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District Environment Plan [*Sonbhadra*]

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District Profile

Sonbhadra or *Sonebhadra* is the second largest district by area of Uttar Pradesh after Lakhimpur Kheri. It is established on 4 March 1989 from Mirzapur Division. District Sonebhadra is one of the largest district of the Uttar Pradesh with the total geographical area of 680961 hectare out of which 79937 hectare is net sown area. The district is situated in south eastern part of the state. It lies between 23.520 to 25.320 northern latitude and between 82.720 to 83.330 eastern longitudes.

Based on evidence from religious and cultural perspectives Ramayana and the Mahabharat, Huyen found here is the cultural symbol. By Jarasandh many rulers in the Mahabharat war was maintained prisoner here. The Valley of Son River abounds in caves which were the earliest dwellings of the primeval inhabitants. It is said that 'Bhars' had settlements along with Cheros, Searis, Kols and Kherwars communities in the district up to 5th century there was the rule of 'Kol' kings on Vijaygarh Fort. This district was famous as second Kashi during 11th to 13th century. In the 9th century B.C., the Brahmadutt dynasty was subdivided by Nagas. In the 8th and 7th century B.C., the present area of the district was in Kaushala and Magadha. Kushans and Nagas also held supremacy over this region before the advent of the Gupta period. After the death of Harshvardhan in the latter half of the 7th century, it remained under the control of the Gurjars and the Pratihars till 1025 before they were driven out by Mahmud of Ghazni. This area was under the administration of various Governors of Mughal emperors. Some of the forts such as Agori Fort were under the control of Madan Shah. During the 18th century, the district came under the control of the Narayan rulers of Benares State, who built or occupied several fortresses in the district. In the decade after 1775, the British took over administrative control of most of the territory of the rajas of Benares. The British district of Mirzapur included present-day Mirzapur and Sonbhadra districts, with all of present-day Sonbhadra district included in Robertsganj tehsil. On 4 March 1989, Sonbhadra district was divided from Mirzapur district.

The district has an area of 6,788 km² (2,621 sq mi) and a population of 1,862,559 (2011 census), with a population density of 270 inhabitants per square kilometre (700/sq mi). The district headquarters is in the town of Robertsganj. Sonbhadra district is an industrial zone and it has much bauxite, limestone, coal, gold, etc. It is called the "Energy Capital of India" because there are multiple power plants. In 2018 Uttar Pradesh's chief minister Yogi Adityanath recognised Sonbhadra as a tourist hub in Purvanchal region and further promoted by Uttar Pradesh Tourism Department.

It is located in the southeastern corner of the Uttar Pradesh. It is the only district in India which borders four states, namely Madhya Pradesh to the west, Chhattishgarh to the south, Jharkhand in the south-east and Bihar to the north-east. It lies in the extreme south-east of the state, and is bounded by Mirzapur District to the northwest, Chandauli District to the north, Kaimur and Rohtas districts of Bihar state to the north-east, Garhwa district of Jharkhand state to the east, Balrampur District of Chhattisgarh state to the south, and Singrauli district of Madhya Pradesh state to the west.

The MoEF&CC and CPCB has identified the non-attainment cities mostly in Indo-Gangetic Plains based on ambient air quality data for the period 2011 – 2015 and WHO report 2014/2018. However, many of cities in India, including state capital, have similar problems of outdoor air pollution. Anpara is one of the largest urban agglomerations in the National Capital Region has been identified as a NAC with the objective of evolving an action plan having action points with specific timelines based upon scientific inputs time bound actions and its effective implementation in order to bring down the pollution levels in the city. <https://cpcb.nic.in/approved-city-action-plans/>

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. Singrauli have Severely Polluted Industrial Areas (PIAs). <https://cpcb.nic.in/new-cepi-action-plan/>

a. Administrative Setup:

Vindhyachal division consists of three districts namely- Mirzapur, Sonbhadra and Bhadohi, and is headed by the Divisional Commissioner Vindhyachal. The Commissioner is the head of local government institutions in the division, in charge of infrastructural development in his division, and is also responsible for maintaining law and order in the division. Sonbhadra district administration is headed by the District Magistrate of Sonbhadra. The District Magistrate is assisted by Chief Development Officer and Additional District Magistrate.

Revenue/Administration

S. No.	Designation	Contact No.
1.	District Magistrate, Sonbhadra	9454417569
2.	Additional District Magistrate, Sonbhadra	9454417640
3.	SDM / Officer-in-Charge, Collectorate Sonbhadra	9454416844
4.	Deputy District Magistrate, Robertsganj	9454416845

5.	Tehsildar, Robertsganj	9454416848
6.	Khan Officer, Sonbhadra	8887534847

The district is divided into 04 Tehsils (Robertsganj, Ghorawal, Duddhi and Obra) and 10 Development Blocks (Robertsganj, Ghorawal, Chatra, Chopan, Nagwa, Babhani, Myorpur, Karma, Kone and Duddhi). Each Tehsil is headed by a Sub Divisional Magistrate. There are 67 Nayaya Panchyat, 501 Gram panchayat and 1443 revenue village in the district. Sonbhadra district police is headed by a Superintendent of Police. It has 03 Circle Office and 22 Police Stations.

The DM is assisted by a Chief Development Officer (CDO), Additional District Magistrates (ADM) (Finance/Revenue), one Chief Revenue Officer (CRO), one City Magistrate (CM) and all district level officers. Each sub-division headed by a SDM and block headed by BDO. The district administrative functions are administrated through E-governance and all the information available on the district website (<https://sonbhadra.nic.in>).

b. Local institutions

Local Bodies:
Nagar Palika Parishad - 01
Nagar Panchayat - 08

Tehsil- 04	Block - 10
Robertsganj	Robertsganj
	Ghorawal
Ghorawal	Chatra
	Chopan
Duddhi	Nagwa
	Babhani
Obra	Myorpur
	Duddhi
	Karma
	Kone

c. Natural Resources:

Water bodies

There are some small rivers running through the area and the major is the Son.

Availability of water resources: The northern part of the district lies on a plateau of the Vindhya Range, and is drained by tributaries of the Ganges including the Belan and Karmanasha rivers. South of the steep escarpment of the Kaimur Range is the valley of the Son River, which flows through the district from west to east. The southern portion of the district is hilly, interspersed with fertile stream valleys. The Rihand River, which rises to the south in the highlands of Surguja district of Chhattisgarh, flows north to join the Son in the center of the district. The Govind Ballabh Pant Sagar, a reservoir on the Rihand, lies partly in the district and partly in Madhya Pradesh. East of the Rihand, the Kanhar River, which originates in Chhattisgarh, flows north to join the Son.

