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क्षेत्रीय कार्यालय, उ0प्र0 प्रदूषण नियन्त्रण बोर्ड
Regional Office, U.P. Pollution Control Board
भवन सं0–65 ए, बल्देव पुरी, महोली रोड, मथुरा

पत्रांकः 024/0-91/2022

दिनांक 25/08/2022

सेवा में

मुख्य पर्यावरण अधिकारी (वृत्त–1),
उ0प्र0 प्रदूषण नियंत्रण बोर्ड,
लखनऊ।

विषयः– **मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ0ए0 संख्या 1038/2018 News Item Published in "The Asian Age" Authored by Sanjay Kaw Titled "CPCB to rank industrial units on pollution levels" में पारित आदेशों के अनुपालन में केन्द्रीय प्रदूषण नियंत्रण बोर्ड से प्राप्त कार्ययोजना के मॉडल प्रारूप के आधार पर एक्शन प्लान तैयार किये जाने के सम्बन्ध में।**

महोदय,

कृपया उपरोक्त विषयक आपके H80094/C-1/O.A.-1038/18/2022 दिनांक 24.08.2022 का संदर्भ ग्रहण करने की कष्ट करें। उक्त के संदर्भ में अवगत कराना है कि क्षेत्रीय कार्यालय, मथुरा का CEPI Action Plan तैयार कर पत्र के साथ मूलरूप में संलग्न कर आपके अवलोकनार्थ एवं अग्रिम आवश्यक कार्यवाही हेतु प्रेषित है।

भवदीय

25/08/2022

(डॉ0 योगेन्द्र कुमार)
क्षेत्रीय अधिकारी

संलग्नक–उपरोक्तानुसार।

प्रतिलिपि– मुख्य पर्यावरण अधिकारी (वृत्त–4), उ0प्र0 प्रदूषण नियंत्रण बोर्ड, लखनऊ को सूचनार्थ सादर प्रेषित।

क्षेत्रीय अधिकारी

Environmental Management Plan forCritically/Severely Polluted Area Mathura

Regional Office,
U.P. Pollution Control Board,
Mathura

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)

1.1 AREADETAILS

As per the CEPI assessment, following areas have been identified as critically/ severely polluted area District Mathura.

1.2 LOCATION

The coordinates of the cluster boundary (Site-A) are as follows:

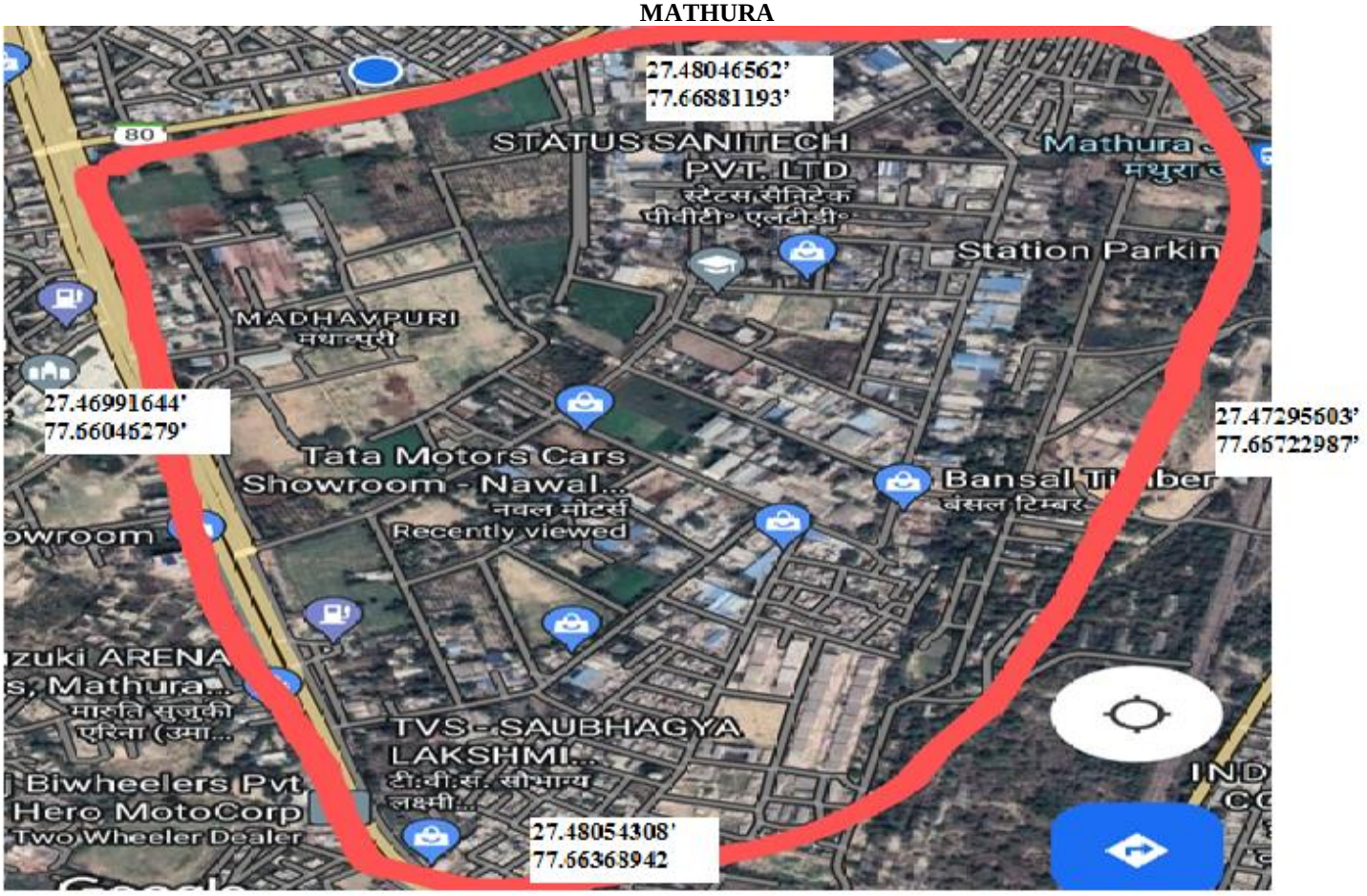
Direction	Latitude	Longitude
East	27.47295603’	77.66722987’
West	27.46991644’	77.66046279’
North	27.48046562’	77.66881193’
South	27.48054308’	77.66368942

The coordinates of the cluster boundary (SaraswatiKund) are as follows:

Direction	Latitude	Longitude
East	27.51687605’	77.66756412’
West	27.52874987’	77.6610803’
North	27.53436723’	77.66615546’
South	27.52318798’	77.66580897’

1.3 Digitized map showing geographical boundaries and ImpactZones

IMAGE: AERIAL VIEW – INDUSTRIAL CLUSTER, MATHURA



1.4 CEPI Score (Air-86.0, Water-81.0, Land-45.0 andTotal-91.10)

1.5 Baseline Status Of Sensitive Receptors: Total population and sensitive receptors (hospitals, educational institutions,courtsetc)residingintheareacomprisinggeographicalareaoftheclusteranditsimpactzone.

