°49'00.91"	78°43'53.52"
11	Deepak Corporation, Delhi Road,, Moradabad	Metal Surface Treatment	28°49'32.70"	78°43'35.87"
12	Dewan Sons Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'32.40"	78°43'14.04"

13	Designco, Lakrifazalpur, Delhi Road	Metal Surface Treatment	28°49'31.20"	78°43'14.79"
14	Dynamic Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'10.33"	78°43'27.90"
15	GLOBE EXPORT CORPORATION Delhi Road, Moradabad	Metal Surface Treatment	28°82'55.47"	78°72'49.89"
16	East Coast Industries, Pandit Nagla, Moradabad	Metal Surface Treatment	28°48'17.49"	78°46'38.88"
17	Ellen Export, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'16.25"	78°43'29.57"
18	Exotic India, Delhi Road , Moradabad	Metal Surface Treatment	28°49'42.36"	78°44'03.24"
19	Fantasy Export, Delhi Road, Moradabad	Metal Surface Treatment	28°49'42.68"	78°44'02.65"
20	Garg Sons Exports, Rampur Road, Moradabad	Metal Surface Treatment	28°49'16.52"	78°47'04.62"
21	Globe Artware Impex Pvt. Ltd., Niryat Nagar, Delhi Road , Moradabad	Metal Surface Treatment	28°49'37.26"	78°43'54.98"
22	Goyal India, Delhi Road, Moradabad	Metal Surface Treatment	28°49'40.51"	78°43'41.97"
23	Gyaneshwar Saran & Sons, Delhi Road, Moradabad	Metal Surface Treatment	28°49'40.17"	78°43'37.70"
24	Hansa Agencies P Ltd., Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'21.91"	78°43'25.91"
25	Samlan International, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°50'10.83"	78°45'58.02"
26	Horizon Impex unit-1 Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'21.72"	78°43'22.92"
27	Highlands Export, Delhi Road, Moradabad	Metal Surface Treatment	28°49'30.57"	78°42'14.14"
28	Impression India Export,Lakri Fazalpur mini by pass, Moradabad	Metal Surface Treatment	28°49'15.78"	78°43'50.84"
29	International Link, Harthala, Moradabad	Metal Surface Treatment	28°52'35.12"	78°44'14.42"
30	Interseas Traders, Delhi Road, Moradabad	Metal Surface Treatment	28°49'47.89"	78°44'20.78"



31	J.O. Exports, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'44.90"	78°47'16.85"
32	Jade Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'32.69"	78°43'35.86"
33	Kishori Ji Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'57.22"	78°44'39.75"
34	Kohinoor Craft, Sambhal Road, Moradabad	Metal Surface Treatment	28°50'12.53"	78°46'45.73"
35	Kumar International, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'19.72"	78°43'28.83"
36	Degignco Unit-4 Lakri fazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°82'33.80"	78°72'33.25"
37	Designco Unit-3 (Lohia Brass Pvt.Ltd.) Lakri Fazalpur, Mini By Pass	Metal Surface Treatment	28°49'32.88"	78°43'14.61"
38	Mahesh Chandra & Brothers, Delhi Road , Moradabad	Metal Surface Treatment	28°49'55.80"	78°44'37.80"
39	Marque Impex, Sambhal Road, Moradabad	Metal Surface Treatment	28°49'59.68"	78°46'02.20"
40	Meba Brass, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'19.42"	78°46'09.19"
41	Mehrotra Impex , Niryat Nagar, Moradabad	Metal Surface Treatment	28°49'34.83"	78°43'51.40"
42	MH Export, Sambhal Road, Moradabad	Metal Surface Treatment	28°48'11.86"	78°45'59.49"
43	Nodi Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'55.40"	78°44'07.33"
44	Object D Art India, Rampur Road, Moradabad	Metal Surface Treatment	28°49'16.81"	78°47'01.54"
45	Paragon Metal Industries, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'16.56"	78°43'36.51"
46	Parkland Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'07.93"	78°43'56.90"
47	Parth Overseas, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'34.34"	78°43'37.81"
48	Quality Products of India, Delhi Road, Moradabad	Metal Surface Treatment	28°49'41.71"	78°43'38.64"

49	Ganga Handi craft, Zero Point, Delhi Road , Moradabad	Metal Surface Treatment	28°82'66.85"	78°69'44.05"
50	R.S. Exports, Rampur Road, Moradabad	Metal Surface Treatment	28°49'14.39"	78°47'04.03"
51	Rajan Oversease, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	28°49'02.78"	78°50'10.61"
52	Rashid Exports, Pandit Nagla By Pass,, Moradabad	Metal Surface Treatment	28°48'20.72"	78°46'12.09"
53	Sainik Enterprises, Khushalpur Road, Moradabad	Metal Surface Treatment	28°50'04.15"	78°44'57.68"
54	Saurabh Sagar Builder & Developers Pvt. Ltd., Moradabad	Metal Surface Treatment	28°49'09.03"	78°38'15.77"
55	Shri Krishna Impex, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'19.20"	78°43'29.88"
56	Shri Nathji Export, Opposite Hotel Park Square, Delhi Road	Metal Surface Treatment	28°49'59.88"	78°44'47.34"
57	Kishoriji Exim Pvt. Ltd., Niryat Nagar, Delhi Road, Moradabad	Metal Surface Treatment	28°49'38.28"	78°43'55.90"
58	Stalwart Trendz, Delhi Road, Moradabad	Metal Surface Treatment	28°49'45.12"	78°44'00.18"
59	STALWART HOMESTYLES, LAKRI FAZALPUR TIRAHA, RTO OFFICE ROAD, MINI BYPASS, DELHI ROAD, TEHSIL AND DISTRICT- MORADABAD, U.P.	Metal Surface Treatment	28°79'.73.61"	78°78'06.49"
60	Universal Arc Enterprises, Rampur Road, Moradabad	Metal Surface Treatment	28°50'01.79"	78°49'56.46"
61	Usha Exports, Lakri Fazalpur Mini By Pass, Moradabad	Metal Surface Treatment	28°49'27.60"	78°43'17.11"
62	Vallabh Metal Ink, Delhi Road, Moradabad	Metal Surface Treatment	28°49'15.45"	78°43'30.77"
63	Venus India, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'41.68"	78°43'43.77"
64	Zakaria Shahid & Sons, Sambhal Road, Moradabad	Metal Surface Treatment	28°47'51.47"	78°45'47.89"
65	UNRIVALED DESIGN GROUP Lane No-2, Behind Hotel Drive IN 24, Delhi Road, Tehsil-Moradabad, District- Moradabad, U.P. 244001	Metal Surface Treatment		

66	RR OVERSEAS, Gata No-1117, 1119, 1125, LakriFazalpur, Niryat Nagar, Opposite Circuit Hous, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Metal Surface Treatment		
67	M R IMPEX Khasra No-1681, 1692, 1693, 1694, 1695, 196, Village-LakriFazalpur, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Metal Surface Treatment		
68	QUALITY EXPORTS, LakriFazalpur, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Metal Surface Treatment		
69	GLOBE METAL AND GLASS EXPORTS, 5th K.M. Stone, LakriFazalpur, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Metal Surface Treatment	28°82'51.47"	78°72'47.89"
70	GODGIFT INTERNATIONAL, MAUJA BASANTPUR RAMRAI, RAMPUR ROAD, MORADABAD	Metal Surface Treatment		
71	DESIGN CRAFT INDUSTRIES, Delhi Road, Opp. Hotel Rahi, Moradabad, MORADABAD, 244001	Metal Surface Treatment		
72	MARQUE IMPEX UNIT II, Khasra No-171, Mohammadpur Bastaur, Opposite Village Noorpur, Chandausi Road, Tehsil- Bilari, District- Moradabad, U.P.	Metal Surface Treatment		
73	Siddhi Handicrafts, LakriFazalpur, Moradabad, 244001	Metal Surface Treatment		
74	HUSSNAIN INTERNATIONAL INDIA EXP, Rampur Road, Near Dear Park, Tehsil- Sadar, District- Moradabad, U.P., 244001	Metal Surface Treatment		
75	KANHYA LAL NIRMAL KUMAR TRADERS PVT LTD, Niryatnagar, Delhi Road MORADABAD, 244001	Metal Surface Treatment		
76	SHRI KRISHNA BOARD MILLS, VILLAGE- LAKRI FAZALPUR, MINI BYPASS, DELHI ROAD, TEHSIL AND DISTRICT- MORADABAD, U.P. 244001,	Board Mill		

77	CATLARRY EXPORTS, BEHIND RELIANCE PUMP, LAKRI FAZALPUR, DELHI ROAD, TEHSIL AND DISTRICT-MORADABAD, U.P. 244001	Metal Surface Treatment		
78	VALLABH METAL INC UNIT 2, KHASRA NO-3339/8A etc. VILLAGE-LAKRI FAZALPUR, DELHI ROAD, NEAR HINDUSTAN PRESS, MORADABAD, U.P. 244001	Metal Surface Treatment		

### Orange Category-

1.	Shivom International, Rampur Road, Moradabad	Buffing/Polishing
2.	Creative Design Prem Nagar, Kanth Road, Moradabad	Buffing/Polishing
3.	Gift International Lakri Fazalpur, Minibypass, Moradabad	Buffing/Polishing
4.	M.S. Overseas Peetal Basti, Rampur Road, Moradabad	Buffing/Polishing
5.	Digvijay Metal Delhi Road, Moradabad	Buffing/Polishing
6.	Dekora Arts Peetal basti, Rampur Road, Moradabad	Buffing/Polishing
7.	Metal India Old Rampur Road, Moradabad	Buffing/Polishing
8.	S.K. Export Majholi, Delhi Road, Moradabad	Buffing/Polishing
9.	Lamba Tools (P) Ltd. Lakrifazalpur, Moradabad	Machines Production
10.	Alviras Exports, Lakri Fazalpur, Delhi Road, Moradabad	Buffing/Polishing
11.	SUNRISE HANDICRAFTS, Opposite Circuit House, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Buffing/Polishing
12.	Oliver Design Harthala Industrial Area, Moradabad	Buffing/Polishing
13.	City Craft Mau Harthala, Moradabad	Buffing/Polishing
14.	Exotic Agro Delhi Road, Moradabad	Mentha