Forest coverage

Sonebhadra district is very rich in forest vegetation which has very good bio diversity. The forest in the district is spread over 333608 hectare which is approximately 49.09% of total geographical area but the actual forest cover is only 36.50% of total geographical area, which is very rich in Medicinal plant and forest biodiversity. National Forest Policy, 1988 envisages minimum of 33% of geographical area under forest and tree cover. In continuation, section- 2,4 of State Forest Policy 2017 of Uttar Pradesh provide for increase in greenery by promoting plantation as mass movement by engaging different sections of society as students, ladies, farmers, differently able persons, ex army men, BPL families and forest dependent communities. According to a revised classification of forest type in India by Champion & Seth (1968), the forest type of Sonbhadra District is tropical dry deciduous. The whole

area of the district has an interesting diversity of flora and vegetation due to variable plains, slopes, hills, and climate, represented by dry deciduous vegetation, natural scrub jungle, patches of grasses, and thick forest. The whole area of the district is covered with rich plant diversity with trees at the top layer, shrubs at the middle layer, and herbs, climbers, and twiners at the ground level.

It is home of diverse flora and fauna. Many plant species like Kardhai, Sheesham, Teak, Chilbill, Arjun, Arru & Khair, Neem, Mango, Mauha, Saal, Sagaun, Babool, Kher, Kail are main trees of Jalaun District Forest. The Forests form the habitat for wild animals like Hayna, Nilgai, Jackals and various kinds of Serpents. The Forests also carry many bird species like eagles, Pecoaks, Doves, Cuckoo, Horrbills, and Parakeats etc.

According to India State of Forest Report-2019, the forest cover of Uttar Pradesh is 14,805.65 square kilometers which is 6.15% of state's geographical area. In terms of forest canopy density classes, the state has 2616.43 sq kms under very dense forest (VDF), 4080.04 sq kms under moderately dense forest (MDF) and 8109.18 sq kms under Open Forest (OF). Forest cover in the state has increased by 126.65 sq kms as compared to the previous assessment report (2017). According to forest survey of India report, during 2015 to 2019, Forest/Tree cover has increased by 89.93 sq kms.

To achieve the goals envisaged in the State Forest Policy, 2019; Government Order No 881/81- 5/2019-03/2019 dated 21st November, 2019 has allotted targets of plantation to different departments for the year 2020-21, 2021-22 and 2022-23. During Year 2020-21 50.09 lakh plants were planted against the target of 49.78 lakhs. Out of this, 18.96 lakh saplings were planted by Forest Department while 31.13 lakh saplings were planted by other departments. DEC continuously monitors the frontward survival of plants through inter departmental checking. Third party monitoring of plantations of the year 2019 was also done by Forest Survey of India.

d. Geography & Demography:

According to the 2011 census Sonbhadra district has a population of 1,862,559, of which male and female were 971,344 and 891,215 respectively. This gives it a ranking of 254th in India (out of a total of 640). The district has a population density of 270 inhabitants per square kilometre (700/km²). Its population growth rate over the decade 2001-2011 was 27.27%. Out of the total Sonbhadra population for 2011 census, 16.88 percent lives in urban regions of district. In total 314,342 people lives in urban areas of which males are 167,999 and females are 146,343.

Literacy rate:

literacy rate of 64%. Male and female literacy were 74.92% and 52.14% respectively. Total literate in Sonbhadra District were 985,708 of which male and female were 601,988 and 383,720 respectively.

Sex ratio and child population:

Sonbhadra has a sex ratio of 996 females for every 1000 males. In census enumeration, data regarding child under age six were also collected for districts Sonbhadra. There were total 323,092 children under age six against 302,834 of 2001 census. Of total 323,092 male and female were 167,870 and 155,222 respectively. Child sex ratio as per census 2011 was 925 compared to 956 of census 2001. In 2011, children under age six formed 17.35 percent of Sonbhadra District compared to 20.69 percent of 2001. There was net change of -3.34 percent in this compared to previous census.

Following are the details as per 2011 census

Actual Population	1,862,559	Population growth	27.27%.
(a) Male	971,344	Area Sq. Km.	
(b)Female	891,215	Density/Km²	270
Average literacy	64%.	Total child population (0-6 Year)	323,092
(a)Male literacy	74.92%	(a)Male(0-6 year)	167,870
(b)Female literacy	52.14%	(b)Female(0-6 year)	155,222
Literates	985,708	Sex ratio(per 1000)	918
(a)Male	601,988	Child sex ratio(0-6 year)	925
(b)Female	383,720	Child proportion (%)	17.35%

e. Land-use pattern

Land use pattern is largely influenced by the available irrigation facilities, which ultimately affect the economy of the area. Irrigation facilitates the intensive use of land resources and results in the increase of Gross Cropped Area and also improves the intensity.

S. No.	Particulars	Sonbhadra
1.	Total Geographic area	6905 km ²
2.	Total land area(ha)	361595
3.	Total Forest area (ha):	569
4.	Barren Land (ha):	7661
5.	Present Fallow Land(ha) :	55023
6.	Pasture(ha) :	682
7.	Total cropped area(ha)	254581
8.	Garden (ha):	15900
9.	Net Cultivated Area(ha)	313865
10.	Net Irrigated Area(ha)	112477

f. Climate:

Sonbhadra has a relatively subtropical climate with high variation between summer and winter temperatures. The average temperature is 30 to 46 °C (86 to 115 °F) in the summer and 2 to 15 °C (36 to 59 °F) in the winter. The weather is pleasant in rainy season from July to October.

Climatological data		
1.	Normal Rainfall (mm)	997.40
2.	Mean Maximum temperature	44.°C
3.	Mean Minimum temperature	5.2°C
4.	Average R. Humidity	56%
5.	No of Rainy Days:	58
6.	Wind Speed Maximum:	4.5Km/hr

2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules

(i) Solid Waste Management

a. Current status related to solid Waste management

	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	NA	NA	NA	NA
2	Municipalities (Nagar Palikas)	25	6196	36689	7.85 TPD (Tone Per Day)
3	Nagar panchayats (Town area Councils)				
	Ghorawal	10	1480	7291	1.5 TPD
	Pipari	12	2969	15063	3.08 TPD
	Churk-Ghurma	10	1236	6885	2.00 TPD
	Renukoot	11	4375	12409	2.35 TPD
	Dhudhi	11	1759	12560	2.50 TPD
	Anpara	0	8530	71971	13.01 TPD
	Obra	18	8997	46574	8.94 TPD
	Chopan (Dala Bazar)	11	1274	14302	1.5 TPD

	Local Bodies	No of Village panchay ats / Blocks	No of Househol ds	Population	Solid Waste Generated per day
2	Block /Taluk / Mandal Tehsils	Myourpur	2969	15063	3.08 TPD
3	Village/Gram Panchayats	-	-	-	-

b. Identification of gaps and Action plan:

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identificati on of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
1	Segregation						
(i)	Segregation of waste at source	Whether segregation at source practiced by households and other waste generators	Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be considered				
		segregation at source practiced by households is Approx 60% and rest 40% (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dudhi, Anpara, Obra, Chopan, Churk-Ghurma)	Awareness programs will be done by NGO workers (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dudhi, Anpara, Obra, Chopan, Churk-Ghurma)	2.0 Lakh (Nagar Palikas), 1.5 Lakh (Ghorawal), 1.0 Lakh (Pipari), 50 Thousand (Churk-Ghurma), 1.0 Lakh (Chopan), 1.0 Lakh (Dhudhi), 1.0 Lakh (Anpara), 1.0 Lakh (Obra), 1.0 Lakh (Renukoot).	0.0	ULBs	will be completed by December 23 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dudhi, Anpara, Obra, Chopan, Churk-Ghurma)
2	Sweeping						
(i)	Manual Sweeping	Example: % or length of road not covered for regular sweeping - Gaps in	Action plan for reducing gap including method cleaning, frequency of				

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		manpower Gap in availability of sweeping tools/ equipment Availability of suitable PPEs	sweeping etc.				
		There is gap in manpower and availability of sweeping tools, equipment and PPE kits. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Approx 90% manual sweeping done by ULB staff. Need 10 more staff for 100% manual sweeping. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	(Nagar Palikas), 6.0 Lakh (Ghorawal), 5.0 Lakh (Pipari), 1.0 Lakh (Churk-Ghurma), 3.0 Lakh (Chopan), 3.0 Lakh (Dhudhi), 15.0 Lakh (Anpara), 1.0 Lakh (Obra), 1.0 Lakh (Renukoot).	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(ii)	Mechanical Road Sweeping & Collection	Gaps if any in achieving targeted area or length of road identified for Mechanical Road Sweeping.	Projected growth / intended action plan with timelines				
		There is no Mechanical Road Sweeping and Partially collection been done by ULB.	By using road sweeping machine ULB can be covered 100% road sweeping and needed Hydraulic Truck for Collection.	50.0 Lakh (Nagar Palikas), 80.0 Lakh (Ghorawal), 50.0 Lakh (Pipari), 50 Lakh (Churk-Ghurma), 30.0 Lakh (Chopan),	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		(Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	(Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	30.0 Lakh (Dhudhi), 50.0 Lakh (Anpara), 30.0 Lakh (Obra), 50.0 Lakh (Renukoot).			Ghurma)
3	Waste Collection						
(i)	100% collection of solid waste	Whether 100% collection achieved?	Action plan to improve existing collection				
		80% collection achieved by the ULB in 25 wards. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Need 10% more staff for 100% manual sweeping. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	(Nagar Palikas), 3.4 Lakh (Ghorawal), 5.0 Lakh (Pipari), 5.0 Lakh (Churk-Ghurma), 3.0 Lakh (Chopan), 3.0 Lakh (Dhudhi), 5.0 Lakh (Anpara), 5.0 Lakh (Obra), 5.0 Lakh (Renukoot).	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(ii)	Arrangement for door to-door collection	Arrangement for door to door provided: % Of blocks/ wards covered	If there is gap, action plan for door-to-door collection across the district			ULBs	
		Arrangement for door to door collection 80% of wards	Need 10% more staff for 100% manual sweeping. (Nagar	5.0 Lakh (Nagar Palikas), 3.5 Lakh (Ghorawal),	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot,

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		covered out of 25 wards. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	5.0 Lakh (Pipari), 5.0 Lakh (Churk-Ghurma), 3.0 Lakh (Chopan), 3.0 Lakh (Dhudhi), 5.0 Lakh (Anpara), 5.0 Lakh (Obra), 5.0 Lakh (Renukoot).			Dhudhi, Anpara, Obra, Dala Bazar and Churk-Churma)
(iii)	Waste Collection trolleys with separate compartments	Check availability and adequacy and if it needs Upgradation	Action plan for procurement if required				
		needs upgradation (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	needs upgradation (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	2.0 Lakh (Churk-Ghurma)	-	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Churma)
(iv)	Mini Collection Trucks with separate compartments	Check if adequate or needs upgradation or not required	[Action plan for procurement if required]				
		required (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	required (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	10.0 Lakh (Ghorawal), 10.0 Lakh (Churk-Ghurma),	-	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Churma)

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
(v)	Waste Deposition centers (for domestic hazardous wastes)	Number of deposition centers required and no's available Or Any alternate Arrangement	Details of existing practice and scope for improvement or implement adequate system				
		MRF Plant is under construction (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Domestic Waste will be deposited at MRF center and Segregation will be done. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	25.0 Lakh (Ghorawal), 36.0 Lakh (Churk-Ghurma),	-	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Churma)
4.	Waste Transport						
(i)	Review existing infrastructure for waste Transport.	[Check (i) whether existing fleet is adequate (ii) check whether segregated waste transport possible, etc.]	Action plan for short-comings identified.			ULBs	
		As ULB is direct transporting the waste to land fill (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala	Land has been identified for landfill. ULB has already send the letter for DPR to the C&Ds. (Nagar Palikas, Ghorawal, Pipari,	55.0 Lakh (Ghorawal),	-	ULBs	After Fund/DPR Approval (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		Bazar and Churk-Ghurma)	Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)				Ghurma)
(ii)	Bulk Waste Trucks	[check adequacy]	[action plan for procurement if required]				
		Mini truck is available for Bulk Waste Trucks (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Needed a at least 3 mt bulk waste truck for waste. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	25.0 Lakh (Nagar Palikas), 15.0 Lakh (Ghorawal), 25 thousand (Pipari), 25 thousand (Chopan), 25 thousand (Dhudhi), 25 thousand (Obra), 25 thousand (Renukoot).	-	ULBs	will be completed by Dec 2023. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(iii)	Waste Transfer points	[check whether available / adequacy]	[action plan for installation if required]				
		As ULB is direct transporting the waste to land fill. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala	Land has been identified for landfill. ULB has already sent the letter for DPR to the C&Ds. (Nagar Palikas, Ghorawal, Pipari,	25.0 Lakh (Ghorawal),	0.0	ULBs	After Fund/DPR Approval (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		Bazar and Churk-Ghurma)	Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)				Ghurma)
5	Waste Treatment and Disposal						
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	Whether number of bulk waste generators identified for installation	Action for getting on-site composting plants commissioned			ULBs	
		No Bulk waste generator inside the ULB. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	No Bulk waste generator inside the ULB. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	5.0 Lakh (Ghorawal),	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wet waste.	Whether facility exists / functional / Needs upgradation?	If not action plan for developing / upgradation of bio-methanation or composting facility				
		20% Composting temporary composting is done by ULB	Plan for developing / upgradation of bio-methanation or	50 Thousand (Nagar Palikas), 7.0 Lakh (Ghorawal),	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot,

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		(Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	composting facility	50 Thousand (Pipari), 50 Thousand (Churk-Ghurma), 50 thousand (Chopan), 50 thousand (Dhudhi), 50 Thousand (Anpara) 50 thousand (Obra), 50 thousand (Renukoot).			Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	Whether MRF facility exists? / is there any arrangement to sending the dry-waste to any common MRF or sent to Waste to energy plant or % Dry - waste converted as RDF For Need to set-up own Waste to Energy plant?	Action plan for use of dry segregated waste in MRF operation			ULBs	
		Under Construction (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Action plan for use of dry segregated waste in MRF operation. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar	10.0 Lakh (Ghorawal),	-	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)