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	2547184	2652000	32	35	27	27	01	01	0	0

1.6 Eco-GeologicalFeatures: ImpactZones[theareacomprisingofgeographicalareaoftheclusterandits impact zone (minimum 5km)

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

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

1.6.2 Ecological parks, sanctuaries, flora and fauna or any eco sensitivezones:

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. No.	List of environmentally sensitive zones	Number	Distance and direction
1	0	0	0

(Insert a Google Earth image showing above given zones)

1.6.3 Buildings or Monuments of historical/archaeological/religiousimportance

S. No.	List of Buildings or Monuments of historical/archaeological/religious importance's	Number	Distance and direction
1	01	01	04

1.7 Industry classification: Density of industry (no. of industries per 10 sq.km area orfraction)

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

1.7.1 Highly Polluting Industries (17CATEGORIES)

Scale Of Industries	Highly Polluting Industries		
	Air	Water	No. Of E-Waste/Hazardous Waste Generating Industries
Large	01	0	0
Medium	0	34	34
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	01	01	01
Medium	0	34	34
Small	0	55	55
Total	**01**	**90**	**90**

1.7.3 Orange Category Industries

Scale Of Industries	Number of Industries		
	Air	Water	No. Of E-Waste/Hazardous Waste Generating Industries
Large	0	0	0
Medium	0	04	0
Small	0	18	0
Total	**0**	**22**	**0**

1.7.4 Green CategoryIndustries

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	55	55	0
Total	**55**	**55**	**0**

1.7.5 GROSSLY POLLUTINGINDUSTRIES

Scale Of Industries	Highly Polluting Industries		
	Air	Water	No. Of E-Waste/Hazardous Waste Generating Industries
Large	1	0	1
Medium	34	34	34
Small	0	0	0
Total	35	35	35

2.0 WaterEnvironment

2.1 Present Status of Water Environment Supported with Minimum One-Year Analytical Data (District Mathura)

Date of sampling

S. No.	Parameters				

2.2 Water Bodies/Effluent Receiving Drains in the Area Important For Water QualityMonitoring

S. No.	Water Bodies	No. of drains discharging	Effluent discharge (MLD)
1	**AmbakharDrain**	**01**	**26.49**
2	**Masani Drain**	**01**	**16.82**

2.1 **Present Levels Of Pollutants In Water Bodies/Effluent Receiving Drains/Ground Water** (Routine parameters, special parameters and water toxics relevant to the area in three categories – known carcinogens, probable carcinogens and other toxics)

S. No.	Parameters	Observed values	Standards
		Ambakhar drain	
1	**pH**	7.8	--
2	**TSS (mg/l)**	136.0	--
3	**BOD (mg/l)**	54.0	--
4	**COD (mg/l)**	260.0	--

2.4 Predominant Sources Contributing To VariousPollutants

S. No.	Sources	Effluent discharge	Major Pollutants
1			

2.5 Sources of WaterPollution

2.5.1 Industrial PollutionSources

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

Summary of Industrial Units

S. No.	Drain	Type of Industry * The Type of Industry may be changed as per local conditions							Total Effluent Discharge (MLD)
		Sugar	Pulp & Paper	Distillery	Textile	Slaughter House	Others	Total	
1	Ambakhar Drain Mathura	-	-	-	18	-	-	18	26.49
2	Masani Drain	-	-	-	16	-	-	16	16.82

2.5.2 Domestic PollutionSources

a) DetailsofDrains

Summary ofDrains

S No.	District	No. of Drains	Type of Drains	Status of Drains			Sewage Discharge (MLD)			Total Discharge in the River (MLD)
			Domestic	Tapped	Untapped	Partially Tapped	Treated	Untreated	Total	
1.	Ambakhar Drain Mathura	01	**Mix**	-	-	Partially	Yes 26.49MLD	-	26.49	26.49
2	Masani Drain	01	**Mix**	Tapped	-	-	Yes 16.82MLD	-	16.82	16.82

b) Details of Sewage PollutionSources

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.	30MLD MASANI	27.53468	77.66810	30 MLD	30 MLD	100 %	U.P. Jal Nigam	-
2	6.8MLD MASANI	27.53431	77.66954	6.8 MLD	6.8MLD	100 %	U.P. Jal Nigam	-
3	14.5MLD LAXMI NAGAR TRANS YAMUNA	27.50798	77.1204	14.5 MLD	13 MLD	89 %	U.P. Jal Nigam	-
4	16MLD LAXMI NAGAR TRANS YAMUNA	27.50655	77.71313	16 MLD	16 MLD	100 %	U.P. Jal Nigam	-

DETAILS OF CETPs

S.No.	District	Name of CETP	Location		Installed Capacity (MLD)	Utilized Capacity (MLD)	Operating Govt. Agency/SPV	Discharge Drain
			Latitude	Longitude				
1.	MATHURA	CETP SITE-A	77.666565 77° 39' 58.64"E	27.480791 27° 28' 58.78"N	6.25	6.25	SPV	Ambakhar

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

There is no leachate fond in this area from MSW dumpsite/others.

2.6 Impact on Surrounding Area (Outside the PIAs):

2.7 No information is available regardingthis.

2.8 Details of Water Polluting Industries in the Area/Cluster

S. No.	Name and Address	Product	Location		Type	Treatment Mechanism (ETP/CETP)	Effluent Discharge (KLD)	Effluent Discharge Drain	Consent status	
			Latitude	Longitude					Air	Water
1	ANIL CLOTH STORE, C-64, IND.AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	300 KLD	Ambakhar Drain	**Revoked**	**Revoked**
2	BALAJI TEXTILES PRINTERS, E-70, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	4 KLD	Ambakhar Drain	**Revoked**	**Revoked**
3	GHANSHYAM PRINTS (GAURI PRINTS) (G.S.DAS KAPREYWALA). E-84, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	2 KLD	Ambakhar Drain	**Revoked**	**Revoked**
4	M/s National Process, E-83, Ind. Area, Site-A, Mtr	Printed Saree	**27.48167**	**77.66622**	Textile	CETP	300 KLD	Ambakhar Drain	**Revoked**	**Revoked**
5	GOPI KISHAN SAREE HOUSE, G-62, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	300 KLD	Ambakhar Drain	**Revoked**	**Revoked**

6	MINI PRODUCTS (KRISHNA PRINTS), C-36.,IND. AREA, SITE A, MTR	Printed Saree	**77.665097 77° 39' 54.3"E**	**27.484645 27° 28' 49.66"N**	Textile	CETP	600 KLD	Ambakhar Drain	**Revoked**	**Revoked**
7	MADAN MOHAN GOYAL, C-35, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	100 KLD	Ambakhar Drain	**Revoked**	**Revoked**
8	MAKHAN CHOR PRINTS, C-10, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	1 KLD	Ambakhar Drain	**Revoked**	**Revoked**
9	MATHURA TEXTILES, E-75, 76, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	200 KLD	Ambakhar Drain	**Revoked**	**Revoked**
10	MATHURA TRADING CO., E-68, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	5 KLD	Ambakhar Drain	**Revoked**	**Revoked**
11	NATIONAL TEXTILES, C-37, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	300 KLD	Ambakhar Drain	**Revoked**	**Revoked**
12	RADHIKA PRINTS, C-51, IND. AREA, SITE A, MTR	Printed Saree	**77.665097 77° 39' 54.3"E**	**27.484645 27° 28' 49.66"N**	Textile	CETP	500 KLD	Ambakhar Drain	**Revoked**	**Revoked**
13	RAMESH CHAND AGRAWAL, C-48, IND. AREA, SITE A, MTR	Printed Saree	**77.665271 77° 39' 54.86"E**	**27.480401 27° 28' 48.49"N**	Textile	CETP	400 KLD	Ambakhar Drain	**Revoked**	**Revoked**
14	SIDH VINAYAK IND., S-9, IND. AREA, SITE A, MTR	Printed Saree	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Textile	CETP	300 KLD	Ambakhar Drain	**Revoked**	**Revoked**
15	M/Harish Prints (Ghanshyam Prints), E-77, 78, 79, Ind. Area. Site-A, Mtr	Printed Saree	**27.48033**	**77.66644**	Textile	CETP	660 KLD	Ambakhar Drain	**Revoked**	**Revoked**
16	Ms/ Ghanshyam prints unit-2, (Rishi prints), E-81, 82, Ind. Area, Site-A, Mathura	Printed Saree	27.48108	77.6611261	Textile	CETP	5 KLD	Ambakhar Drain	**Revoked**	**Revoked**
17	M/s Anuradha Textile (Riddhi Siddhi Prints), D-73, Ind. Area, Site-A, Mathura	Printed Saree	27.47096	77.66199	Textile	CETP	4 KLD	Ambakhar Drain	**Revoked**	**Revoked**
18	M/s Garg textile, C-52, Ind. Area, Site-A, Mathura	Printed Saree	27.480250	77.66464	Textile	CETP	6 KLD	Ambakhar Drain	**Revoked**	**Revoked**