15.	Overseas Handicraft Prem Nagar, Kanth Road, Moradabad	Buffing/Polishing
16.	H. Lal & Sons Delhi Road, Niryat Nagar, Moradabad	Buffing/Polishing
17.	Wajeerchand Majholi, Delhi Road, Moradabad	Buffing/Polishing
18.	Premier Collection Peetal Basti, Rampur Road, Moradabad	Buffing/Polishing
19.	G & S Exports Delhi Road, Moradabad	Buffing/Polishing
20.	Saran Impex Lodhipur Rajput, Moradabad	Buffing/Polishing
21.	Singhal Thermopac Pandit Nagla, Bypass, Moradabad	Thermacol
22.	M GOEL OVERSEAS, Vatika City, Near Gagan Pull, Delhi Road, Moradabad	Buffing/Polishing
23.	INNOVATIVE IMPEX, AGWANPUR, Moradabad	Buffing/Polishing
24.	PRAKASH WOOLEN & SYNTHETIC MILLS LIMITED,VILLAGE-MANGUPURA, POST-PAKBARA, DELHI ROAD, DISTRICT-MORADABAD, U.P., 244001	Cotton
25.	Expression of India, Manjunagar,Rampur Road, Moradabad	Buffing/Polishing
26.	BHAGYA SHREE FOOD PRODUCTS (OLD NAME-M/S HARE KRISHNA FOOD KHUSHALPUR ROAD, MORADABAD Moradabad	Food Processing
27.	NY METAL SOLUTIONS	Non Ferrous
28.	LAKSHMI INTERNATIONAL, Lakrifazalpur,Moradabad	Buffing/Polishing
29.	SHIVOM OVERSEAS EXPORT,8/31, OLD RAMPUR ROAD, GULAB BARI, KATGHAR, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
30.	PROGRESS ENTERPRISES (UNIT-II),PLOT NO-D-36A, HARTHALA INDUSTRIAL ESTATE, KANTH ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
31.	ANAND ENTERPRISES-I,VILLAGE-AGWANPUR, KANTH ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
32.	MORADABAD INFRASTRUCTURE DEVELOPMENT PVT. LTD.,LAKRI FAZALPUR, DELHI ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing

33.	DESIGNER SMITH INC.,PANDIT NAGLA, NEAR MINI BYPASS, ON BALDEVPURI ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
34.	SELECT HANDICRAFTS,NEAR RTO OFFICE, LAKRI FAZALPUR, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
35.	OMEX TRADING CO.,OMSONS HOUSE, RAMPUR ROAD, KATGHAR, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
36.	SAI CREATIONS,PEETAL NAGRI RAMPUR ROAD, TEHSIL-SADAR, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
37.	MAA SHEETLA AUTO WHEELS PVT. LTD.,OPPOSITE AKANKSHA AUTOMOBILES, LAKRI FAZALPUR ROAD, DISTRICT-MORADABAD, U.P., 244001	Automobile servicing center
38.	JBK INTERNATIONAL Behind Akanksha Automobiles, Lakrifazalpur, Delhi Road, District-Moradabad, U.P., 244001	wooden Artware
39.	BHARAT ELECTROPLATERS & EXPORTERS,OPPOSITE EKTA VIHAR COLONY, RAMPUR ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
40.	Garvik International, Lakri Fazalpur Industrial Area, Near Water Tank, Delhi Road, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
41.	ARJUN VASU AUTOMOBILES PVT. LTD. 5th K.M. STONE, NEAR MODERN PUBLIC SCHOOL, DELHI ROAD, DISTRICT-MORADABAD, U.P., 244001	Automobile servicing center
42.	GANGA FOUNDATION 31, Old Rampur Road, Gulab Bari Katghar, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing
43.	SAI ART IMPEX INDIA Lakri Fazalpur Bypass, Opposite Hindustan Press, Tehsil-Sadar,DISTRICT-MORADABAD, U.P., 244001,MORADABAD,244001	Buffing/Polishing
44.	E S ENTERPRISES, Govind Nagar, Rampur Road, Opposite Prabhat Market, Tehsil-Sadar,District-Moradabad, U.P., 244001, ,MORADABAD,244001	Buffing/Polishing
45.	LOHIA BRASS PRIVATE LIMITED, LAKRI FAZALPUR, DELHI ROAD, MORADABAD,MORADABAD,244001	Ferrous and non ferrous metal

46.	INTER LINKS, D-46 And 47, Harthala Industrial Area, Kanth Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001,	Buffing/Polishing
47.	VALLABH BHAIKAV Lakri Fazalpur, T-Point, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P., 244001	Non Ferrous
48.	ATUF INDUSTRIES OLD NAME INNOVATIVE IMPEX, Village-Aghwanpur, Tehsil-Moradabad, District-Moradabad, U.P., 244001	Buffing/Polishing
49.	SAGA STEELS, Hanuman Murti, Pandit Nagla, Bypass, Tehsil-Sadar, District-Moradabad, U.P., 244001	Buffing/Polishing
50.	DIGVIJAY EXPORTS, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Buffing/Polishing
51.	FLORA INTERNATIONAL Gata No-125, Village-Dehri Mustakam, 54 Nagla Road, Tehsil-Sadar, District-Moradabad, U.P. 244001	Buffing/Polishing
52.	GIFT LAND EXPORTS ORIENTATION, Suraj Nagar, Peetal Nagri, Rampur Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Buffing/Polishing
53.	EXPRESSION OF INDIA Khata No-505, Gata No-784, 785, Village-Bhainsiya, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Buffing/Polishing
54.	BROADWAY EXPORTS INC Mahlakpur-Dingarpur Road, Near SEZ Industrial Area, Pakbara, Tehsil-Sadar, District-Moradabad, U.P. 244001	Buffing/Polishing
55.	DESIGNER IMPEX Behind Hanuman Murti, Pandit Nagla ByPass Road, Tehsil-Sadar, District-Moradabad, U.P. 244001	Buffing/Polishing
56.	ADITI ARTS Gata No-2094/1, 2100, Village-Mughalpura Urf Aghwanpur, Tehsil And District-Moradabad, U.P. 244001	Buffing/Polishing
57.	PAL AND SONS EXPORT, Khasra No-2111, 2115, Near Reliance Petrol Pump, Behind 400 KV Power Station, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Buffing/Polishing
58.	DESIGNCO UNIT II Designco Unit II Lakri Fazalpur Delhi Road Moradabad 244001	Carpentry & wooden furniture manufacturing
59.	Designer Impex Pandit Nagla, Mini By pass, Moradabad	Buffing and Polishing

60.	KLK International Peetal Nagri, Moradabad	Buffing and Polishing
61.	Sam International , Pandit Nagla, Moradabad	Buffing and Polishing
62.	Vorka Impex, Barbalan Road, Katghar, Moradabad	Buffing and Polishing
63.	Rajkamal Overseas, Prabhat Market, Rampur Road	Buffing and Polishing
64.	Zed Impex, Ekta Vihar, Ekta Vihar, Rampur Road, Moradabad	Buffing and Polishing
65.	C.L. Gupta & Sons Rampur Road, Moradabad	Buffing and Polishing
66.	Finesco International Old Rampur Road, Moradabad	Buffing and Polishing
67.	Om Sons Industries Pvt. Ltd., Rampur Road, Moradabad	Buffing and Polishing
68.	Om Sons, Rampur Road, Moradabad	Buffing and Polishing
69.	Indra Deco Corporation, Mau Harthala Industrial Area, Kanth Road, District-Moradabad, U.P. 244001,	Buffing and Polishing
70.	HM INTERNATIONAL, Lakri Fazalpur, Mini ByPass, Delhi Road, Tehsil District-Moradabad, U.P.	Buffing and Polishing
71.	H R OVERSEAS, Lakri Fazalpur Mini ByPass, Near CNG Pump, Tehsil And District-Moradabad, U.P.	Buffing and Polishing
72.	SHANU METAL INDUSTRIES, Transport Nagar, Behind RTO, Delhi-Sambhal ByPass Road, Tehsil And District-Moradabad, U.P. 244001	Buffing and Polishing
73.	SS INTERNATIONAL, Khasra No-1595, Lakri Fazalpur, Mini ByPass, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Buffing and Polishing
74.	WAZIR CHAND IMPEX INDIA, Delhi Road Lakri Fazalpur, Mini By Pass, Moradabad, MORADABAD, 244001	Buffing and Polishing
75.	AANYA DESIGNS, 5th Km Opposite Modern Public School Delhi Road Moradabad 244001	Buffing and Polishing
76.	MAIRAJ BROTHERS, Gata No-772, Village-Mohammadpur Bastaur, Sambhal Road, Tehsil-Bilari, District-Moradabad, U.P. 244411	Buffing and Polishing
77.	DBA EXPORT INDIA PVT LTD LAKRI FAZALPUR, NEAR HINDUSHTAN PRESS, DELHI ROAD MORADABAD ,244001	Buffing and Polishing



## Coal based Metal Furnaces-

➤ **Action for closure of these units have been taken under section 31 A of the Air (Prevention and Control of Pollution) Act 1981.**