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S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
			and Churk-Ghurma)				
(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Does the agency still dispose waste in dumpsites? Whether sanitary landfill available? Plan for constructing sanitary landfill or arrangement with ULBs	Action plan (i) to construct sanitary landfill If required (ii) Action plan to minimize landfilling				
		ULB disposing waste in dumpsites. Sanitary landfill available. Plan for constructing sanitary landfill. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Land has been identified for landfill. ULB has already sent the letter for DPR to the C&Ds (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	5.0 Lakh (Ghorawal),	0.0	ULBs	After Fund /DPR Approval (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(v)	Remediation of historic / legacy dumpsite	Whether existing old dumpsite if any required Remediation as per rules?	Action plan for remediation of legacy / historic dumpsite.				
		Legacy waste available at (Ghorawal) No Legacy waste available at Nagar Palikas, Pipari, Renukoot,	Land is available for Dumpsite (Ghorawal)	6.0 Lakh (Ghorawal),	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma					Bazar and Churk-Ghurma)
(vi)	Involvement of NGOs	Whether involvement of NGOs envisaged	NGOs can be involved for management of solid waste campaign				
		Lions Club (Nagar Palikas, Ghorawal,)	Planning Some more NGOs to be involve for Companion.	-	-		Regular Activity (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	As per rules, producers and brand-owners should facilitate in collection of packaging waste	Action plan for linkage of all producers/brand owners or their PROs for collection of plastic waste				
		There is no brand-owners should facilitate in collection of packaging waste (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and	plan will prepare as soon as possible (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	-	-	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)

S. No.	Action points for villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan			Responsible agencies	Timeline for completion of action plan
			Action Point	Budget Required	Budget Available		
		Churk-Ghurma)					
(viii)	Authorization of Waste Pickers	Yes/No	List of authorized waste pickers should be Available				
		YES (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	List of authorized waste pickers should be Available (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	0.0	0.0	ULBs	Regular activity (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes/No	If not prepared action plan for preparation of by-laws which may be applicable in cantonment Board jurisdiction	0.0	0.0	ULBs	
		Yes	By-Laws are implemented.	0.0	0.0	0.0	Regular activity

Plastic waste:**(II) Plastic waste Management****a. Current status related to Plastic waste management**

	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	
2	Municipalities (Nagar Palikas)	0.2355 TPD
3	Nagar panchayats (Town area Councils)	
	Ghorawal	0.075 TPD
	Pipari	0.2355 TPD
	Renukoot	0.0705 TPD
	Dhudhi	0.125 TPD
	Anpara	0.213 TPD
	Obra	0.268 TPD
	Churk-Ghurma	0.075 TPD
	Chopan (Dala Bazar)	0.0355 TPD

	Local Bodies	Plastic Waste Generated per day
2	Block /Taluk / Mandal Tehsils	-
3	Village/Gram Panchayats	-

b. Identification of gaps and Action plan:

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
1.	Door to Door collection of dry waste including PW	[100%] / [partial %] / [not initiated]	If not 100 %, action plan for door-to-door collection of SW				
		partial (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Need 10 more staff for 100% door to door collection of SW (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	5.0 Lakh (Ghorawal), 10.0 Lakh (Churk-Ghurma), 5.0 Lakh (Anpara),	0.0	ULBs	Regular activity (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
2.	Facilitate 19inimizin collection of PW at Waste transfer point or Material Recovery Facility	This infrastructure is linked to SW management. May check gaps with respect to: • Availability	Within the district outline specific plans for Each village panchayat/block /municipality / Nagar				

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
		ty of transfer points and material recovery facility <ul style="list-style-type: none"> • Involvement of informal sector / NGO. • Registering waste pickers • Linkage with PW recyclers Involvement of producers and brand-owners	panchayat / Corporations for plastic waste collection				
		Material recovery facility is Under Construction Involvement of informal sector / NGO. Registering waste pickers owners	Deposite at MRF center and Segregation will be plan.	15.0 Lakh (Ghorawal), 36.0 Lakh (Churk-Ghurma),	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)
3.	PW collection Centres	Local Bodies may set-up own centres and also involve producers and brand-owners or their PROs to facilitate setting up of collection centres.	Plastic waste collection centre should be established in adequate numbers. Coordination with State Urban Department may be necessary				
		MRF is Under Process. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	Plan for use of dry segregated waste at MRF center. Plastic waste collection centres should be in MRF Center. will be used for PW collection center	12.0 Lakh (Ghorawal), 36.0 Lakh (Churk-Ghurma), 3.0 Lakh (Renukoot),	0.0	ULBs	Dec 2023 (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
			(Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)				
4.	Awareness and education programs implementation	Review existing gaps in creating awareness among public for minimizing and recycling PW	Education through mass media, schools, Producer / brand owner campaigns and other channels				
		Awareness Done by ULB among public for minimizing and recycling PW (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk- Ghurma)	Education through mass media, schools, Producer / brand owner campaigns and other channels (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	6.0 Lakh (Ghorawal) , 5.0 Lakh (Churk- Ghurma), 1.0 Lakh (Renukoot) ,	0.0	ULBs	Regular activity (awareness for pw recycling being done by ulb on regular bases through different channel exp. Media, newspaper, poster etc.)
5.	Access to Plastic Waste Disposal Facilities	Check if District has access to PW recycling / utilization or disposal facilities..	Check if PW recycling facilities available at reasonable distance; Channel for sending PW collected to cement plants for processing; Availability of waste plastic oil producing facilities; Linkage with PWD for usage				

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
			of PW in road making. Action plan at district should involve Urban and Rural Local bodies				
		No Access Plastic Waste Disposal (Nagar Palikas, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar)	Plan for Shedder machine & other Equipment for purchase by ULB (Ghorawal), (Churk-Ghurma)	7.0 Lakh (Ghorawal), 12.0 Lakh (Churk-Ghurma)	-		under process

(III) C & D Waste Management**a. Current status related to C & D Waste**

Details of Data Requirement	Present Status
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	2 MTPD (Nagar Palikas) 0.5 MTPD (Renukoot) 0.01 MTPD (Ghorawal) 0.02 MTPD (Dhudhi) 0.03 MTPD (Anpara) 0.02 MTPD (Obra) 0.02 MTPD (Dala Bazar) 0.02 MTPD (Churk-Ghurma)
Does the District has access to C&D waste recycling facility?	Site is not available. Under Construction-Fund required.

b. Identification of gaps and Action plan:

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Check gaps w.r.t: - Separate collection point of C&D Waste - Identification of common C&D waste deposition points -	Action plan for every local body in district. District may identify common C&D waste deposition points.				