19	DAYAL PRINTS , SHIVAJI NAGAR, MTR	Printed Saree	**77.662127 77° 39' 43.66"E**	**27.527484 27° 31' 38.94"N**	Textile	ETP	5 KLD	Masani Drain	**Revoked**	**Revoked**
20	DILEEP SAREE CENTRE, SHIVAJI NAGAR, MTR	Printed Saree	**77.676821 77° 39' 24.55"E**	**27.531779 27° 31' 53.68"N**	Textile	ETP	5 KLD	Masani Drain	**Revoked**	**Revoked**
21	GANESH TEXTELS, SARSWATI KUND, MTR	Printed Saree	**77.663459 77° 40' 48.45"E**	**27.524197 27° 31' 27.11"N**	Textile	ETP	4 KLD	Masani Drain	**Revoked**	**Revoked**
22	HANUMAN TEXTILES, SARASWATI KUND, MTR	Printed Saree	**77.663459 77° 40' 48.45"E**	**27.524197 27° 31' 27.11"N**	Textile	ETP	2 KLD	Masani Drain	**Revoked**	**Revoked**
23	MANOJ TEXTILES, SARSWATI KUND, MTR	Printed Saree	**77.662297 77° 40' 44.27"E**	**27.562075 27° 31' 37.87"N**	Textile	ETP	3 KLD	Masani Drain	**Revoked**	**Revoked**
24	MAHESH PRINTS, SARSWATI KUND, MTR	Printed Saree	**77.662297 77° 40' 44.27"E**	**27.562075 27° 31' 37.87"N**	Textile	ETP	10 KLD	Masani Drain	**Revoked**	**Revoked**
25	MAHESH SAREE HOUSE, SARSWATI KUND, MTR	Printed Saree	**77.662297 77° 40' 44.27"E**	**27.562075 27° 31' 37.87"N**	Textile	ETP	4 KLD	Masani Drain	**Revoked**	**Revoked**
26	TAJ PRINTS (MUSTAK PRINT), SHIVAJI NAGAR, MTR	Printed Saree	**77.662127 77° 39' 43.66"E**	**27.527484 27° 31' 38.94"N**	Textile	ETP	4 KLD	Masani Drain	**Revoked**	**Revoked**
27	NAINA ENTERPRISES(REKHA SAREE),.JAISINGHPURA BANGER, MTR	Printed Saree	**77.663519 77° 40' 48.67"E**	**27.529629 27° 31' 46.45"N**	Textile	ETP	5 KLD	Masani Drain	**Revoked**	**Revoked**
28	OM SAREE CENTRE, SARSAWATI KUND, MTR	Printed Saree	**77.662297 77° 40' 44.27"E**	**27.562075 27° 31' 37.87"N**	Textile	ETP	5 KLD	Masani Drain	**Revoked**	**Revoked**
29	RAMJI PRINTS, SARASWATI KUND, MTR	Printed Saree	**77.662297 77° 40' 44.27"E**	**27.562075 27° 31' 37.87"N**	Textile	ETP	4 KLD	Masani Drain	**Revoked**	**Revoked**
30	SATISH DYEING, SARSWATI KUND, MTR	Printed Saree	**77.663519 77° 40' 48.67"E**	**27.529629 27° 31' 46.45"N**	Textile	ETP	5 KLD	Masani Drain	**Revoked**	**Revoked**
31	SHRI BRIJRAJ CLOTH PRINTING CO., SHIVAJI NAGAR, MTR	Printed Saree	**77.676821 77° 39' 24.55"E**	**27.531779 27° 31' 53.68"N**	Textile	ETP	500 KLD	Masani Drain	**Revoked**	**Revoked**

32	UMESH SAREE CENTRE, SHIVAJI NAGAR, MTR	Printed Saree	**77.676821 77° 39' 24.55"E**	**27.531779 27° 31' 53.68"N**	Textile	ETP	5 KLD	Masani Drain	**Revoked**	**Revoked**
33	UPMA SAREE CENTRE, SHIVAJI NAGAR, MTR	Printed Saree	**77.676821 77° 39' 24.55"E**	**27.531779 27° 31' 53.68"N**	Textile	ETP	3 KLD	Masani Drain	**Revoked**	**Revoked**
34	VRINDAVAN TEXTILES, SHIVAJI NAGAR, MTR	Printed Saree	**77.676821 77° 39' 24.55"E**	**27.531779 27° 31' 53.68"N**	Textile	ETP	10 KLD	Masani Drain	**Revoked**	**Revoked**

2.9 **Effluent Disposal Methods**- Recipient Water Bodies –Ambakhar& Masani Drain Mathura

2.10 **Quantification Of Wastewater Pollution Load And Relative Contribution By Different Sources viz Industrial/Domestic**

a) Industrial:

S. No.	**Drain**	**Type of Industry** *** The Type of Industry may be changed as per local conditions**							**Total Effluent Discharge (MLD)**	**Pollution load (BOD in kg/day)**
		Sugar	**Pulp & Paper**	**Distillery**	**Textile**	**Slaughter House**	**Others**	**Total**		
1	Ambakhar Drain	0	0	0	18	0	0	18	6.25	54
2	Masani Drain	0	0	0	10	0	0	10	2.6	46

b) Domestic:

S No.	No. of Drains	Type of Drains			Status of Drains			Industries		Sewage Discharge (MLD)			Pollution load (BOD in kg/day)
		Domestic	Industrial	Mixed	Tapped	Untapped	Partially Tapped	Number	Treated Effluent (MLD)	Treated	Untreated	Total	
1.	MahadevGhat	YES		-	YES	-	-	-	-	2.46	2.46	2.46	38
2.	AurangabadDrain	YES	-		NO	Untapped	-	-	-	1.98	1.98	1.98	48

2.11 Action Plan for Compliance and Control of Pollution

2.11.1 Short Term Action Points (upto 1 year, including continuousactivities)

Short Term Action Points (upto 1 year, including continuous activities)				
Sr. No.	**Action Points**	**Timeline**	**ResponsibleAgencies/ StakeHolders**	**Remarks/Progress**
2.10.1 a)	**Water Pollution** • **Industrial Source** - Proposed Action Plan for effective control of Water 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 effluentnorms.	**Frequency** Red category-**10 months** Orange category-**15 months** Green category -**11 months** (By UPPCB) & By Individual Industries asfollows	UPPCB Individual Industry	Regular effluent sample collection and analysis of Pollution Control System in Large &Medium & Small Scale Pollution Industries is beingdone to ensure strict compliance of prescribed norms by Regional Office, UPPCB,Mathura
	• Installation of energy meter, on line PH meter, automatic chemical dozing system, on line effluent quality & flow measurement (OCEMS) and installation of independent laboratory to monitor critical parameters like MLSS, SVI etc. and other inlet andoutletparametersofETPforLarge&Medium Industries	Ongoing	Individual Industries(Large andMedium)	Ongoing.
	• 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 aretobeinstalledinatimeboundmannerinorderto ensure that treated water is recycled / reused to the maximum extend.	Within 06 months.	Individual Industries.	Under process
b)	• **Groundwater Pollution:** 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 theregion.	Ongoing	UPPCB	Under Process.

c)	• **Domestic Waste Water (Sewage):** Domesticsewage contributes to about 80% of Water. The status of Sewage Pollution Control is asfollows:	Ongoing	UPPCB and Jal Nigam	
	• STPs areOperational	Ongoing	UPPCB and Jal Nigam	STP installed
	• CombinedInspectionofSTPsbyUPPCBandJal Nigam	Ongoing Process	UPPCB and Jal Nigam	
	• Upcoming High Rise Buildings, Commercial Project, Educational Institution, Multiplex, Town ship & 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 & ensure compliance of the conditions of the Environment Clearance and NOC from PCB.	Ongoing Process	Project proponent Local Authority&UPPCB.	