1	Shahnawaz S/o Akhtar Husain, Barbalan
2	Zuber S/o Aktar Husain, Barbalan
3	Nadeem, S/o Sri Ishyaq, Barbalan
4	Alam, S/o Sri Ishyad, Barbalan
5	Shamim, S/o Sri Nanhey Ali, Barbalan
6	Naeem S/o Sri Shafiq Ahmad, Barbalan
7	Ganga Bhola, S/o Bulaki Ram Bhola, Lal Bagh
8	Bhagwat S/o Sri Durga Pd., Lal Bagh
9	Munendra S/o Sri Uday Raj Singh, Lal Bagh
10	Raju S/o Sri Mohan Lal, Lal Bagh
11	Ram Singh S/o Late Ram Swaroop, Lal Bagh
12	Anil S/o Sri Chunni Lal, Lal Bagh
13	Nanhey S/o Sri Ram Prasad, Lal Bagh
14	Uttam S/o Sri Khamman, Singh Lal Bagh
15	Raman S/o Sri Rakesh Kumar, Lal Bagh
16	Narpat S/o Sri Ram Prasad, Lal Bagh
17	Ramesh S/o Sri Shiv Charan
18	Saleem Member S/o Shabbir Husain, Jayantipur
19	Hazi Rais S/o Sri Babu, Nawabpura
20	Gulam S/o Sri Khursheed Alam, Pachpera,
21	Shafeel S/o Moh. Hafiz, Nawabpura,
22	Moh. Abdul Gaffar S/o Sri Hazi Rashid, Khari
23	Nabi Ahmad S/o Sri Rais Ahmad, Baradari

24	Tanveer S/o Ibrahim, Rahmat Nagar
25	Hafij Suhail S.o Sri Rais, Jayantipur Manpur
26	Moh. Hasan S/o Mehmud, Vidhya Nagar, Harthala
27	Shahnawaz, S/o Sharfaraz, Shiv Nagar
28	Musa S/o Abrar Husain, Lal Imli Masjid
29	Shabban Khan S/o Sri Chamman Khan, Lal Imli Masjid,
30	Hazi Jafar S/o Sri Bashir Ahmad, Lal Masjid
31	Haji Kalim S.o Sri Zakir Husain, Lal Imli Masjid
32	Javed S/o Sri Abdul Mannan, Kuraghar, Lal Imli Masjid
33	Hazi Anzar S/o Sri Anwar, Hayatnagar
34	Babu Bhai S/o Sri Abiburrahman, Peerjada Lal Imli Masjid
35	Shahid Husain S/o Faiyaj Husain, Lal Imli Masjid
36	Hazi Fajil S/o Sri Kasim, Kuraghar, Peerjada Road,
37	Shahabuddin S/o Sri Ansar, Lal Masjid
38	Moh. Ishhaq S/o Sri Mushtak, Hammam Wali Gali
39	Zarrar Husain S/o Sri Guddu, Moh: Rehmat Nagar
40	Chotey Ali S/o Sri Abdul, Sirsva gaur
41	Moh. Shakir S/o Sri Sajjad, Chakkar ki Milak, Near Gosiya Masjid
42	Moh. Sharif S/o Moh. Shakir, Chakkar ki Milak, Near Gosiya Masjid
43	Moh. Abid S/o Sri Abdul Majid, Chakkar ki Milak, Near Gosiya Masjid
44	Moh. Taslim S/o Sri Abdul Majid, Chakkar ki Milak, Near Gosiya Masjid
45	Hanif S/o Sri Bashir Ahmad, Chakkar ki Milak, Near Gosiya Masjid
46	Sri Ali Ahmad S/o Sri Habib Ahmad, Chakkar ki Milak, Near Gosiya Masjid

47	Moh. Shakir & Moh. Arif S/o Sri Dilawar Husain, Chakkar ki Milak, Near Gosiya Masjid
48	Nabi S/o Sri Habib Ahmad, Chakkar ki Milak, Near Gosiya Masjid
49	Moh. Shakil, Chakkar ki Milak, Near Gosiya Masjid
50	Moh. Shahnawaj S/o Sri Sajjad, Chakkar ki Milak, Near Gosiya Masjid
51	Moh. Yamin & Moh. Jimal S/o Moh. Abdul Rashid, Chakkar ki Milak, Near Gosiya Masjid
52	Kallu Chaudhari, Nawabpura, Chariyon ka Maidan
53	Prem Shankar S/o Sri Sewa Ram, Nawabpura, Chariyon ka Maidan
54	Rohit S/o Sri Subhash, Nawabpura, Chariyon ka Maidan
55	Pratap Singh S/o Late Natthi Singh, Nawabpura, Chariyon ka Maidan
56	Nitu S/o Sri Ram Chand, Nawabpura, Chariyon ka Maidan
57	Rohit S/o Sri Subhash Nawabpura, Chariyon ka Maidan
58	Israr S/o Moh. Yusuf, Miyan Colony, Jayantipur
59	Mohd. Zafar, Makbara-I, Dargah
60	Faheem S/o Sri Naeem, Barbalan, Mugalpura
61	Vikky, Nirariyan, Mugalpura, Nagfani
62	Matloob, Makbara-I, Katghar
63	Bhurey , Mansuri Colony, Majhola
64	Mohd. Faheem, Barbalan, Mugalpura
65	Mohd. Uvesh, Rahamatnagar, Gali No.-1
66	Ashfaq Husain, Mansuri Colony
67	Sabir Husain, Makbara-I, Katghar
68	Abdul Rauf, Makbara-I, Katghar
69	Mohd. Rafeek, Makbara-I, Katghar

70	Afzal, Makbara-I, Katghar
71	Israr Husain, Makbara-I, Katghar
72	Sharif, Nirariyan, Nagfani
73	Golu, Nirariyan, Nagfani
74	Mohd. Kamar, Nirariyan, Nagfani
75	Mohd. Naeem, Barbalan, Mugalpura
76	Abrar, Makbara-I, Katghar
77	Mohd. Anish Ahmad, Narula Kunda
78	Rajeev Agarwal, Basant Vihar
79	Abdul Salam, Makbara-I
80	Mohd. Rizwan, Barbalan
81	Zishan Khan, Mansuri Colony, Majhola
82	Sultan, Makbara-I, Katghar
83	Tahir, Mansuri Colony, Majhola
84	Hazi Alizan, Nirariyan Koni, Nagfani
85	Abid Husain S/o Aslam Ali, Teachers Colony, Jayantipur
86	Tofeeq Ahmad S/o Rafeeq Ahmad, Nawabpura, Daswan Ghat
87	Sri Shanu S/o Zakir Husain, Meenanagar, Jayantipur
88	Mohd. Anees, Transport nagar, Mainather ki puliya
89	Haji Rais S/o Haji Babu, Nawabpura, Guriya Bagh, Gali No.4
90	Haji Kausar S/o Kharulur Rehman, Transport nagar, Mainather ki puliya
91	Sartaj S/o Shabbir Husain, Meena nagar, Jayantipur
92	Bobby Chaudhari S/o Pooran Chaudhari, Nawabpura, Chariyon ka Maidan

93	Mohd. Faheem & Mohd. Kallan S/o Saeed Ahmad, Chakkar ki Milak, Gali No.5
94	Ranjeet S/o Prabhu Singh, Nawabpura, Chariyon ka Maidan
95	Wasim S/o Rafeeq Ahmad, Nawabpura, Guriya Bagh, Gali No. 1
96	Mohd. Gulzar & Mohd. Zulfikar S/o Chotey Khan, Chakkar ki Milak Gali No. 5
97	Mohd. Sadak S/o Abdul Shakoor, Chakkar ki Milak Gali No. 5
98	Mohd. Rasid & Sazid S/o Mohd. Shareef, Chakkar ki Milak Gali No. 3 & 4
99	Pappu Urf Nausad S/o Abdul Wahid, Transport nagar, Mainather ki puliya
100	Mohd. Moeen, Mansuri Colony, Jayantipur
101	Mohd. Dilshad, Mansuri Colony, Jayantipur
102	Saleem S/o Munshi Shabbir, Transport nagar, Mainather ki puliya
103	Mohd. Naeem S/o Hazi Mohd. Irshad, Islamnagar, Karula
104	Mohd. Asif S/o Mohd. Ashraf, Chakkar ki Milak, Gali No. 3 & 4
105	Chuniya urf Raees Ahmad S/o Zahoor Ahmad, Chakkar ki Milak, Gali No.1
106	Mohd. Nazim S/o Mohd. Faheem, Chakkar ki Milak, Gali No. 3 & 4
107	Mohd. Arif, Meenanagar, NR Aslami Masjid, Jayantipur
108	Kesar Ali Kaddusi, Teachers Colony, Jayantipur
109	<b>Cupola Furnace</b> —M/S Metal Handicrafts,Pandit Nagla, Moradabad

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

The adjacent areas are generally surrounded by residential, commercial and heterogeneous industrial activity and hence these activities do have impact on CEPI score of cluster.

### 3.5 Quantification of the air pollution load and relative contribution by different sources :

-- Could not be assessed.