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
		C&D waste deposition point is available under construction	C&D waste deposition point is under construction with the help of 15th FC tied grant.	10.0 Lak h (Churk-Ghurma)	-	ULBs	Dec 2023
2.	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	Check gaps with respect to: - Local by-laws to pay user fee - Implementation of a system to permit bulk generators (>20 tons in one day or 300 tons per project)	Common by-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities				
		By-Laws for C&D waste are implemented. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	By-laws may be implemented in District. Local C&D waste management plans can be integrated to develop common collection and recycling facilities. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	-	-	ULBs	Dec 2023
3.	C&D recycling Facility	Check whether district has any C&D waste recycling facility	Action plan for setting up C&D recycling facility in the District or tie-up with any other district or ULB			ULBs	

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
			for setting up common facilities. Plan should ensure viable operation of C&D plant including assured market for C&D products.				
		C&D waste recycling facility needed. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	C&D waste recycling facility will be setting up after the completion of C&D waste deposition point. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	-	-	ULBS	Dec 2023
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Is there any policy on usage or promotion on usage of C&D waste?	Local authority may make give appropriate incentives on usage of C & D waste. A % of usage in public works may be specified / any other scheme.				
		C&D waste material will be used in non-structural concrete, paving blocks, lower layers of road pavements (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	After setting up C&D waste recycling facility, C&D waste material will be used in non- structural concrete, paving blocks, lower layers of road pavements. (Nagar Palikas, Ghorawal, Pipari, Renukoot,	-	-	ULBs	Dec 2023

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
			Dhudhi, Anpara, Obra, Dala Bazar and Churk- Ghurma)				
5.	ICE on C & D waste management	Is there any sustained system of creating awareness created among local communities?	Action plan for awareness and education				
		IEC on C&D waste management required. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk-Ghurma)	IEC on C&D waste management will be done with the help of NGO and different stakeholders. (Nagar Palikas, Ghorawal, Pipari, Renukoot, Dhudhi, Anpara, Obra, Dala Bazar and Churk- Ghurma)	-	-	ULBs	Dec 2023

(IV) Biomedical Waste Management**a. Current Status related to biomedical waste**

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	116 Nos. in Sonbhadra District
Total no. of non-bedded HCF	77 Nos.
No. of HCFs authorised by SPCBs/PCCs	127 Nos.
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	Nil
Capacity of CBWTFs	NA
No. of Deep burials for BMW if any	NA
Quantity of biomedical waste generated per day	518 kg/day
Quantity of biomedical waste treated per day	518 kg/day

b. Identification of gaps and Action plan:

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
1.	Inventory and Identification of Healthcare Facilities	Check whether all HCFs including, clinics, hospitals, Veterinary hospitals, Aayush hospitals, animal houses, etc generating biomedical waste area identified and authorised by SPCBs/PCCs	Action plan for completing / updating of inventory authorization HCFs PCCs by SPCBs/ of and			Health Department	
		127 Nos. of HCFs authorized by SPCBs/PCCs in Sonbhadra District	Inventory Prepared	-	-	UPPCB/ Health Department	Regular activity
2	Adequacy of facilities to treat biomedical waste	Check if there is any gap between Quantity of Biomedical Waste generated per day and quantity of Biomedical Waste treated and disposed in the district? In case of no access to CBWTFs, adequacy of existing disposal of BMW	Action plan for setting-up CBWTF or providing access to CBWTF with 75Km from places waste generation Including identification of site for setting up such facility. Action plan for management of BMW through captive facilities in case of no access to CBWTF				
		Partially gap between waste generated and treated	Health care facilities send their biomedical waste to authorized CBWTFs	-	-	UPPCB / Health Department	Regular activity
3	Tracking of BMW	Check whether bar code system is implemented by all HCFs and CBWTFs?	Plan for implementation of bar code system by			Health Department/UPPCB/	

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
			all HCFs and CBWTFs in the district			CBWTF	
		Department will plan to implementation of bae code system	Department will plan to implementation of bae code system	-	-	Health Department/ CBWTF/CMO	Partially Complied
4	Awareness and education of healthcare staff	Whether training has been organized For all stakeholders?	Action plan for awareness programs And training to healthcare staff and ULB officials			Health Department/ UPPCB	
		Training is organized	Awareness programs And training to healthcare staff had been done on dated 29-09- 2021.	-	-	Health Department/CMO	Regular activity
5	Adequacy of funds	Whether adequate funds is allocated to Government health care facilities for bio- medical waste management by State Govt.?	Action plan for ensuring adequate funds to Government health care facilities for bio- medical waste				
		Available budget is given here	Available budget is given here	-	Rs 5413680	Health Department/CMO	Ongoing
6	Compliance to Rules by HCFs and CBWTFs	Is there any district level mechanism to monitor compliance by Hospitals/ HCFs?	Draw action plan to monitor compliance of HCFs and CBWTFs through SPCBs/PCCs.			Health Department/ HCFs (Health Care Facilities)	
				-	-	UPPCB/ Health Department/ HCFs (Health Care	Complied & Regular Activity

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
						Facilities)	
7	District Level Monitoring Committee	Check whether District Level Monitoring Committee has been constituted and meetings are being organized?	Action plan w.r.t periodicity of reviews and follow-up by DLMC. Identify teams in health department to monitor compliance.				
		Yes, District Level Monitoring Committee has been constituted and meetings are being organized	In District Sonbhadra District Level Monitoring Committee (DLMC) constituted on dated: 26.03.2022 and meeting regarding BMW will be organized soon.	-	-	Health Depart ment/C MO	Complied
8.	Wastewater Treatment	Check if HCFS are required to install ETPs for wastewater generated.	Action plan by HCFs where applicable. for installation of ETPs				
						UPPCB	Complied

(V) Hazardous Waste Management**a. Current Status related to Hazardous Waste Management**

[Major source of hazardous waste (HW) is industries and facilities located in the districts, who are required to be regulated under Water (P&CP) Act 174, Air (P&CP) Act 1981 and E(P) Act, 1986 and the Rules notified thereof. Many commercial establishments like automobile repair shops, paint workshops, stores, etc. may also generate small quantities of hazardous waste. The district administration should be aware of the type of hazardous waste generation in their district and adequacy of facilities for safe handling and disposal within or outside District. Linkage of district administration with common TSDFs in the State is necessary to establish system for safe disposal of domestic hazardous waste]

Details of Data Requirement	Present Status
No of Industries generating HW	20 Nos. in Sonbhadra District
Quantity of HW in the district	87819.38 MT/Annum
(i) Quantity of Incinerable HW	270 MT/Annum
(ii) Quantity of land-fillable HW	4788.9 MT/Annum

(iii) Quantity of Recyclable / utilizable HW	Recyclable- 78456.46 MT/Annum Utilizable-4301.0 MT/Annum
No of captive/common TSDF	Nos of integrated TSDF- 03 Nos.(Not in Sonbhadra District) Nos of SLF- Nil No of Standalone incinerators- Nil
Contaminated Sites or probable contaminated sites	Nil

b. Identification of gaps and action plan:

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
1.	Regulation of industries and facilities generating Hazardous Waste	Check whether all hazardous waste industries are identified and authorized by SPCBs/PCCs	SPCB/PCC should ensure that all hazardous waste industries are authorized and a system of safe disposal.				
		20 No. of Industries generating HW	Partially Complying	01 Lak h	Not allotted by department	UPPCB	Regular Activity
2.	Establishment of collection centres	Check district has collection centers for hazardous wastes with linkage to common TSDFs / recyclers	Local authority should ensure that adequate number of collection centers should be established and are linked to Common TSDFs.				
	There is no any TSDFs recycler in district Sonbhadra.	All Industries send HW to Authorized TSDFs.	All Industries send HW to Authorized TSDFs.	NA	Not allotted by department	UPPCB	Regular Activity
3.	Training of workers involved in handling / recycling / disposal of HW	Identify facilities/ industries engaged in recycling/ pre-processing/ disposal of hazardous waste in the	Action plan to train the workers on safety aspects through Department of Industries as per provisions un				

		district.	derHOWM Rules, 2016				
	Handling/ recycling/ disposal of HW done by Authorized TSDFs recyclers.	20 Industries are engaged in generating HW and recycling /pre-processing /disposal of HW carried out By Authorized TSDFs recyclers .	-	NA	Not allotted by department	UPPCB	Regular Activity
4.	Availability / Linkage with common TSDF or disposal facility	Check if the generators of HW have access to common TSDF in the State?	Action plan to ensure all generators are linked to TSDF / Action plan in case there is no TSDF in the district or State – in such case evaluate existing storage and captive disposal facilities through SPCBs/PCCs				Ongoing/ Regular Activity
	All Industries generating HW have Membership Certificate to Authorized TSDFs	All Industries generating HW have Membership Certificate to Authorized TSDFs	All 20 Industries linked to TSDF for safe disposal of HW. All industries send Hazardous waste yearly return form-IV as per Hazardous and other wastes (Management and trans boundary Movement) rule, 201	NA	Not allotted by department	UPPCB	Regular Activity
5.	Contaminated Sites	Are there any sites where soils/sediments / groundwater contaminated due to dumping of industrial wastes	Action Plan for identification of probable contaminated site, incidents of HW dumping, responsible parties for contaminated site etc.				

			and to remediate contaminated sites				
		In Sonbhadra District 05 No. of Contaminated site has been identified out of which 01 site Ground water sample reveals no contamination in water.	04 Sites GW report is awaited	-NA	Not allotted by department	UPPCB	Complied

(VI) E-Waste Management**a. Current Status related to E-Waste Management**

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	29.287 MT/Year
Collection centers established by ULBs in the District	Nil
Collection centers established by Producers or their PROs	16 Nos. industries collect their E-waste in Industry Premises and send to authorized recyclers/dismantlers/bulk consumer.
No authorized E-Waste recyclers /Dismantler	Nil

b. Identification of gaps and action plan:

S. No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
1	Inventory / Generation of E-Waste / Bulk-waste generators	Check whether SPCB/PCC has completed inventory of E-Waste in the District. Inventory of bulk wastegenerators	Completion of inventory				

	E-Waste Annual return inventory provided by industries to RO UPPCB, Sonbhadra in ever FY and send to UPPCB, LKO	E-Waste Annual return inventory provided by industries to RO UPPCB, Sonbhadra in ever FY and send to UPPCB, LKO	Complied	NA	Not allotted by department	ULBs /UPP CB	Complied & Regular Activity
2	E-Waste collection points	Availability of E-Waste collection points / call centres / kiosks in villages - Blocks / /towns / cities	Identification / registering E-Waste collection centres in association with Producers - their PROs or Recyclers				
		16 Nos. industries collect their E-waste in Industry Premises and send to authorized recyclers/dismantlers/bulk consumer	There is no any E-Waste collection center in district sonbhadra. All Industries hold E-Waste in their premises and later Send E-Waste to authorized Recycler.	-	Not allotted by department	UPPCB	Complied & Regular Activity
3	Linkage among Stakeholders to channelize E-Waste	Check whether District administration has information on collection centres established by Producers / PROs? Administration should also identify authorised E-Waste recyclers in the district or in State to channelize E-waste collected in District.	Action plan to establish linkages between ULBs / Collection Centres of Producers and PROs / SPCBs / Bulk waste generators / Recyclers / SPCBs / District Administration / Public				
		There is no any identify authorized E-Waste recyclers in the district Sonbhadra	All bulk Consumer Send their E- Waste to Authorized Recycler or Dismantles.	-	Not allotted by department	ULBs /UPPC B/District Administration	Complied
4	Regulation of	Prevalence of informal trading,	Action plan in coordination with				

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	Illegal E-Waste recycling / dismantling	dismantling, and recycling of E-waste in District	SPCBs/PCCs and District Administration to check this activity.				
		There is no refurbishment & recycling unit in Sonbhadra.	-	-	Not allotted by department	ULBs /UPP CB/D istrict Administration	There is no any e-waste recycling units in district sonbhadra
5	Integration of informal sector	Whether mechanism exists for bringing informal sector into main stream in collection and recycling of E-Waste	Evolve mechanism by involving producers / PROs.				
		-	In District Sonbhadra there is no any E-waste recycler Unit/Industries. All e-waste generating unit send their e-waste to authorized recycler for proper disposal of e-waste.	-	-	UPPCB/ Others/ Sectors	ongoing
6	Awareness and Education	Are there any programs at district level for awareness about E-waste management?	Plan special workshops and awareness campaigns through Producers / PROs				
		Yes	Regular Awareness program/Education organized by Stake Holder's /Industries to their staffs for proper Handling/Transpiration of E-Waste.	-	-	ULBs/ UPPCB/Other Department	Regular activity

3.0 Air Quality Management

a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status

District Environment Plan [Sonbhadra]

Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Centralgovt./ PSU agency : - Operated by Industry:	20 Nos. Nil 20 Nos. in Sonbhadra District. CAAQMS Station Details Attached in Annexure No.1
Number of manual monitoring States operatedby SPCBs	02 Nos. 01 at Anpara Colony, Anpara, Sonbhadra 01 at Renusagar Colony, Sonbhadra.
Name of towns / cities which are failing to comply with national ambient air qualitystations	Anpara & Renusagar
No of air pollution industries	22 Nos.
Prominent air polluting sources [Large Industry] / [Small Industry] / [UnpavedRoads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	Large Industry-22 Stone Crusher:385 Brick Kiln:07 [Identified Pollution Hotspot Details Attached in Annexure No.2]

b. Identification of gaps and action plan:

S.No.	Action points For village panchayat s/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
1.	Identification of prominent air polluting sources?	Carry out inventory of air pollution sources in District including hotspots or areasof concern pertaining to air pollution in association with SPCBs/PCCs may					
		Identified Air polluting sources (Hotspot) details are attached in Annexure No.02	Hotspots Area in Non -attainment city i.e. Anpara, Sonbhadra region has been identified and action plan has been prepared to to reduce air pollution.	NA	Not allotted by department	UPPCB	Complied & Ongoing
2.	Ambient Air quality data?	Plan to get access to available air quality monitoring stations in the District					