2.11.2 Existing Infrastructure Facilities- Water quality monitoring network, ETPs, CETPs, sewerage treatment plant of industry (STPs), surface drainage system, effluent conveyance channels/ outfallsetc.

2.11.3 POLLUTION CONTROL MEASURES INSTALLED BYINDUSTRIES.

S. No	Name of Industries	Product	Category	Pollution control measures installed (Y/N)	Consent status
1	ANIL CLOTH STORE, C-64, IND.AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
2	BALAJI TEXTILES PRINTERS, E-70, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
3	GHANSHYAM PRINTS (GAURI PRINTS) (G.S.DAS KAPREYWALA). E-84, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**

4	M/s National Process, E-83, Ind. Area, Site-A, Mtr	Printed Saree	Red	**CETP**	**Revoked**
5	GOPI KISHAN SAREE HOUSE, G-62, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
6	MINI PRODUCTS (KRISHNA PRINTS), C-36.,IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
7	MADAN MOHAN GOYAL, C-35, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
8	MAKHAN CHOR PRINTS, C-10, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
9	MATHURA TEXTILES, E-75, 76, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
10	MATHURA TRADING CO., E-68, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
11	NATIONAL TEXTILES, C-37, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
12	RADHIKA PRINTS, C-51, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
13	RAMESH CHAND AGRAWAL, C-48, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
14	SIDH VINAYAK IND., S-9, IND. AREA, SITE A, MTR	Printed Saree	Red	**CETP**	**Revoked**
15	M/Harish Prints (Ghanshyam Prints), E-77, 78, 79, Ind. Area. Site-A, Mtr	Printed Saree	Red	**CETP**	**Revoked**

16	Ms/ Ghanshyam prints unit-2, (Rishi prints), E-81, 82, Ind. Area, Site-A, Mathura	Printed Saree	Red	**CETP**	**Revoked**
17	M/s Anuradha Textile (Riddhi Siddhi Prints), D-73, Ind. Area, Site-A, Mathura	Printed Saree	Red	**CETP**	**Revoked**
18	M/s Garg textile, C-52, Ind. Area, Site-A, Mathura	Printed Saree	Red	**CETP**	**Revoked**
19	DAYAL PRINTS , SHIVAJI NAGAR, MTR	Printed Saree	Red	**ETP**	**Revoked**
20	DILEEP SAREE CENTRE, SHIVAJI NAGAR, MTR	Printed Saree	Red	**ETP**	**Revoked**
21	GANESH TEXTELS, SARSWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
22	HANUMAN TEXTILES, SARASWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
23	MANOJ TEXTILES, SARSWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
24	MAHESH PRINTS, SARSWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
25	MAHESH SAREE HOUSE, SARSWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
26	TAJ PRINTS (MUSTAK PRINT), SHIVAJI NAGAR, MTR	Printed Saree	Red	**ETP**	**Revoked**
27	NAINA ENTERPRISES(REKHA SAREE),.JAISINGHPURA BANGER, MTR	Printed Saree	Red	**ETP**	**Revoked**
28	OM SAREE CENTRE, SARSAWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
29	RAMJI PRINTS, SARASWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
30	SATISH DYEING, SARSWATI KUND, MTR	Printed Saree	Red	**ETP**	**Revoked**
31	SHRI BRIJRAJ CLOTH PRINTING CO., SHIVAJI NAGAR, MTR	Printed Saree	Red	**ETP**	**Revoked**
32	UMESH SAREE CENTRE, SHIVAJI NAGAR, MTR	Printed Saree	Red	**ETP**	**Revoked**
33	UPMA SAREE CENTRE, SHIVAJI NAGAR, MTR	Printed Saree	Red	**ETP**	**Revoked**
34	VRINDAVAN TEXTILES, SHIVAJI NAGAR, MTR	Printed Saree	Red	**ETP**	**Revoked**

2.11.4 TechnologicalIntervention

S. No	Industries	Category	Pollution control measures installed (Y/N)
1	Nil	Nil	Nil

2.11.4.1 Inventorisation of Prominent Industries with TechnologicalGaps

S. No.	Industries	Category	Pollution control measures installed (Y/N)
1	Nil	Nil	Nil

2.11.4.2 Identification of Low Cost and Advanced Cleaner Technology for PollutionControl

S. No	Number of industries adopted cleaner technologies	Previous technologies	New technologies
1	Nil	Nil	Nil

2.11.5 Infrastructure Renewal if anyrequired

2.11.5.1 Details of existing infrastructure facilities- Dust collector, wet scrubber, ESP etc. are installed for air pollution control and ETPs installed for water pollution control.

2.11.5.2 Need of up gradation of existing facilities – Need cleaner fuel for pollutioncontrol.

2.11.5.3 De-silting of water tanks, drains, culvert, etc. – De silting of drains done by Mathura –Vrindavan Nagar Nigam Mathuira
2.11.5.4 Construction of lined drains/ connections –Ongoing.

2.11.5.5 Treatment and management of contaminated surface water bodies–

S. No.	Contaminated surface water bodies	Treatment adopted	status
1	Nil	Nil	Nil

2.11.5.6 Rejuvenation/ Management Plan for important eco-geological features-Nil

2.11.5.7 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- Yes-CETP Installed at Site-A

2.11.5.8 Installation of Gen sets at CETPs - Yes

2.11.6 Managerial and Financial aspects-As per requirement

2.11.7 Cost and time estimates: As per requirement
2.11.7.1
2.11.7.2 Identified private/ public sector potential investors and contribution/ obligation:NA

2.11.7.3 Government Budgetary supportrequirement

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

2.11.7.4 Hierarchical and structured managerial system for efficient implementation:NA

2.11.8 Self monitoring systems industries (ETPs)etc.-

S. No.	Industries	Category	ETPs installed(Y/N)
1	ANIL CLOTH STORE, C-64, IND.AREA, SITE A, MTR	Red	**CETP**
2	BALAJI TEXTILES PRINTERS, E-70, IND. AREA, SITE A, MTR	Red	**CETP**
3	GHANSHYAM PRINTS (GAURI PRINTS) (G.S.DAS KAPREYWALA). E-84, IND. AREA, SITE A, MTR	Red	**CETP**
4	M/s National Process, E-83, Ind. Area, Site-A, Mtr	Red	**CETP**
5	GOPI KISHAN SAREE HOUSE, G-62, IND. AREA, SITE A, MTR	Red	**CETP**
6	MINI PRODUCTS (KRISHNA PRINTS), C-36.,IND. AREA, SITE A, MTR	Red	**CETP**
7	MADAN MOHAN GOYAL, C-35, IND. AREA, SITE A, MTR	Red	**CETP**
8	MAKHAN CHOR PRINTS, C-10, IND. AREA, SITE A, MTR	Red	**CETP**
9	MATHURA TEXTILES, E-75, 76, IND. AREA, SITE A, MTR	Red	**CETP**
10	MATHURA TRADING CO., E-68, IND. AREA, SITE A, MTR	Red	**CETP**
11	NATIONAL TEXTILES, C-37, IND. AREA, SITE A, MTR	Red	**CETP**
12	RADHIKA PRINTS, C-51, IND. AREA, SITE A, MTR	Red	**CETP**
13	RAMESH CHAND AGRAWAL, C-48, IND. AREA, SITE A, MTR	Red	**CETP**
14	SIDH VINAYAK IND., S-9, IND. AREA, SITE A, MTR	Red	**CETP**
15	M/Harish Prints (Ghanshyam Prints), E-77, 78, 79, Ind. Area. Site-A, Mtr	Red	**CETP**
16	Ms/ Ghanshyam prints unit-2, (Rishi prints), E-81, 82, Ind. Area,	Red	**CETP**