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

<b>Short Term Action Points (upto 1 year, including continuous activities)</b>			
<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeline</b>	<b>Responsible Agencies/ Stake Holders</b>
3.6 a)	<ul style="list-style-type: none"> <li>• <b>Air Pollution Industrial:</b> Detailed Inventory of total air polluting industries in the region.</li> <li>• <b>Proposed Action Plan for effective control of Air Pollution:</b> Regular Monitoring of Air Pollution Control System with the use of OCEMS in large and medium Industries in order to ensure strict compliance of prescribed Norms.</li> </ul>	Stack Monitoring of Large & Medium units every 06 months and once in a Year for SSI units. (By UPPCB & by individual Industries)	UPPCB & Individual Industries.
<b>Long Term Action Points (more than 1 year)</b>			
<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeline</b>	<b>Responsible Agencies/ Stake Holders</b>
b)	<ul style="list-style-type: none"> <li>• <b>Air Pollution/ Industrial Pollution:</b> 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. 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. To supply and promote the use of cleaner fuel like CNG/PNG, in order to reduce emissions in the industrial</li> </ul>	1 Year	UPPCB/ Individual Industry/ IGL
c)	<ul style="list-style-type: none"> <li>• <b>Introduction of Cleaner Fuel for Industrial Uses:</b> Currently industries are using Coal/Wood/LDO/LSHS as a fuel which emits SPM and SO<sub>2</sub> and other Pollutants. If cleaner fuel such as CNG/PNG is made available to industries the RSPM, SO<sub>2</sub> will be reduced and Ambient Air Quality will be improved. M/S Torrent Gas Moradabad ltd need to expedite there distribution network to supply PNG for</li> </ul>	Gas & Oil Companies are in process of getting more and more industries on board and complete switch over from solid fuel to clean fuel will be done in a time bound Manner.	Gas and Oil Companies

	vehicles as well as industrial & domestic use.		
d)	<ul style="list-style-type: none"> <li>● <b>Clean fuel for vehicles:</b> Sufficient number of CNG stations should be provided to ensure continuous and enough supply of clean fuel.</li> </ul>	01 year / As per plan submitted by Gas Agencies.	RTO & Gas Companies
e)	<ul style="list-style-type: none"> <li>● <b>Installation of Ambient Air Quality Monitoring Stations:</b> At present 02 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. Continuous AAQM Stations need to be set up for monitoring Ambient Air Quality in critical Industrial Zones and also to be monitored manually once in every 02 months on 24 hours basis by UPPCB.</li> </ul>	1 Year	UPPCB and CPCB
f)	<ul style="list-style-type: none"> <li>● <b>Display of AAQMS data:</b> On line display of AAQMS data at two different locations in the area need to be under taken by Industries Association and UPPCB</li> </ul>	1.5 Years	Industries /UPPCB & CPCB
g)	<ul style="list-style-type: none"> <li>● <b>Use of Cleaner fuel:</b> Time frame to be chalked out by RTO for conversion of all Commercial vehicles such as Auto Rickshaws, small goods vehicles &amp; School Busses into CNG.</li> </ul>	01 Year	Transport Department in consultation with Oil & Gas Companies
h)	<ul style="list-style-type: none"> <li>● <b>Development of Green Belt:</b> Should develop Green belt from upto 40% of the total area.</li> </ul>	Ongoing	Dept. of Industries /Forest Dept. & Concerned Industries

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

Number of manual AQ monitoring station	Number of CAAQMS	Total Monitoring station
02	01	03



Sr.No.	Location/Station	Location Code
1	Buddh Bazar	A1
2	Police training Centre, Kanth, road	A2
3	Maharaja Harishchandra degree College, Lajpat Nagar	A3



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

S. No.	Pollution Sources	Category	APCS installed(Y/N)
1	Various Industries	Red/Orange	Y

### 3.6.3 Technological intervention

#### 3.6.3.1 Inventorization of prominent industries with technological gap

#### Red Category-

S. No	Name & Address of Industry	Type	Location		APCS Installed (Y/N)
			Latitude of Industry	Longitude of Industry	
1	2	3	4	5	6
1	A to Z Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°50'15.90"	78°44'45.21"	Y
2	A.C. Brothers Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'30.29"	78°43'18.96"	Y
3	Akanksha International Lakri Fazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'26.99"	78°26'36.99"	Y
4	Asian Handicraft, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'57.09"	78°47'23.67"	Y
5	Bansal Impex, Rampur Road, Moradabad	Metal Surface Treatment	28°49'15.76"	78°47'31.78"	Y
6	Bhatia Silver Wares, Behind Akansha Automobiles, Delhi Road	Metal Surface Treatment	28°49'36.67"	78°43'28.21"	Y
7	Brasage, Minibypass, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'05.93"	78°44'09.21"	Y
8	Brasco International, Katghar, Moradabad	Metal Surface Treatment	28°49'20.25"	78°46'23.64"	Y
9	Dapper Exports, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'04.03"	78°44'06.49"	Y
10	Decorative Crafts, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	28°49'00.91"	78°43'53.52"	Y

11	Deepak Corporation, Delhi Road,, Moradabad	Metal Surface Treatment	28°49'32.70"	78°43'35.87"	Y
12	Dewan Sons Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'32.40"	78°43'14.04"	Y
13	Designco, Lakrifazalpur, Delhi Road	Metal Surface Treatment	28°49'31.20"	78°43'14.79"	Y
14	Dynamic Exports, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'10.33"	78°43'27.90"	Y
15	GLOBE EXPORT CORPORATION Delhi Road, Moradabad	Metal Surface Treatment	28°82'55.47"	78°72'49.89"	Y
16	East Coast Industries, Pandit Nagla, Moradabad	Metal Surface Treatment	28°48'17.49"	78°46'38.88"	Y
17	Ellen Export, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'16.25"	78°43'29.57"	Y
18	Exotic India, Delhi Road , Moradabad	Metal Surface Treatment	28°49'42.36"	78°44'03.24"	Y
19	Fantasy Export, Delhi Road, Moradabad	Metal Surface Treatment	28°49'42.68"	78°44'02.65"	Y
20	Garg Sons Exports, Rampur Road, Moradabad	Metal Surface Treatment	28°49'16.52"	78°47'04.62"	Y
21	Globe Artware Impex Pvt. Ltd., Niryat Nagar, Delhi Road , Moradabad	Metal Surface Treatment	28°49'37.26"	78°43'54.98"	Y
22	Goyal India, Delhi Road, Moradabad	Metal Surface Treatment	28°49'40.51"	78°43'41.97"	Y
23	Gyaneshwar Saran & Sons, Delhi Road, Moradabad	Metal Surface Treatment	28°49'40.17"	78°43'37.70"	Y

24	Hansa Agencies P Ltd., Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'21.91"	78°43'25.91"	Y
25	Samlan International, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°50'10.83"	78°45'58.02"	Y
26	Horizon Impex unit-1 Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'21.72"	78°43'22.92"	Y
27	Highlands Export, Delhi Road, Moradabad	Metal Surface Treatment	28°49'30.57"	78°42'14.14"	Y
28	Impression India Export, Lakri Fazalpur mini by pass, Moradabad	Metal Surface Treatment	28°49'15.78"	78°43'50.84"	Y
29	International Link, Harthala, Moradabad	Metal Surface Treatment	28°52'35.12"	78°44'14.42"	Y
30	Interseas Traders, Delhi Road, Moradabad	Metal Surface Treatment	28°49'47.89"	78°44'20.78"	Y
31	J.O. Exports, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'44.90"	78°47'16.85"	Y
32	Jade Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'32.69"	78°43'35.86"	Y
33	Kishori Ji Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'57.22"	78°44'39.75"	Y
34	Kohinoor Craft, Sambhal Road, Moradabad	Metal Surface Treatment	28°50'12.53"	78°46'45.73"	Y
35	Kumar International, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'19.72"	78°43'28.83"	Y
36	Degignco Unit-4 Lakri fazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°82'33.80"	78°72'33.25"	Y

37	Designco Unit-3 (Lohia Brass Pvt.Ltd.) Lakri Fazalpur, Mini By Pass	Metal Surface Treatment	28°49'32.88"	78°43'14.61"	Y
38	Mahesh Chandra & Brothers, Delhi Road , Moradabad	Metal Surface Treatment	28°49'55.80"	78°44'37.80"	Y
39	Marque Impex, Sambhal Road, Moradabad	Metal Surface Treatment	28°49'59.68"	78°46'02.20"	Y
40	Meba Brass, Pandit Nagla, Mini By Pass, Moradabad	Metal Surface Treatment	28°48'19.42"	78°46'09.19"	Y
41	Mehrotra Impex , Niryat Nagar, Moradabad	Metal Surface Treatment	28°49'34.83"	78°43'51.40"	Y
42	MH Export, Sambhal Road, Moradabad	Metal Surface Treatment	28°48'11.86"	78°45'59.49"	Y
43	Nodi Exports, Delhi Road, Moradabad	Metal Surface Treatment	28°49'55.40"	78°44'07.33"	Y
44	Object D Art India, Rampur Road, Moradabad	Metal Surface Treatment	28°49'16.81"	78°47'01.54"	Y
45	Paragon Metal Industries, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'16.56"	78°43'36.51"	Y
46	Parkland Export, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'07.93"	78°43'56.90"	Y
47	Parth Overseas, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'34.34"	78°43'37.81"	Y
48	Quality Products of India, Delhi Road, Moradabad	Metal Surface Treatment	28°49'41.71"	78°43'38.64"	Y
49	Ganaga Handi craft, Zero Point, Delhi Road , Moradabad	Metal Surface Treatment	28°82'66.85"	78°69'44.05"	Y
50	R.S. Exports, Rampur Road, Moradabad	Metal Surface Treatment	28°49'14.39"	78°47'04.03"	Y
51	Rajan Oversease, Lakri Fazalpur, Mini By Pass, Moradabad	Metal Surface Treatment	28°49'02.78"	78°50'10.61"	Y