District Environment Plan [Sonbhadra]

		operated by both public and private Agencies.					
	Online Air Quality monitoring cell is established by Central Lab laboratory of UPPCB at T.C. 12V, Vibhuti Khand, Gomati Nagar, Lucknow and it is operational properly.	AQI data are available for Anpara non-attainment city. AQI data from manual monitoring station is available on UPPCB website on monthly basis while real time data from CAAQMS is available on national portal (Sameer App) maintained by CPCB. All CAAQMS Stations are Connected to CPCB Server.	<ul style="list-style-type: none"> 02 Manual Ambient air quality Monitoring stations installed in anpara Sonbhadra. 	NA	Not allotted by department	UPPCB	Regular Activity & Complied
3	Setting up of Continuous Ambient Air Quality Monitoring Station	Like weather station, District may also have ambient air quality monitoring at major urban settlements or populated areas. Action plan may propose setting up at least one CAAQMS in District. Also access data generated by CAAQM stations installed by other pvt/public agencies District authority in association with local office of SPCB/PCC should also ensure that at least one manual Air Quality monitoring station is available in each city District admin may set-up its own network of CAAQMS or manual stations	.				
	20 Nos. CAAQMS (By Industries) installed in Sonbhadra District. CAAQMS Station Details Attached in Annexure No.1	<p>Current status of monitoring stations in Sonbhadra is:</p> <p>Installed CAAQMS-20 (By Industries)</p> <p>Installed Manual AQMS-02 (01-Anpara Colony & 01-Renusagar Colony)</p>	01 CAAQMS station is under process of installation in Anpara city. 03 Manual stations are required as per CPCB guideline 02 Manual stations already installed 01 Manual station required to be installed	3.7 Lakh Additional budget required for stabilization of 01 Manual Monitoring.	-	UPPCB	March 2023

4.	District Level Action Plan for Air Pollution	Action plan should be prepared for both improvement of existing air quality as well as for non-attainment days to national ambient air quality standards. Measures may include multi sectoral approach for air pollution control such as promotion of public transport, use of green fuels, E-mobility, LPG based cooking, carpeting open areas/kerbs, etc. Action plans envisaged in NCAP project initiated by MoEF&CC may be referred. Graded response Action Plan Also prepared to reduce Ambient Air Pollution mainly during winter season.					
	MoU between Central Pollution Control Board (CPCB) and State Pollution Control Board (SPCB) and Urban Local Body (ULB) is under process for release and utilization of funds Under National Clean Air Program (NCAP)	Anpara Action Plan Prepared by RO Office UPPCB Sonbhadra with co-ordination of other concern department. Under National Clean Air Program (NCAP) to improve Ambient Air Quality City level Implementation Committee established	Micro and Anpara Action plan, Sonbhadra prepared. under NCAP City Implementation committee has been constituted to run & monitor activities under NCAP Program, so that ambient air pollution should be minimized & ensure Ambient air quality under limit/Standard.	-	-	UPPCB/ULB	Ongoing/ Anpara Action Plan, Micro Action Plan, NCAP & Other Plan prepared.
5.	Hotspots of air pollution in District	hotspot with respect to air pollution (such as stubble burning, illegal waste burning, unauthorised operations,					

District Environment Plan [Sonbhadra]

		cluster activities, forest fires etc.) should be identified and localised action plan for mitigation of the same should be prepared					
	Air Polluting sources has been indentified in Anpara city, of Sonbhadra District. Details are attached in Annexure No.02	Micro Action Plan and Anpara (non-attainment city) action plan prepared to reduce pollution.	Hotspot Areas in Anpara area has been identified and Action plan prepared to reduce air pollution.	-	Not allotted by department	UPPCB	Complied & Ongoing Activity
6.	Awareness on Air Quality	Plan for dissemination of information on local airquality in towns and cities located in District. May consider developing Mobile App / Online portal for dissemination of airquality as well as to take complaints on local air pollution.					
		<ul style="list-style-type: none"> The State has a functional portal "Integrated grievance Redressal System"(IGRS) for redressal of complains. Regular disposal of complains done. Real time data from CAAQMS is available on national portal (Sameer App) maintained by CPCB. Swachh Vayu App has been developed by UPPCB and is operational since June 2020 for compliant. 	Implementation program for Environmental Education, Training and Awareness is to be prepared.	-	Rs 80000 allotted for Environmental Education, Training and Awareness Program. Budget allotted for 2021-22	UPPCB	Regular Activity

		Regular monitoring of complaints of other agencies is also done.					
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4.0 Water Quality Management

4.1 Water Quality Monitoring

a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	[Names and Length of each river in Km]
Length of Coastline (if any)	[Nil]
Nalas/ Drains/Creeks meeting Rivers	09 No. of Drains Discharge in Rihand Reservoir. Details are attached in <u>Annexure No. D1</u> Pipri-0 Obra-20 Nalas Renukoot-02 Nala
Lakes / Ponds	[Nos] and [Area in Hectares] Pipri-Nil Obra-Nil Renukoot-Nil
Total Quantity of sewage from towns and cities in District	[Not Quantified]
Quantity of industrial wastewater	6578.49 MLD industrial waste water discharge from 17 Nos. of Industrial Effluent Treatment Plant (ETP). Details of Industries with ETP Capacity are attached in <u>Annexure No. WW1</u>
Percentage of untreated sewage	100 %
Details of bore wells and number of permissions given for extraction of groundwater	Pipri-Nil Obra-02 Renukoot-Nil
Groundwater polluted areas if any	[Nil]
Polluted river stretches if any	[Nil]

b. Identification of gaps and action plan for water quality monitoring:

S.N	Action	Identification of gap	Action plan	Agencies	Target
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o.	points For village panchayats / blocks/ municipalities / corporations		Action Point	Budget Required	Budget Available	Responsible	time for Compliance
1.	Inventory of water bodies	An environmental monitoring cell shall maintain data of all waterbodies (rivers / canals / natural drains / creeks / estuaries / groundwater / ponds / lakes / etc.) in district including its water quality					
		Inventory of Drains discharging in Rihand Reservoir has been identified by UPPCB, Sonbhadra Details attached in annexure No.D1 Other ULBs should also prepare Inventory of water bodies	-	Not allotted by department	-	UPPCB/Jal Nigam/Irrigation Colony	Partially & Ongoing activity
2.	Quality of water bodies in the district	Check availability of data on water bodies. Create a district level monitoring cell for periodic monitoring of water bodies for specific parameters in association with SPCBs. It is also necessary to disseminate information pertaining to water quality in the form of hoardings on river banks, official websites, etc.					
		In Sonbhadra District At 2 points Monitoring of Son River water sample is done by CPCB and also at 02 points Monitoring of Rihand Reservoir water sample is done by Regional Office UPPCB, Sonbhadra Under NWMP Program.	Budget allotted under NWMP Program for sampling of Son River Water sample by UPPCB Sonbhadra.	-	Budget allotted under NWMP Program.	UPPCB/Jal Nigam	Partially Completed
3.	Hotspots of	Check trends of water					