	Site-A, Mathura		
17	M/s Anuradha Textile (Riddhi Siddhi Prints), D-73, Ind. Area, Site-A, Mathura	Red	**CETP**
18	M/s Garg textile, C-52, Ind. Area, Site-A, Mathura	Red	**CETP**
19	DAYAL PRINTS , SHIVAJI NAGAR, MTR	Red	**ETP**
20	DILEEP SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	**ETP**
21	GANESH TEXTELS, SARSWATI KUND, MTR	Red	**ETP**
22	HANUMAN TEXTILES, SARASWATI KUND, MTR	Red	**ETP**
23	MANOJ TEXTILES, SARSWATI KUND, MTR	Red	**ETP**
24	MAHESH PRINTS, SARSWATI KUND, MTR	Red	**ETP**
25	MAHESH SAREE HOUSE, SARSWATI KUND, MTR	Red	**ETP**
26	TAJ PRINTS (MUSTAK PRINT), SHIVAJI NAGAR, MTR	Red	**ETP**
27	NAINA ENTERPRISES(REKHA SAREE),.JAISINGHPURA BANGER, MTR	Red	**ETP**
28	OM SAREE CENTRE, SARSAWATI KUND, MTR	Red	**ETP**
29	RAMJI PRINTS, SARASWATI KUND, MTR	Red	**ETP**
30	SATISH DYEING, SARSWATI KUND, MTR	Red	**ETP**
31	SHRI BRIJRAJ CLOTH PRINTING CO., SHIVAJI NAGAR, MTR	Red	**ETP**
32	UMESH SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	**ETP**
33	UPMA SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	**ETP**
34	VRINDAVAN TEXTILES, SHIVAJI NAGAR, MTR	Red	**ETP**

2.11.9 Data linkages to SPCB / CPCB(OCEEMS)-NA

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

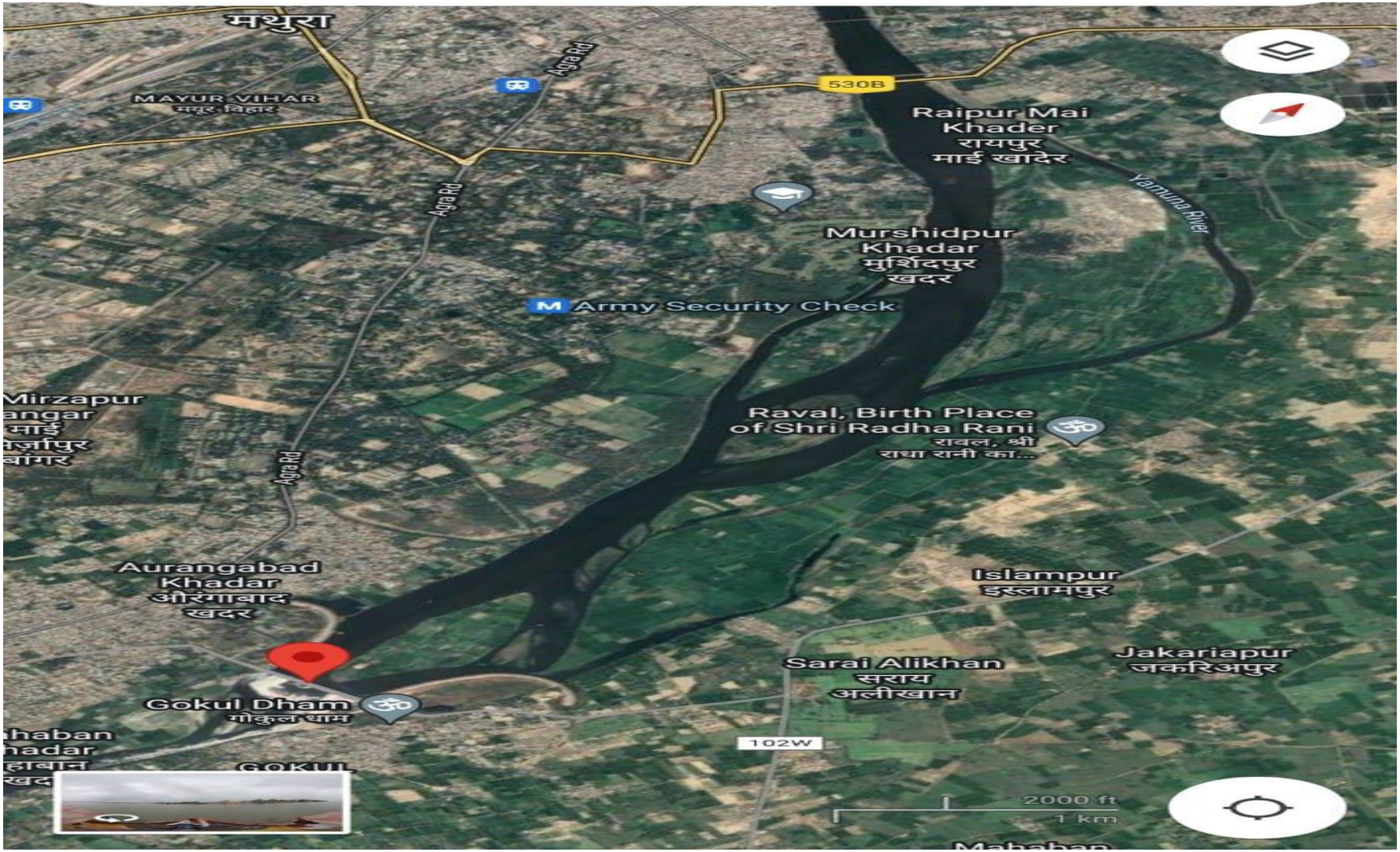
2.12 MONITORING: SURFACE WATER, GROUNDWATER

SURFACE WATER MONITORING STATIONS

S No.	Location/Station	Location code
1	**Yamuna River at Vishramghat**	**2494**
2	**U/S Yamuna River Mathura**	**1123**
3	**D/S Yamuna River Mathura**	**1124**

GROUND WATER MONITORING STATIONS:

S No.	Location/Station	Location code
1		---



3.0 AirEnvironment

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

S. No.	Cluster	Months(Jan 2021-Jan 2022)	AQI (Residential)	Condition	AQI (Industrial)	Condition
1	1. Residential	January	177	Very poor	186	severe
		February	172	Very poor	184	Very poor
		March	171	Very poor	189	Very poor
	2. Industrial	April	168	Very poor	183	Very poor
		May	114	Very poor	123	Very poor
		June	166	Very poor	180	Very poor
		July	165	Very poor	176	Very poor
		August	135	Very poor	166	Very poor
		September	128	Very poor	155	Very poor
		October	155	Very poor	171	severe
		November	226	severe	224	severe
		December	179	severe	193	severe