52	Rashid Exports, Pandit Nagla By Pass,, Moradabad	Metal Surface Treatment	28°48'20.72"	78°46'12.09"	Y
53	Sainik Enterprises, Khushalpur Road, Moradabad	Metal Surface Treatment	28°50'04.15"	78°44'57.68"	Y
54	Saurabh Sagar Builder & Developers Pvt. Ltd., Moradabad	Metal Surface Treatment	28°49'09.03"	78°38'15.77"	Y
55	Shri Krishna Impex, Lakri Fazalpur, Moradabad	Metal Surface Treatment	28°49'19.20"	78°43'29.88"	Y
56	Shri Nathji Export, Opposite Hotel Park Square, Delhi Road	Metal Surface Treatment	28°49'59.88"	78°44'47.34"	Y
57	Kishoriji Exim Pvt. Ltd., Niryat Nagar, Delhi Road, Moradabad	Metal Surface Treatment	28°49'38.28"	78°43'55.90"	Y
58	Stalwart Trendz, Delhi Road, Moradabad	Metal Surface Treatment	28°49'45.12"	78°44'00.18"	Y
59	STALWART HOMESTYLES, LAKRI FAZALPUR TIRAHA, RTO OFFICE ROAD, MINI BYPASS, DELHI ROAD, TEHSIL AND DISTRICT-MORADABAD, U.P.	Metal Surface Treatment	28°79'.73.61"	78°78'06.49"	Y
60	Universal Arc Enterprises, Rampur Road, Moradabad	Metal Surface Treatment	28°50'01.79"	78°49'56.46"	Y
61	Usha Exports, Lakri Fazalpur Mini By Pass, Moradabad	Metal Surface Treatment	28°49'27.60"	78°43'17.11"	Y
62	Vallabh Metal Ink, Delhi Road, Moradabad	Metal Surface Treatment	28°49'15.45"	78°43'30.77"	Y
63	Venus India, Lakrifazalpur, Delhi Road, Moradabad	Metal Surface Treatment	28°49'41.68"	78°43'43.77"	Y
64	Zakaria Shahid & Sons, Sambhal Road, Moradabad	Metal Surface Treatment	28°47'51.47"	78°45'47.89"	Y
65	UNRIVALED DESIGN GROUP Lane No-2, Behind Hotel Drive IN 24, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P.	Metal Surface Treatment			Y

66	RR OVERSEAS, Gata No-1117, 1119, 1125, LakriFazalpur, Niryat Nagar, Opposite Circuit Hous, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Metal Surface Treatment			Y
67	M R IMPEX Khasra No-1681, 1692, 1693, 1694, 1695, 196, Village-LakriFazalpur, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment			Y
68	QUALITY EXPORTS, LakriFazalpur, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Metal Surface Treatment			Y
69	GLOBE METAL AND GLASS EXPORTS, 5th K.M. Stone, LakriFazalpur, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Metal Surface Treatment	28°82'51.47"	78°72'47.89"	Y
70	GODGIFT INTERNATIONAL, MAUJA BASANTPUR RAMRAI, RAMPUR ROAD, MORADABAD	Metal Surface Treatment			Y
71	DESIGN CRAFT INDUSTRIES, Delhi Road, Opp. Hotel Rahi, Moradabad, MORADABAD, 244001	Metal Surface Treatment			Y
72	MARQUE IMPEX UNIT II, Khasra No-171, Mohammadpur Bastaur, Opposite Village Noorpur, Chandausi Road, Tehsil-Bilari, District- Moradabad, U.P.	Metal Surface Treatment			Y
73	Siddhi Handicrafts, Lakrifazalpur, Moradabad, 244001	Metal Surface Treatment			Y
74	HUSSNAIN INTERNATIONAL INDIA EXP, Rampur Road, Near Dear Park, Tehsil-Sadar, District- Moradabad, U.P., 244001	Metal Surface Treatment			Y
75	KANHYA LAL NIRMAL KUMAR TRADERS PVT LTD, Niryatnagar, Delhi Road MORADABAD, 244001	Metal Surface Treatment			Y
76	SHRI KRISHNA BOARD MILLS, VILLAGE-LAKRI FAZALPUR, MINI BYPASS, DELHI ROAD, TEHSIL AND DISTRICT-MORADABAD, U.P. 244001,	Board Mill			Y

77	CATLARRY EXPORTS, BEHIND RELIANCE PUMP, LAKRI FAZALPUR, DELHI ROAD, TEHSIL AND DISTRICT-MORADABAD, U.P. 244001	Metal Surface Treatment			Y
78	VALLABH METAL INC UNIT 2, KHASRA NO-3339/8A etc. VILLAGE-LAKRI FAZALPUR, DELHI ROAD, NEAR HINDUSTAN PRESS, MORADABAD, U.P. 244001	Metal Surface Treatment			Y

### Orange Category-

Sr. No.	Name and Address of the Industry	Type	APCS Installed (Y/N)
1.	Shivom International, Rampur Road, Moradabad	Buffing/Polishing	Y
2.	Creative Design Prem Nagar, Kanth Road, Moradabad	Buffing/Polishing	Y
3.	Gift International Lakri Fazalpur, Minibypass, Moradabad	Buffing/Polishing	Y
4.	M.S. Overseas Peetal Basti, Rampur Road, Moradabad	Buffing/Polishing	Y
5.	Digvijay Metal Delhi Road, Moradabad	Buffing/Polishing	Y
6.	Metal India Old Rampur Road, Moradabad	Buffing/Polishing	Y
7.	S.K. Export Majholi, Delhi Road, Moradabad	Buffing/Polishing	Y
8.	Lamba Tools (P) Ltd. Lakrifazalpur, Moradabad	Machines Production	Y
9.	Alviras Exports, Lakri Fazalpur, Delhi Road, Moradabad	Buffing/Polishing	Y

10.	SUNRISE HANDICRAFTS, Opposite Circuit House, Delhi Road, Tehsil- Moradabad, District- Moradabad, U.P. 244001	Buffing/Polishing	Y
11.	Oliver Design Harthala Industrial Area, Moradabad	Buffing/Polishing	Y
12.	City Craft Mau Harthala, Moradabad	Buffing/Polishing	Y
13.	Exotic Agro Delhi Road, Moradabad	Mentha	Y
14.	Overseas Handicraft Prem Nagar, Kanth Road, Moradabad	Buffing/Polishing	Y
15.	H. Lal & Sons Delhi Road, Niryat Nagar, Moradabad	Buffing/Polishing	Y
16.	Wajeerchand Majholi, Delhi Road, Moradabad	Buffing/Polishing	Y
17.	Premier Collection Peetal Basti, Rampur Road, Moradabad	Buffing/Polishing	Y
18.	G & S Exports Delhi Road, Moradabad	Buffing/Polishing	Y
19.	Saran Impex Lodhipur Rajput, Moradabad	Buffing/Polishing	Y
20.	Singhal Thermopac Pandit Nagla, Bypass, Moradabad	Thermacol	Y
21.	M GOEL OVERSEAS, Vatika City, Near Gagan Pull, Delhi Road, Moradabad	Buffing/Polishing	Y
22.	INNOVATIVE IMPEX, AGWANPUR, Moradabad	Buffing/Polishing	Y



23.	PRAKASH WOOLEN & SYNTHETIC MILLS LIMITED,VILLAGE-MANGUPURA, POST-PAKBARA, DELHI ROAD, DISTRICT-MORADABAD, U.P., 244001	Cotton	Y
24.	BHAGYA SHREE FOOD PRODUCTS (OLD NAME-M/S HARE KRISHNA FOOD KHUSHALPUR ROAD, MORADABAD Moradabad	Food Processing	Y
25.	NY METAL SOLUTIONS	Non Ferrous	Y
26.	LAKSHMI INTERNATIONAL, Lakrifazalpur,Moradabad	Buffing/Polishing	Y
27.	SHIVOM OVERSEAS EXPORT,8/31, OLD RAMPUR ROAD, GULAB BARI, KATGHAR, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing	Y
28.	PROGRESS ENTERPRISES (UNIT-II),PLOT NO-D-36A, HARTHALA INDUSTRIAL ESTATE, KANTH ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing	Y
29.	ANAND ENTERPRISES-I,VILLAGE-AGWANPUR, KANTH ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing	Y
30.	MORADABAD INFRASTRUCTURE DEVELOPMENT PVT. LTD.,LAKRI FAZALPUR, DELHI ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing	Y

31.	DESIGNER SMITH INC.,PANDIT NAGLA, NEAR MINI BYPASS, ON BALDEVPURI ROAD, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing	Y
32.	SELECT HANDICRAFTS,NEAR RTO OFFICE, LAKRI FAZALPUR, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing	Y
33.	OMEX TRADING CO.,OMSONS HOUSE, RAMPUR ROAD, KATGHAR, DISTRICT-MORADABAD, U.P., 244001	Buffing/Polishing	Y
34.	SAI CREATIONS,PEETAL NAGRI RAMPUR ROAD, TEHSIL-SADAR, DISTRICT- MORADABAD, U.P., 244001	Buffing/Polishing	Y
35.	MAA SHEETLA AUTO WHEELS PVT. LTD.,OPPOSITE AKANKSHA AUTOMOBILES, LAKRI FAZALPUR ROAD, DISTRICT- MORADABAD, U.P., 244001	Automobile servicing center	Y
36.	JBK INTERNATIONAL Behind Akanksha Automobiles, Lakrifazalpur, Delhi Road, District- Moradabad, U.P., 244001	wooden Artware	Y

37.	BHARAT ELECTROPLATERS & EXPORTERS, OPPOSITE EKTA VIHAR COLONY, RAMPUR ROAD, DISTRICT- MORADABAD, U.P., 244001	Buffing/Polishing	Y
38.	Garvik International, Lakri Fazalpur Industrial Area, Near Water Tank, Delhi Road, DISTRICT- MORADABAD, U.P., 244001	Buffing/Polishing	Y
39.	ARJUN VASU AUTOMOBILES PVT. LTD. 5th K.M. STONE, NEAR MODERN PUBLIC SCHOOL, DELHI ROAD, DISTRICT- MORADABAD, U.P., 244001	Automobile servicing center	Y
40.	GANGA FOUNDATION 31, Old Rampur Road, Gulab Bari Katghar, DISTRICT- MORADABAD, U.P., 244001	Buffing/Polishing	Y
41.	SAI ART IMPEX INDIA Lakri Fazalpur Bypass, Opposite Hindustan Press, Tehsil-Sadar, DISTRICT- MORADABAD, U.P., 244001, MORADABAD, 244001	Buffing/Polishing	Y
42.	E S ENTERPRISES, Govind Nagar, Rampur Road, Opposite Prabhat Market, Tehsil-Sadar, District- Moradabad, U.P., 244001, MORADABAD, 244001	Buffing/Polishing	Y