3.1.1 Critical locations for air quality monitoring: Identification of critical locations for air quality monitoring

S. No.	Locations identified	Coordinates		Distance and direction
		Latitude	Longitude	
	NA			
	NA			

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

a) Ambient Air Quality Monitoring for following parameters:

i) SO_2, NO_2 , PM_{10} , $PM_{2.5}$, Pb and other relevant parameter (for 24 hourly average monitoringvalues)

S. No	Parameters(Avg. value of year 2019) Industrial (CETP Site-A)	Observed values	Standards
1	PM_{10}	192	100
2	SO_2	14	80
3	NO_2	30	80

S. No	3. Parameters(Avg. value ofyear 2019) **Residential** (RO UPCB Mathura)	Observed values	Standards
1	PM_{10}	177	100
2	SO_2	12	80
3	NO_2	29	80

ii) O_3, CO and other relevant parameter (for 1 hrly average and 8 hrly average) Notanalyzed

S. No	Parameters	Observed values	Standards
1	--	--	--
2	--	--	--

iii) Benzene, Arsenic & Nickel and other relevant parameter (for 24 hrly average value)- Notanalyzed

S. No	Parameters	Observed values	Standards
1	--	--	--
2	--	--	--

3.1.3 Predominant sources contributing to variouspollutants

S. No.	Sources	Percent contribution	Main Pollutants
1.	Vehicular	09	NO_X , SO_X, CO, Hydrocarbons, Volatile organic compounds
2.	Industrial	11	Benzene, NO_X , SO_X, CO, Hydrocarbons, Volatile organic compounds
3.	Domestic	08	Volatile organic compounds, SO_X, CO
4.	Others like Dust and Construction, WasteBurning, Diesel Generator	72	NO_X , SO_X, CO, Hydrocarbons, Volatile organic compounds

3.2 Sources of air pollution: viz industrial, domestic (coal an biomass burning), natural and transport and heavy earthmovers

3.3 Air Polluting Industries in the area/cluster

S. No	Number of Air Polluting industries	Coordinates		Distance and direction
		Latitude	Longitude	
1	ANIL CLOTH STORE, C-64, IND.AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
2	BALAJI TEXTILES PRINTERS, E-70, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
3	GHANSHYAM PRINTS (GAURI PRINTS) (G.S.DAS KAPREYWALA). E-84, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
4	M/s National Process, E-83, Ind. Area, Site-A, Mtr	**27.48167**	**77.66622**	Within CEPI
5	GOPI KISHAN SAREE HOUSE, G-62, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
6	MINI PRODUCTS (KRISHNA PRINTS), C-36.,IND. AREA, SITE A, MTR	**77.665097 77° 39' 54.3"E**	**27.484645 27° 28' 49.66"N**	Within CEPI
7	MADAN MOHAN GOYAL, C-35, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
8	MAKHAN CHOR PRINTS, C-10, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI

9	MATHURA TEXTILES, E-75, 76, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
10	MATHURA TRADING CO., E-68, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
11	NATIONAL TEXTILES, C-37, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
12	RADHIKA PRINTS, C-51, IND. AREA, SITE A, MTR	**77.665097 77° 39' 54.3"E**	**27.484645 27° 28' 49.66"N**	Within CEPI
13	RAMESH CHAND AGRAWAL, C-48, IND. AREA, SITE A, MTR	**77.665271 77° 39' 54.86"E**	**27.480401 27° 28' 48.49"N**	Within CEPI
14	SIDH VINAYAK IND., S-9, IND. AREA, SITE A, MTR	**77.666565 77° 39' 58.64"E**	**27.480791 27° 28' 58.78"N**	Within CEPI
15	M/Harish Prints (Ghanshyam Prints), E-77, 78, 79, Ind. Area. Site-A, Mtr	**27.48033**	**77.66644**	Within CEPI
16	Ms/ Ghanshyam prints unit-2, (Rishi prints), E-81, 82, Ind. Area, Site-A, Mathura	27.48108	77.6611261	Within CEPI
17	M/s Anuradha Textile (Riddhi Siddhi Prints), D-73, Ind. Area, Site-A, Mathura	27.47096	77.66199	Within CEPI
18	M/s Garg textile, C-52, Ind. Area, Site-A, Mathura	27.480250	77.66464	Within CEPI

3.6.1 Existing infrastructure facilities- Ambient Air Quality MonitoringNetwork

Number of manual AQ monitoring station	Number of CAAQMS	Total Monitoring station
2	1	3

Air Monitoring station Mathura

No.	Location/Station	Station code
1	**CETP SITE-1**	724
2	**RO UPPCB MATHURA**	725

3.6.2 Pollution control measure installed by the individual sources of pollution

S. No.	Pollution Source	Category	APCS installed(Y/N)

Government budgetary support requirement

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

3.6.6.3 Hierarchical and structured managerial system for efficientimplementation

3.6.7 Self monitoring system in industries (stacks, APCDs)

S. No.	Industries	Category	APCS/APCDs installed(Y/N)
1	ANIL CLOTH STORE, C-64, IND.AREA, SITE A, MTR	Red	**Yes**
2	BALAJI TEXTILES PRINTERS, E-70, IND. AREA, SITE A, MTR	Red	**Yes**
3	GHANSHYAM PRINTS (GAURI PRINTS) (G.S.DAS KAPREYWALA). E-84, IND. AREA, SITE A, MTR	Red	**Yes**
4	M/s National Process, E-83, Ind. Area, Site-A, Mtr	Red	**Yes**
5	GOPI KISHAN SAREE HOUSE, G-62, IND. AREA, SITE A, MTR	Red	**Yes**
6	MINI PRODUCTS (KRISHNA PRINTS), C-36.,IND. AREA, SITE A, MTR	Red	**Yes**

7	MADAN MOHAN GOYAL, C-35, IND. AREA, SITE A, MTR	Red	**Yes**
8	MAKHAN CHOR PRINTS, C-10, IND. AREA, SITE A, MTR	Red	**Yes**
9	MATHURA TEXTILES, E-75, 76, IND. AREA, SITE A, MTR	Red	**Yes**
10	MATHURA TRADING CO., E-68, IND. AREA, SITE A, MTR	Red	**Yes**
11	NATIONAL TEXTILES, C-37, IND. AREA, SITE A, MTR	Red	**Yes**
12	RADHIKA PRINTS, C-51, IND. AREA, SITE A, MTR	Red	**Yes**
13	RAMESH CHAND AGRAWAL, C-48, IND. AREA, SITE A, MTR	Red	**Yes**
14	SIDH VINAYAK IND., S-9, IND. AREA, SITE A, MTR	Red	**Yes**
15	M/Harish Prints (Ghanshyam Prints), E-77, 78, 79, Ind. Area. Site-A, Mtr	Red	**Yes**
16	Ms/ Ghanshyam prints unit-2, (Rishi prints), E-81, 82, Ind. Area, Site-A, Mathura	Red	**Yes**
17	M/s Anuradha Textile (Riddhi Siddhi Prints), D-73, Ind. Area, Site-A, Mathura	Red	**Yes**
18	M/s Garg textile, C-52, Ind. Area, Site-A, Mathura	Red	**Yes**
19	DAYAL PRINTS , SHIVAJI NAGAR, MTR	Red	**Yes**
20	DILEEP SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	**Yes**
21	GANESH TEXTELS, SARSWATI KUND, MTR	Red	**Yes**
22	HANUMAN TEXTILES, SARASWATI KUND, MTR	Red	**Yes**
23	MANOJ TEXTILES, SARSWATI KUND, MTR	Red	**Yes**
24	MAHESH PRINTS, SARSWATI KUND, MTR	Red	**Yes**
25	MAHESH SAREE HOUSE, SARSWATI KUND, MTR	Red	**Yes**