43.	LOHIA BRASS PRIVATE LIMITED, LAKRI FAZALPUR, DELHI ROAD, MORADABAD, MORADABAD, 244001	Ferrous and non ferrous metal	Y
44.	INTER LINKS, D-46 And 47, Harthala Industrial Area, Kanth Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001,	Buffing/Polishing	Y
45.	VALLABH BHAIKAV Lakri Fazalpur, T-Point, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P., 244001	Non Ferrous	Y
46.	ATUF INDUSTRIES OLD NAME INNOVATIVE IMPEX, Village-Aghwanpur, Tehsil-Moradabad, District-Moradabad, U.P., 244001	Buffing/Polishing	Y
47.	SAGA STEELS, Hanuman Murti, Pandit Nagla, Bypass, Tehsil-Sadar, District-Moradabad, U.P., 244001	Buffing/Polishing	Y
48.	DIGVIJAY EXPORTS, Delhi Road, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Buffing/Polishing	Y
49.	FLORA INTERNATIONAL Gata No-125, Village-Dehri Mustakam, 54 Nagla Road, Tehsil-Sadar, District-Moradabad, U.P. 244001	Buffing/Polishing	Y
50.	GIFT LAND EXPORTS ORIENTATION, Suraj Nagar, Peetal Nagri, Rampur Road, Tehsil-Moradabad, District-Moradabad	Buffing/Polishing	Y

51.	EXPRESSION OF INDIA Khata No-505, Gata No-784, 785, Village-Bhainsiya, Tehsil-Moradabad, District-Moradabad, U.P. 244001	Buffing/Polishing	Y
52.	BROADWAY EXPORTS INC Mahlakpur-Dingarpur Road, Near SEZ Industrial Area, Pakbara, Tehsil-Sadar, District-Moradabad, U.P. 244001	Buffing/Polishing	Y
53.	DESIGNER IMPEX Behind Hanuman Murti, Pandit Nagla ByPass Road, Tehsil-Sadar, District-Moradabad, U.P. 244001	Buffing/Polishing	Y
54.	ADITI ARTS Gata No-2094/1, 2100, Village-Mughalpura Urf Aghwanpur, Tehsil And District-Moradabad, U.P.	Buffing/Polishing	Y
55.	PAL AND SONS EXPORT, Khasra No-2111, 2115, Near Reliance Petrol Pump, Behind 400 KV Power Station, Delhi Road, Tehsil And District-Moradabad, U.P. 244001	Buffing/Polishing	Y
56.	DESIGNCO UNIT II Designco Unit II Lakri Fazalpur Delhi Road Moradabad 244001	Carpentry & wooden furniture manufacturing	Y
57.	Designer Impex Pandit Nagla, Mini By pass, Moradabad	Buffing and Polishing	Y
58.	KLK International Peetal Nagri, Moradabad	Buffing and Polishing	Y
59.	Sam International , Pandit Nagla, Moradabad	Buffing and Polishing	Y

60.	Vorka Impex, Barbalan Road, Katghar, Moradabad	Buffing and Polishing	Y
61.	Rajkamal Overseas, Prabhat Market, Rampur Road	Buffing and Polishing	Y
62.	Zed Impex, Ekta Vihar, Ekta Vihar, Rampur Road, Moradabad	Buffing and Polishing	Y
63.	C.L. Gupta & Sons Rampur Road, Moradabad	Buffing and Polishing	Y
64.	Finesco International Old Rampur Road, Moradabad	Buffing and Polishing	Y
65.	Om Sons Industries Pvt. Ltd., Rampur Road, Moradabad	Buffing and Polishing	Y
66.	Om Sons, Rampur Road, Moradabad	Buffing and Polishing	Y
67.	Indra Deco Corporation, Mau Harthala Industrial Area, Kanth Road, District-Moradabad, U.P. 244001,	Buffing and Polishing	Y
68.	HM INTERNATIONAL, Lakri Fazalpur, Mini ByPass, Delhi Road, Tehsil District-Moradabad, U.P.	Buffing and Polishing	Y
69.	H R OVERSEAS, Lakri Fazalpur Mini ByPass, Near CNG Pump, Tehsil And District-Moradabad, U.P.	Buffing and Polishing	Y
70.	SHANU METAL INDUSTRIES, Transport Nagar, Behind RTO, Delhi-Sambhal ByPass Road, Tehsil And District-Moradabad, U.P. 244001	Buffing and Polishing	Y

71.	SS INTERNATIONAL, Khasra No-1595, LakriFazalpur, Mini ByPass, Delhi Road, Tehsil And District- Moradabad, U.P. 244001	Buffing and Polishing	Y
72.	WAZIR CHAND IMPEX INDIA, Delhi Road Lakri Fazalpur, Mini By Pass, Moradabad, MORADABAD, 244001	Buffing and Polishing	Y
73.	AANYA DESIGNS, 5th Km Opposite Modern Public School Delhi Road Moradabad 244001	Buffing and Polishing	Y
74.	MAIRAJ BROTHERS, Gata No-772, Village- Mohammadpur Bastaur, Sambhal Road, Tehsil-Bilari, District-Moradabad, U.P. 244411	Buffing and Polishing	Y
75.	DBA EXPORT INDIA PVT LTD LAKRI FAZALPUR, NEAR HINDUSHTAN PRESS, DELHI ROAD MORADABAD ,244001	Buffing and Polishing	Y

### 3.6.3.2 Identification of low cost and advanced cleaner technology for air pollution control:

Wet Scrubber

### 3.6.3.3 Introduction and switch over to cleaner fuel

The industries have already switched over to low Sulphur & low Ash content fuels. However, in the case of medium & small scale industries, which use cheaper biomass & other fuels, the UPPCB would identify possibilities and pursue such industries to switchover to cleaner fuel. M/S Torrent Gas Moradabad Ltd has established the PNG Network to supply PNG in Lakdi Fazalpur ,Delhi Road , Kanth Road areas to 71 industries/commercial institutions. This company has now and has

proposed to expand the PNG network to provide PNG to the metal furnaces in the city area.

### **3.6.4 Need of infrastructure renovation**

**3.6.4.1 Development of roads: Identification of damaged roads which needs repairment and maintenance:**

All the roads inside cluster/impact zone are paved and do not need the repair.

**3.6.5 Impact on CEPI score after installation/ commissioning of fully fledged air pollution control systems**

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

**3.6.6.1 Cost and time estimates:**

**3.6.6.2 Identified private/ sector potential investors and their contribution/ obligations:**

M/S Torrent Gas Moradabad Ltd has established the PNG Network to supply PNG in Lakdi fazalpur ,Delhi Road , Kanth Road areas to 71 industries/commercial institutions.This company has now and has proposed to expand the PNG network to provide PNG to the metal furnaces in the city area.

**3.6.6.3 Government budgetary support requirement**

S. No.	Amount of budget allocated to CEPI area	Remarks
1	Nil	NA

**3.6.6.4 Hierarchical and structured managerial system for efficient implementation**

The UPPCB in consultation with CPCB will oversee the implementation of finalized action plan.

**3.6.7 Self monitoring system in industries**

No such type of industries available in the study area

S. No.	Industries	Category	APCS/APCDs installed(Y/N)
1	Nil	NA	NA



### 3.6.8 Data linkages to SPCB/ CPCB (OCEMS)

S. No.	Industries	Category	Data linkage (Y/N)
1	Nil	NA	NA

### 3.6.9 AAQM Status of Districts

No industry has installed the online monitoring system in the study area

S. No.	NAME AND ADDRESS OF THE INDUSTRY	PHONE NUMBER	NUMBER OF AAQM INSTALLED	PARAMETERS MONITORED
1	NA	NA	NA	PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> & CO
				PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , CO, Ammonia, Benzene, Ozone

#### 4. Land Environment (Soil and ground water)

##### 4.1 Soil contamination

4.1.1 Present status of land environment supported with minimum one-year data:

S. No.	Cluster	Months(2019)	Present status	Condition
1				
2				

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

S. No.	Locations identified	Coordinates		Distance and direction
		Latitude	Longitude	
1	Bank of river Ramganga,Barbalan	28.830101	78.796757	2.87 KM South West
2	Bank of river Ramganga,Nawabpura	28.841795	78.788845	1.60 KM South West
3	Bank of river Ramganga,Daswaghat	28.844384	78.787236	1.40 Km South West
4	Bank of river Ramganga,Lalbagh	28.842810	78.788382	1.40 Km South West

4.1.3 Present levels of pollutants in land / soil and ground water

Sampling Date- - 21-02-2020 (Source -India Mark- II Handpump)

S.No	Location	Sampling Point	pH	Colour (Hazen Unit)	TDS (mg/L)	Hardness as CaCO <sub>3</sub> (mg/L)	Calcium as Ca <sup>++</sup> (mg/L)	Magnesium as Mg <sup>++</sup> (mg/L)	Nickel as Ni (mg/L)	Iron as Fe (mg/L)	Copper as Cu (mg/L)
1	28.833546, 78.809583	M/s Nikah Marriage Hall, Gali No. 5, Barbalan,	7.12	Colourless	510.0	290.0	84.80	18.72	0.22	< 0.05	< 0.10
2	28.840774, 78.788997	Premise of Kali Mata Mandir	7.23	Colourless	360.0	170.0	53.60	8.64	0.21	0.15	< 0.10
3	28.843092, 78.786327	Mandir Ashram Jauhar Deewan, Nawabpur (Purvi Madhi)	7.06	Yellowish	560.0	274.0	81.60	16.80	0.16	0.58	0.08
4	28.848906, 78.780319	Old Kali Mandir, Daswan Ghat	7.36	Colourless	320.0	216.0	48.80	22.56	0.19	0.14	0.06
<b>Standard As Per BIS 10500:2012 (Acceptable Limit)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>500.00</b>	<b>200.00</b>	<b>75.00</b>	<b>30.00</b>	<b>0.02</b>	<b>0.3</b>	<b>0.05</b>
<b>Standard As Per BIS 10500:2012 (Permissible Limit)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>500.00</b>	<b>200.00</b>	<b>75.00</b>	<b>30.00</b>	<b>0.02</b>	<b>0.3</b>	<b>0.05</b>

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
1			
2			

4.1.5 Sources of soil contamination

S. No.	Sources	Coordinates		Distance and direction
		Latitude	Longitude	
1				

**4.1.6. Types of existing pollution:**

Now the entire affected area of the bank of river Ramganga has been cleaned and earlier dumped black powder (hazardous waste) has been stored scientifically prepared site at trenching ground, Gulabbadi, Rampur Road, Moradabad, which shall be finally disposed off through the TSDF.