26	TAJ PRINTS (MUSTAK PRINT), SHIVAJI NAGAR, MTR	Red	**Yes**
27	NAINA ENTERPRISES(REKHA SAREE),.JAISINGHPURA BANGER, MTR	Red	**Yes**
28	OM SAREE CENTRE, SARSAWATI KUND, MTR	Red	**Yes**
29	RAMJI PRINTS, SARASWATI KUND, MTR	Red	**Yes**
30	SATISH DYEING, SARSWATI KUND, MTR	Red	**Yes**
31	SHRI BRIJRAJ CLOTH PRINTING CO., SHIVAJI NAGAR, MTR	Red	**Yes**
32	UMESH SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	**Yes**
33	UPMA SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	**Yes**
34	VRINDAVAN TEXTILES, SHIVAJI NAGAR, MTR	Red	**Yes**

3.6.8 Data linkages to SPCB/ CPCB(OCEMS)

S. No.	Industries	Category	Data linkage (Y/N)
1	ANIL CLOTH STORE, C-64, IND.AREA, SITE A, MTR	Red	No
2	BALAJI TEXTILES PRINTERS, E-70, IND. AREA, SITE A, MTR	Red	No
3	GHANSHYAM PRINTS (GAURI PRINTS) (G.S.DAS KAPREYWALA). E-84, IND. AREA, SITE A, MTR	Red	No
4	M/s National Process, E-83, Ind. Area, Site-A, Mtr	Red	No
5	GOPI KISHAN SAREE HOUSE, G-62, IND. AREA, SITE A, MTR	Red	No
6	MINI PRODUCTS (KRISHNA PRINTS), C-36.,IND. AREA, SITE A, MTR	Red	No

7	MADAN MOHAN GOYAL, C-35, IND. AREA, SITE A, MTR	Red	No
8	MAKHAN CHOR PRINTS, C-10, IND. AREA, SITE A, MTR	Red	No
9	MATHURA TEXTILES, E-75, 76, IND. AREA, SITE A, MTR	Red	No
10	MATHURA TRADING CO., E-68, IND. AREA, SITE A, MTR	Red	No
11	NATIONAL TEXTILES, C-37, IND. AREA, SITE A, MTR	Red	No
12	RADHIKA PRINTS, C-51, IND. AREA, SITE A, MTR	Red	No
13	RAMESH CHAND AGRAWAL, C-48, IND. AREA, SITE A, MTR	Red	No
14	SIDH VINAYAK IND., S-9, IND. AREA, SITE A, MTR	Red	No
15	M/Harish Prints (Ghanshyam Prints), E-77, 78, 79, Ind. Area. Site-A, Mtr	Red	No
16	Ms/ Ghanshyam prints unit-2, (Rishi prints), E-81, 82, Ind. Area, Site-A, Mathura	Red	No
17	M/s Anuradha Textile (Riddhi Siddhi Prints), D-73, Ind. Area, Site-A, Mathura	Red	No
18	M/s Garg textile, C-52, Ind. Area, Site-A, Mathura	Red	No
19	DAYAL PRINTS , SHIVAJI NAGAR, MTR	Red	No
20	DILEEP SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	No
21	GANESH TEXTELS, SARSWATI KUND, MTR	Red	No
22	HANUMAN TEXTILES, SARASWATI KUND, MTR	Red	No
23	MANOJ TEXTILES, SARSWATI KUND, MTR	Red	No
24	MAHESH PRINTS, SARSWATI KUND, MTR	Red	No
25	MAHESH SAREE HOUSE, SARSWATI KUND, MTR	Red	No

26	TAJ PRINTS (MUSTAK PRINT), SHIVAJI NAGAR, MTR	Red	No
27	NAINA ENTERPRISES(REKHA SAREE),.JAISINGHPURA BANGER, MTR	Red	No
28	OM SAREE CENTRE, SARSAWATI KUND, MTR	Red	No
29	RAMJI PRINTS, SARASWATI KUND, MTR	Red	No
30	SATISH DYEING, SARSWATI KUND, MTR	Red	No
31	SHRI BRIJRAJ CLOTH PRINTING CO., SHIVAJI NAGAR, MTR	Red	No
32	UMESH SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	No
33	UPMA SAREE CENTRE, SHIVAJI NAGAR, MTR	Red	No
34	VRINDAVAN TEXTILES, SHIVAJI NAGAR, MTR	Red	No

3.6.9 AAQM Status ofDistricts

S. No.	NAME AND ADDRESS OF THE NDUSTRY	PHONE NUMBER	NUMBER OF AAQM INSTALLED	PARAMETERS MONITORED
1	Nil			PM_{10}, SO_2, NOx & CO
				$PM_{2.5}$, PM_{10}, SO_2, NOx, CO, Ammonia, Benzene, Ozone
2	Nil			$PM_{2.5}$, PM_{10}, SO_2, NOx, CO, Ammonia, Benzene, Ozone
3	Nil			$PM_{2.5}$, PM_{10}, SO_2, NOx, CO, Ammonia, Benzene, Ozone
4	Nil			$PM_{2.5}$, PM_{10}, SO_2, NOx, CO, Ammonia, Benzene, Ozone, Toluene, Xylene, Humidity, Raingauge, Temperature, Solar Radiation, Wind Speed and Direction

4. Environment (Soil and groundwater)

4.1 Soilcontamination

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

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

4.1.2 Critical locations for land/soil pollution assessment and ground watermonitoring

S. No.	Locations identified	Coordinates		Distance and direction
		Latitude	Longitude	
1	Nil			

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

S. No.	Parameters	Observed values	Standards
1	Nil		

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	Industrial	Not measured	Inorganic pollutants including heavy metals.
2	Domestic	Not measured	Inorganic pollutant
3	Agricultural	Not measured	Organochlorine, pesticides, insecticide herbicides heavy metals etc

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4.1.5 Sources of soil contamination

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

4.1.6. Types of existing pollution: Please provide details

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

4.2 Ground water contamination

4.2.1. Present status/quality of groundwater

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

4.2.2 Source identification (Existing sources of Ground water Pollution)

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

4.2.2. Ground water quality monitoringprogram:-NA

S. No.	Sampling Locations	Coordinates	Frequency	Parameters tested

2.5. Treatment and management of contaminated ground water bodies etc: Nil

4.2.6. Impact on CEPI Score after abatement of pollution:

SN	CEPI score before	CEPI score after	Percent improvement
1	Not available	55.65	Not available

4.3 Solid Waste Generation andManagement

4.3.1. WASTE CLASSIFICATION ANDQUANTIFICATION

SN	Source	Quantity	Quantity(approx.)
1	Municipalarea	Domestic	180.0MTD
2	Industries	Industrial	2000 MT/Yr
4	Construction activities	C&D	0.25MTD
5	Healthcare facilities	BMW	0.982MTD

4.3.1.1. HAZARDOUS WASTE

SN	Source	CEPI score after
1	Industrial and commercial	13000MT/Annum

4.3.1.2 BIO-MEDICALWASTE

SN	No. of CBWTF	Quantity	Authorization
1	01	200KG/HR	YES

4.3.1.3 ELECTRONICWASTE

SN	No. of Electronic waste treatment facility	Quantity	Authorization
1	**04**	**15300MT/Y**	YES

S. No.	No. of Plastic waste Processing facility	Quantity	Authorization
1	Plastic waste Processing facility not installed in Mathura		

S. No.	No. of C&D waste Processing facility	Quantity	Authorization	Compliance status
1	C & D waste Processing facility not installed in Mathura			

S. No.	Pollution source	Type of Wastes	Relative Contribution
Mentioned as above			

S. No.	TSDF/Incineration Facilities	Capacity	Location
	No TSDF Facilities installed in Mathura city.		

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

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

Please provide details Stockholders/agencies involved in financial managerial mechanism for implementation of PPP projects, if any. None

6. <u>Other infrastructural Renewalmeasures</u>:

6.1. Greenbelts

S. No.	Green Belt Developed/ Upcoming Green belts	Area	Direction
1	05 years Plantation scheme based on wind pattern Mathura city has been sent to Head office, UPPCB Lucknow for necessary action. Details enclosed.		