**4.1.7. Remedies for abatement, treatment and restoration of normal soil quality:**

Now the entire black powder dumped earlier at the bank of river Ramganga has been removed. The dust (25186 MT Black powder) generated from illegal E waste Processing, dumped at the bank of Ramganga River in different locations had been transferred and temporarily stored at MSW Dumping Ground, Gulabbadi, Moradabad in the year 2018-2019. That dust will be finally disposed off through TSDF.

## 4.2 Ground water contamination

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

S. No	Cluster	Months	Observed Values							
			pH	TDS (mg/l)	Hardness (mg/l)	Calcium as Ca++ (mg/l)	Magnesium as Mg++ (mg/l)	Nickel (mg/l)	Iron (mg/l)	Copper (mg/l)
1	Near Kali Temple, Lalbag	May-2019	7.4	345.0	160.0	42.40	12.96	0.36	BDL	BDL
		Sept-2019	7.30	321.0	168.0	43.20	14.40	0.3	0.03	0.03
		Nov-2019	7.10	320.0	172.0	44.0	14.88	0.2	0.06	0.04
		Feb-2020	7.0	370.0	174.0	44.80	14.88	0.26	0.08	0.08
2	Near Katghar Drain, Katghar	May-2019	7.5	278.0	162.0	45.60	11.52	0.11	BDL	BDL
		Sept-2019	7.65	356.0	170.0	46.40	12.96	0.14	BDL	0.01
		Nov-2019	7.30	300.0	180.0	48.0	14.40	0.12	BDL	BDL
		Feb-2020	7.40	330.0	188.0	48.80	15.84	0.18	BDL	BDL
3	Premise of Chamunda Temple	May-2019	7.20	380.0	160.0	47.20	10.08	0.3	BDL	BDL
		Sept-2019	7.31	412.0	168.0	48.80	11.04	0.41	0.11	0.06
		Nov-	7.40	400.0	174.0	50.40	11.52	0.51	0.14	0.08

		<b>2019</b>								
		<b>Feb-2020</b>	<b>7.3</b>	<b>440.0</b>	<b>180.0</b>	<b>52.0</b>	<b>12.00</b>	<b>0.65</b>	<b>0.04</b>	<b>0.06</b>
4	In front of UP State Agro Industrial cooperation Ltd, Harthala Industrial Area, Moradabad	<b>May-2019</b>	<b>7.60</b>	<b>415.0</b>	<b>264.0</b>	<b>70.4</b>	<b>21.12</b>	<b>1.08</b>	<b>0.38</b>	<b>0.12</b>
		<b>Sept-2019</b>	<b>7.36</b>	<b>472.0</b>	<b>272.0</b>	<b>72.80</b>	<b>21.60</b>	<b>1.12</b>	<b>0.47</b>	<b>0.09</b>
		<b>Nov-2019</b>	<b>7.20</b>	<b>430.0</b>	<b>280.0</b>	<b>74.0</b>	<b>22.56</b>	<b>1.32</b>	<b>0.32</b>	<b>0.12</b>
		<b>Feb-2020</b>	<b>7.10</b>	<b>490.0</b>	<b>290.0</b>	<b>76.0</b>	<b>24.0</b>	<b>1.46</b>	<b>0.38</b>	<b>0.11</b>

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

S. Nos.	Sources identified	Coordinates		Distance and direction
		Latitude	Longitude	
1	Near Kali Temple, Lalbag	<b>28.840656</b>	<b>78.789101</b>	1.77 km East
2	Near Katghar Drain, Katghar	<b>28.826117</b>	<b>78.797997</b>	3.34 km South East
3	Premise of Chamunda Temple, Infront of Horizan Impax, Lakri Fazalpur	<b>28.822411</b>	<b>78.726160</b>	5.13 km South West
4	In front of UP State Agro Industrial cooperation Ltd, Harthala Industrial Area, Moradabad	<b>28.877815</b>	<b>78.737212</b>	4.92 km North West

#### 4.2.3. Ground water quality monitoring program

S. Nos	Sampling Locations	Coordinates	Frequency	Parameters tested
1	Near Kali Temple, Lalbag	28.840656, 78.789101	Quarterly	pH,TDS, Cl ,Total Hardness, Mg <sup>+</sup> ,Ca <sup>+</sup> , Ni,Fe,Cu
2	Near Katghar Drain, Katghar	28.826117, 78.797997	Quarterly	pH,TDS, Cl ,Total Hardness, Mg <sup>+</sup> ,Ca <sup>+</sup> , Ni,Fe,Cu
3	Premise of Chamunda Temple, Infront of Horizan Impax, Lakri Fazalpur	28.822411, 78.726160	Quarterly	pH,TDS, Cl ,Total Hardness, Mg <sup>+</sup> ,Ca <sup>+</sup> , Ni,Fe,Cu
4	In front of UP State Agro Industrial cooperation Ltd, Harthala Industrial Area, Moradabad	28.877815, 78.737212	Quarterly	pH,TDS, Cl ,Total Hardness, Mg <sup>+</sup> ,Ca <sup>+</sup> , Ni,Fe,Cu

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

Short Term Action Points (up to 1 year, including continuous activities)			
Sr. No.	Action Points	Timeline	Responsible Agencies/ Stake Holders
a)	<b>Land Pollution</b> Proper Storage & Disposal of Hazardous Waste & Solid Waste.	To send waste every 03/04 months	Individual Industry

<b>Long Term Action Points (more than 1 year)</b>			
<b>Sr. No.</b>	<b>Action Points</b>	<b>Timeline</b>	<b>Responsible Agencies/ Stake Holders</b>
b)	<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 for different metals like Pb, Cr, Cu, Fe etc. twice a year through recognize laboratory.	01 Year	UPPCB

#### 4.2.5. Treatment and management of contaminated ground water bodies etc:

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

S. No.	CEPI score before	CEPI score after	Percent improvement

### 4.3 Solid Waste Generation and Management:

#### 4.3.1. Waste Classification and Quantification

S. no.	Source	Category	Quantity
1	Domestic/Commercial	Municipal Solid Waste	412 MT/Day

#### 4.3.1.1. Hazardous Waste

S. no.	Source	Quantity
1	Industrial	66 MTD

#### 4.3.1.2 Bio-Medical Waste

S. no.	No. of CBWTF	Quantity	Authorization
1	02  (Situated outside the cluster/impact zone)	478 Kg/Day	117

#### 4.3.1.3 Electronic Waste

The e-waste generation from the bulk consumers is very minimum in the core & impact zone of the study area, since there are no producers and

manufacturers of electronic items listed in Schedule-I of e-waste Rules, 2016. There is 01 e-waste dismantling & recycling industry engaged in procurement of e-waste generating within and outside the study area.

S. no.	No. of Electronic waste treatment facility	Quantity
1	01	750 MT/Annum

#### 4.3.1.4 Municipal Solid Waste/ Domestic Waste/ Sludge Fro STPs/ETPs/CETPs and Other Industrial Sources

S. No.	Type of Pollution Sources	% OF Waste Generated
1	Domestic/Commercial	86
2	Hazardous waste	13.8
3	Biomedical Waste	0.2

#### 4.3.1.5 Plastic Waste

Sr. No.	No. of Plastic waste Processing facility	Quantity	Authorization	Compliance status
1	Nil	Nil	NA	1

#### 4.3.1.6 Construction and Demolition Waste

S. No.	No. of C&D waste Processing facility	Quantity	Authorization	Compliance status
1	NIL	NA	NA	NA



#### 4.3.1.7 Quantification Of Waste And Relative Contribution From Different Source

S.no.	Pollution source	Type of Wastes	Relative Contribution
1	Industries	Hazardous waste	66 MT/Day
2	Health care facilities	Biomedical Waste	0.478 MT/Day
3	Domestic/Commercial	Municipal Solid Waste	412 MT/Day

#### 4.3.2. Identification of Waste Minimization and Waste Exchange Options:

Material recovery facilities-02 installed and 35 proposed.

#### 4.3.3. Reduction/Reuse/ Recovery/ Recycle Options in the Co-Processing of Waste:

Bio Compost pit installed 08 and proposed 37.  
MSW processing unit proposed- 01 (300 MTD).

#### 4.3.4. Infrastructure Facilities:

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

There are no TSDF and incineration facility in the study area. Accordingly, the industries are ensured to dispose the Hazardous waste to three nos. of TSDF facility and common incineration facility located outside the study area.

S.no.	Tsdf/Incineration Facilities	Capacity	Location
1	M/S Bharat oil & waste management Pvt.	14000 MT/Annum	Vill- Kumbhi, Tesil Akbarpur, Dist Kanpur Dehat
2	M/S U.P. Waste Management Project(A Ramky Enviro Engineers)	50000 MT/Annum	Plot-672,NH-2 Sikandra Road, Vill-Kumbhi, Tesil Akbarpur, Dist Kanpur Dehat
3	M/S Bharat oil & waste management Pvt.	21000 MT/Annum	18,Site-4,Sahibabad Industrial Area

**4.3.4.2. Present Status / Performance and Need up Gradation Of Existing Facilities Including Enhancement Of Capacities:**

Establishment of Common solid waste disposal facility particularly for bio-degradable waste within the study area for final disposal of non-hazardous solid waste in scientific manner is required.