6.2. Development of IndustrialEstate(s)

S. No.	Development of Industrial Estates	Area	Direction
	None		

3.

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

S. No.	Shifting of Industrial Estates to non-Industrial areas	Area	Direction
	No proposal received		

7. <u>SpecificSchemes:</u>

7.1. GIS-GPS System for pollution sourcesmonitoring

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

S. Nos.	GIS-GPS System enabled Pollution sources	Remarks
	Not available	

7.2. Hydro- geological fracturing for water bodiesrejuvenation

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

7.3. In-situ remediation of sewage

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

7.4. Utilization of MSW in brickkilns

S. No.	Number of Brick kilns	Fuel
	None	

7.5. Co- processing of wastes in cementindustries

S. No.	Cement industries	Fuel
	No Unit installed	

8. Public awareness and trainingprograms

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

9. Overall impact on installation/commissioning of pollution control equipment/ measures on the CEPIscore

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

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

Please provide detailed assessment report-**Under process**

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)-Nil

12. <u>Summary of proposed actionpoints</u>

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

S.No.	Action Points (including source and mitigation measures)	Responsible Stack Holder	Time Limit	Cost	Remarks
	Water Pollution Industrial Source - Proposed Action Plan for effective control of Water Pollution:1 Regular effluent sample collection and analysis of Pollution Control System	UPPCB & Individual Industry	**Frequency** Large & Medium Industries -**3 months** Small Scale Industries -**6 months** (By UPPCB)	25 Lakh/Year	Strengthening and upgradation of Laboratory and skilled staff is required

	in Large & Medium & Small Scale Polluting Industries to be done to ensure strict compliance of prescribed Norms		& By Individual Industries as follows - L & M - Every 3 Months. Small - Once a Year		
	Installation of energy meter, on line PH meter, automatic chemical dozing system, on line flow measurement and installation of independent laboratory to monitor critical parameters like MLSS, SVI etc. and other inlet and outlet parameters of ETP for Large & Medium Industries and industries situated. Upgradation of ETP in existing water polluting units is to be done on case to case basis. Under the upgradation plan, suitable tertiary tretment methods are to be installed in a time bound manner in order to ensure that treated water is recycled / reused to the maximum extend. **Upgradation of ETP's**: Conversion of conventional reduction treatment of electroplating waste water to Ion exchange method and its recycling in Large &Mediumsector units, wherever existing ETP is not functioning properly. Prospective agents with expertisein this field shall be shortlisted in next 6 months. Also, small industries in the region currently using physico chemical treatment methods to treat their effluent shall be upgraded such as installation of dual media filter and Activated Carbon filter. Directions regarding	Individual Industries(Large and Medium) Individual Industries. UPPCB & Individual Industries. UPPCB & Individual Industries	Ongoing With in 06 months. 06Months 06months	Depends on the available latest technology and required structure	As per the categorization of industries by CPCB all concerning units provided online monitoring system in their industries. Technology upgradation of existing facility may be considered.

	installation of pH meter, automatic dozing and maintenance and proper running of ETPs have also been given in the District Level Committee held on 28/5/2012.					
	Groundwater Pollution 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.	UPPCB and local Authority. UPPCB	Ongoing Ongoing	Depends on the available latest technology and required structure		
	Domestic Waste Water (Sewage) Domestic sewage contributes to about 80% of Water. The status of Sewage Pollution Control is as follows: Effective operation & maintenance of installed STP. Combined Inspection of STPs by UPPCB and Jal Nigam Upcoming High Rise Buildings, Commercial Project, Educational Institution, Multi Plexes, Town ship & Building Projects are major source of sewage generation and Municipal SolidWaste. Such projects mustensure setting up of STPs, recirculation of treated water for flushing/gardening regarding purpose & ensure compliance of the conditions of the Environment Clearance and NOC from PCB.		Ongoing process	STPs/CETP Installed		
	Air Pollution Industrial: A total of air polluting industries have been identified in the region.	UPPCB & Individual Industries.	Stack Monitoring of Large & Medium units every 06 months and once in a	Depends on detailed study/ DPR prepared by UPPCB	Setup of Air monitoring laboratory in UPPCB Mathura and Strengtheningandupgradationof	

	Proposed Action Plan for effective control of Air Pollution: Regular Monitoring of Pollution Control System in Industries in order to ensure strict compliance of prescribed Norms.		Year for SSI units. (By UPPCB & by individual Industries)		Laboratory and skilled staff is required
	Illegal setup of Industrial activities Regular combined drives are to be carried out by Pollution control board and District Administration to identify and seal illegally operating industrial activities. UPPCL to ensure that electric connection is not sanctioned in favour of such industries which are not in conforming area.	UPPCB and District Admn. UPPCL and UdyogBandhu	Combined drives every 2 months by UPPCB & District Administration. Within 03 month	**5 Lakh**	Regular combined drives are to be carried out by UPPCB and District administration
	Monitoring of D.G Sets: Inventorisation of Old D.G. Sets in Industrial clusters and Commercial set ups including Multiplexes / Shopping Malls/ Educational Institution within or near industrial areas to be done by UPPCB. Post inventorisation remedial action with respect to air and noise pollution from likely sources shall be taken against defaulters Installation of Acoustic Enclosure with adequate stack height in Old D G Sets to be ensured.	UPPCB	06 Months. Ongoing 9 months	Depends on detailed study/ DPR prepared by UPPCB	Setup of Air monitoring laboratory in UPPCB Mathura and Strengthening and upgradation of Laboratory and skilled staff is required
	Noise Monitoring Board is procuring real time noise monitoring system. This will be installed in Commercial, Residential, Industrial and Sensitive Zones of the Region.	UPPCB	Ongoing	Depends on detailed study/ DPR prepared by UPPCB	Setup of Air monitoring laboratory in UPPCB Mathura and Strengthening and upgradation of Laboratory and skilled staff is required
	Land Pollution **Proper Storage & Disposal ofHazardous Waste &SolidWaste**	Individual Industry	To send waste every 03/04 months to TSDF	Depends on detailed study/ DPR prepared by UPPCB	Already done by the concerning industries situated in the region. Regular monitoring

	The status of Hazardous Waste Disposal are as follows:	UPPCB	To monitor individual industries every six months.		shall be done by UPPCB.
	Bio-Medical Waste Disposal member of authorized Common BMW Treatment Facilities Regular Inspection and monitoring of Hospitals / Nursing Homes has to be done	Regional Office, UPPCB	Inspection of Big Hospitals Every 03 months & Small Hospitals every 06 months by UPPCB.	Depends on detailed study/ DPR prepared by UPPCB	Most of the HCFs situated in this area have agreement with CBMWTF,

Environmental Management Plan for Critically Polluted Area Mathura

Prepared By

Regional Office
U.P. Pollution Control Board,
Mathura