1. **Treatment And Management Of Contaminated Waste Disposal Sites Etc:**  
There is no such treatment facility available in the study area.
2. **Impact On CEPI Score After Proper Management Of Solid Waste**  
After implementing scientific solid waste management measures CEPI score will come down substantially.

**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.

No Such plan has been identified.

- a. Identification of Stakeholders/agencies to be involved and to evolve financial managerial mechanism for implementation of PPP projects.

---- N.A.

**6. 0 Other infrastructural Renewal measures:**

**6.1. Green belts**

S. Nos.	Green Belt Developed/ upcoming Green belts	Area	Features
1	As Per Moradabad Mahayojna 2021	347.36 Ha	Parks,open spaces etc.

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

**No such proposal**

S. No.	Development of Industrial Estates	Area	Features
1	Nil	NA	NA

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

**No such proposal**

S. No.	Shifting of non-Industrial areas to Industrial Estates	Area	Features
1	Nil	NA	NA

## **7. Specific Schemes:**

### **7.1. GIS-GPS System for pollution sources monitoring**

At present there is no such system for pollution sources monitoring. The possibility will be explored.

### **7.2. Hydro- geological fracturing for water bodies rejuvenation**

**Not Available**

### **7.3. In-situ remediation of sewage**

**No such proposal**

S. No.	Pollution sources with in-situ remediation facility	Treatment method	Discharge
1	Nil	NA	NA

### **7.4. Utilization of MSW inert by gas based brick kilns**

**No such facility in the study area is proposed.**

S. No.	Number of Brick kilns	Fuel
1	Nil	NA

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

**No such facility in the study area is proposed.**

S. No.	Cement industries	Fuel
1	Nil	NA

## 8. Public awareness and training programs

The UPPCB is conducting both public awareness & training programmes in the field of environment management for the stakeholders in co-ordination with industries, NGOs, educational Institutes & other Government departments.

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

S. No.	CEPI score before installation/commissioning of pollution control equipment/ measures	CEPI score after installation/commissioning of pollution control equipment/ measures	Percent change (%)
1			

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

Study of techno-economical feasibility of pollution control systems in clusters of small/medium scale industries will be carried out.

## 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)

There is no scope for this in the study area.

## 12. Summary of proposed action points

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

Sr. No.	Action Points	Timeline	Responsible Agencies/ Stake Holders
a)	<b>Water Pollution</b> <ul style="list-style-type: none"><li>Industrial Source - Proposed Action Plan for effective control of Water</li></ul>	<b>Frequency</b> Red category- 3 months	UPPCB Individual

	Pollution: Regular effluent sample collection and analysis of Pollution Control System in Red, Orange & Green category Industries to be done to ensure strict compliance of prescribed Norms.	Orange category - <b>6 months</b> Green category - <b>12 months</b> (By UPPCB) & By Individual Industries	Industry
b)	<ul style="list-style-type: none"> <li>Installation of energy meter, on line pH meter, automatic chemical dosing system, online continuous effluent and emission monitoring system (OCEEMS) and establishment of independent laboratory to monitor critical parameters like MLSS, SVI etc. and other inlet and outlet parameters of ETP for Large &amp; Medium Industries</li> </ul>	Ongoing	Individual Industries (Large and Medium)
c)	<ul style="list-style-type: none"> <li>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 extent.</li> </ul>	Within 06 months.	Individual Industries.
d)	<ul style="list-style-type: none"> <li><b>Groundwater Pollution:</b> 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. Also, intensive surveys will be done to ensure that practice of reverse boring is not prevalent in the region.</li> </ul>	Ongoing	Jal Nigam/ State Ground Water Authority
f)	<ul style="list-style-type: none"> <li><b>Domestic Waste Water (Sewage):</b> Effective operation &amp; maintenance of installed STP. Joint Inspection of STPs by ULBs/ UPPCB/ Jal Nigam. Setting up of STPs in upcoming high rise buildings, commercial project, educational institution, multi plexes, town ship &amp; building projects Reuse of treated sewage. Upgradation of STPs to meet revised norms.</li> </ul>	Ongoing Process	ULBs/ UPPCB & Jal Nigam
g)	<ul style="list-style-type: none"> <li><b>Inventorization of Air Polluting Industries:</b> To be done in phase wise manner.</li> </ul>	Stack Monitoring of Large & Medium units every 06 months and	UPPCB & Individual Industries.
h)	<ul style="list-style-type: none"> <li><b>Proposed Action Plan for effective control of Air Pollution:</b> Regular Monitoring of</li> </ul>	once in a Year for SSI units. (By UPPCB & by	UPPCB & Individual

	Pollution Control System in Industries.	individual Industries)	Industries.
i)	<ul style="list-style-type: none"> <li><b>Illegal setup of Industrial activities:</b> Regular drives are to be carried out by Pollution Control Board and District Administration to identify and seal illegally operating industrial activities.</li> </ul>	Combined drives every 2 months by UPPCB & District Administration.	UPPCB and District Admn.
j)	<ul style="list-style-type: none"> <li><b>UPPCL</b> to ensure that electric connection is not sanctioned in favour of such industries which are not in conforming area.</li> </ul>	Within 01 month	UPPCL and Udyog Bandhu
k)	<ul style="list-style-type: none"> <li><b>Monitoring of D.G Sets:</b> Inventorization of Old D.G. Sets in Industrial clusters and Commercial setups including Multiplexes / Shopping Malls / Educational Institution within or near industrial areas to be done by UPPCB. <ul style="list-style-type: none"> <li>I. Post inventorization remedial action with respect to air and noise pollution from likely sources shall be taken against defaulters.</li> <li>II. Installation of Acoustic Enclosure with adequate stack height in Old D G Sets to be ensured.</li> </ul> </li> </ul>	06 Months.  Ongoing  9 months	UPPCB
l)	<ul style="list-style-type: none"> <li><b>Noise Monitoring:</b> Board is procuring real time noise monitoring system. This will be installed in Commercial, Residential, Industrial and Sensitive Zones of the Region.</li> </ul>	Ongoing	UPPCB
m)	<ul style="list-style-type: none"> <li><b>Land Pollution:</b> Proper Storage &amp; Disposal of Hazardous Waste &amp; Solid Waste:</li> </ul>	To send waste every 03/04 months to TSDF	Individual Industry/ UPPCB
n)	<ul style="list-style-type: none"> <li><b>Bio-Medical Waste Disposal:</b> member of authorized Common BMW Treatment Facilities Regular Inspection and monitoring of Hospitals / Nursing Homes has to be done</li> </ul>	Inspection of Big Hospitals Every 03 months & Small Hospitals every 06 Months by UPPCB.	Regional Office, UPPCB

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

Sr. No.	Action Points	Timeline	Responsible Agencies/ Stake Holders
o)	<ul style="list-style-type: none"> <li><b>Water Pollution Industrial Pollution:</b> Adoption of Cleaner Technology to reduce quantity of waste water, Promote recycle after treatment for sector like</li> </ul>		

	electroplating industries. Strategies regarding cleaner technologies in such industries are to be conducted in a time bound manner. In these industries, stress is being laid for 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.	Within 01 Years. (By Industries)	Individual Industries UPPCB & Individual Industries
p)	• Widening and Covering of major open Nalas carrying domestic sewage.	Ongoing	ULBs/UPSIDA
q)	• <b>Groundwater Pollution:</b> Ground water study may be carried out in all Industrial Clusters by Out Sourcing Agencies.	1 Year.	UPPCB & Designated Agencies.
r)	• <b>Air Pollution/Industrial Pollution:</b> Implementation of Cleaner technology in order to reduce quantity of process and fugitive emissions and effective Operation & maintenance of installed APCS. Implementation of cleaner technology / adoption of cleaner fuel, identification of industries to be done in time bound manner. 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. To supply and promote the use of cleaner fuel like CNG, in order to reduce emissions in the industrial	1 Year	UPPCB and Individual industry
s)	• <b>Introduction of Cleaner Fuel for Industrial Uses :</b> Currently industries are using Coal/ Wood and LDO/LSHS as a fuel which emits SPM and SO2 and other pollutants. If CNG is made available to industries the RSPM, SO2 will be reduced and Ambient Air Quality will be improved. M/S Torrent Gas Moradabad Ltd. need to expedite there distribution network for the same at the earliest.	Gas & Oil Companies are in process of getting more and more industries on board and complete switch from solid fuel to clean fuel will be done in a time bound manner.	Gas and Oil Companies
t)	• <b>Clean fuel for vehicles:</b> All commercial Auto Rickshaws, buses being registered using CNG only. Phasing out of old diesel commercial vehicles is being done as per policy.	01 year / As per plan submitted by Gas Agencies.	RTO & Gas Companies
u)	• <b>Development of Green Belt:</b> Develop Green belt upto 33% of the total area.	Ongoing	Forest Department
v)	• <b>Land Pollution Soil Testing:</b> Soil testing of		

	critically polluted Area is proposed to be done for different metals like Pb,Ni,Zn Cr, Cu, Fe etc. twice a year through recognize laboratory.	01 Year	UPPCB
w)	<ul style="list-style-type: none"> <li>• <b>Study of impact on Human Health of Water &amp; Air Pollutants</b></li> </ul>		IITR (Earlier ITRC) / Health Department
x)	<ul style="list-style-type: none"> <li>• <b>Municipal solid waste Disposal:</b> Authority should develop 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 implementation 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</li> </ul>	Every 3 months	Project proponent to give compliance report to UPPCB.
y)	<ul style="list-style-type: none"> <li>• <b>Committee Update:</b> As per directions from Ministry of Environment and Forest, Government of India short listing of Senior citizen candidate and a representative of a NGO to be included in the State Level Monitoring Committee.</li> </ul>	1 Year	UPPCB and DEC