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	water contamination	quality and identify hotspot of surface water and ground water. Establish a system or separate cell to monitor water quality. Implement action points for restoration of water quality in Association with SPCBs and department of environment.					
		Budget and man power required for identification/Survey of Contaminated Water and quality of water.	-	Budget plan under process	-	UPP CB/Jal Nigam	Ongoing
4.	Protection of river / lakewater front	Action plan should be prepared for control river side open defecation, dumping of Solid waste on river banks, for idol immersion etc.			NA		
		Regular monitoring and strict rules should be prepared and penalty should be imposed on open defecation & dumping of Solid waste on river bank/water bodies.	-	Budget plan under process	-	Jal Nigam/Irrigation Dept.	Ongoing
5.	Inventory of sources of water pollution	Check whether inventory of all sewage and wastewater discharge points into water bodies in the district. Action plan to complete inventory.					
		In Sonbhadra District 17 Nos. industries has installed ETP for Industrial effluent treatment and 11 No. industries has installed STP for industrial household Sewage treatment.	Industries to achieve ZLD are Partially compiled. Inventory of ETPS And STPs in district Sonbhadra should be prepared.	-	-	UPPCB/Jal Nigam/ULBs	Ongoing
6.	Oil spill disaster management (for coastal	Whether district oil spill crisis management group and District Oil Spill Disaster Contingency Plan have been created?	-	-	-	Other	

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	districts)	If not, create District Oil Spill Crisis Management Group and District Oil Spill Disaster Contingency Plan for the district.					
7.	Protection of flood plains	Check whether there is regulation for protection of flood plain encroachment? Action plan should be prepared for protection flood plain and prevention of encroachment.					
		No any flood plains	-	-	-	Irrigation Department/Other	
8.	Rejuvenation of groundwater	Check availability of Ground water and if required prepare action plan to rejuvenate ground water in selected areas. Action plan should be prepared for Rain water harvesting	.				
		Encouragement for proposal of Rainwater harvesting System in government building constructions	-	Budget should be included in every Government Building Design/Projects for Rain water Harvesting	-	PWD/Others/Jal Nigam/CGWB	Regular activity
9.	Complaints redressed system	Check whether there is any complaint redressing system based on Mobile App / Online, is available? If not, a complaint redressing system based on Mobile App / Online should be available at district level					
		Online Integrated Grievances Redress System (IGRS) system has been developed. Complaints on IGRS portal disposed timely.	-	-	-	UPPCB	Complied

4.2 Domestic Sewage : No any sewerage network available in Sonbhadra District

a. Identification of gaps and action plan for treatment of domestic sewage

Details of Data Requirement	Present Status
No of Class-II towns and above	Nil
No of Class-I towns and above	Nil
No of Towns STPs installed	Nil
No of Towns needing STPs	Nil
No of ULBs having partial underground sewerage network	0
No of towns not having sewerage network	0
Total Quantity of Sewage generated in District from Class II cities and above	0
Quantity of treated sewage flowing into Rivers (directly or indirectly)	0
Quantity of untreated or partially treated sewage (directly or indirectly)	0
Quantity of sewage flowing into lakes	0
Total available Treatment Capacity	0

b. Identification of gaps and action plan for treatment of domestic sewage:

S.No	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan			Agencies Responsible	Target time for Compliance
			Action Point	Budget Required	Budget Available		
1.	Sewage Treatment Plants (STPs)	Check whether Existing capacity of STPs is adequate for treatment of sewage? If no, action plan for additional treatment capacity required should be prepared in association with ULBs / department of UD,	Power plants and NCL & Other Industries Should install STPs for treatment of Colonies Sewage. ULBs/ Jal Nigam should proposed STPs if required.	-	-	Jal Nigam/ ULBs/ UPPCB	
2.	Underground sewerage network	Check available Sewerage network and prepare Action plan for laying of sewerage network in town and cities. The project may be executed through ULBs and Department of UD.	ULBs/ Jal Nigam should proposed Plan for laying of Sewage system.	-	-	Jal Nigam/ ULBs	

5.0 Industrial wastewater management**a. Current Status related to Industrial Wastewater Management**

Number of Red, Orange, Green and White industries in the district	Nos of Red industries-14 Nos of Orange industries-405 Nos of Green industries-08
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No of Industries discharging wastewater	17 Nos.
Total Quantity of industrial wastewater generated	6578.49 MLD
Quantity of treated industrial wastewater discharged into Nalas / Rivers	Approx. 6500.00MLD
Common Effluent Treatment Facilities	Nil
No of Industries meeting Standards	17 Nos.
No of Industries not meeting discharge Standards	Nil

b. Identification of gaps and action plan for industrial wastewater:

S. No	Action Points	Gaps and Action Plan	Action Plan			Responsible Agency	Timeline for completion of action plan
			Action point	Budget Required	Budget available		
1.	Compliance to discharge norms by Industries	Identify gaps w.r.t industries not Meeting the Standards. Necessary action be initiated through SPCBs against the industries not Meeting the standards					
		Identify gaps w.r.t industries not Meeting the standards. Necessary action be initiated through SPCBs against the industries not meeting the standards. <u>Gaps-</u> Industries are achieving partial ZLD.	<ul style="list-style-type: none"> Industries should achieve ZLD. EC should be imposed on industries for non complying on defaulter days. Bank guarantee should be taken for compliance of condition imposed in CTO/CTE for control of Environmental pollution from Industries. The bank guarantee shall be forfeited in case of any violation.	-	-	UPPCB	Regular Activity
2.	Complaint redressal system	Check if there is any complaint redressing system based on MobileApp/ Online, is available? If not, a complaint redressing system based on MobileApp / Online portal may be					

		prepared at district level.					
		Online Integrated Grievances Redress System (IGRS) system has been developed. Complains on IGRS portal disposed timely.	-	-	-	UPPCB	Regular Activity

6.0 Mining Activity Management plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	<p><u>Coal Mining-</u> 05 Nos. of Coal Mining Projects in District Sonbhadra.</p> <ul style="list-style-type: none"> NCL Kakri, Project, Kakri, Sonbhadra NCL Bina project, Bina, Sonbhadra NCL Khadia Project, Khadia Sonbhadra, NCI Krishnshila Project, Bina, Sonbhadra NCL Dudhichua Project, Dudhichua, Sonbhadra <p><u>Sand/Morrum Mining:</u></p> <ul style="list-style-type: none"> Surendra Tiwari(Vill-Agorikha Khand-3) Rameshwar Pratap (Vill-Bhagwa) Sudhakar Pandey(Vill-Agorikhas Khand-4) RSI Stone World Pvt. Ltd. (Pipardih & Korgi) <p><u>Dolo Stone :</u></p> <ul style="list-style-type: none"> Maa Vindhya Stone Crushing Company (Billi Markundi) Rajesh Kumar (Billi Markundi) M/s Sai Baba Stone Works (Billi Markundi) Arun Kumar (Billi Markundi) Anand Kumar (Billi Markundi) Rajesh Kumar Dubey (Billi Markundi) M/s Maa Kamakhya Stone Works (Billi Markundi) M/s Shree Krishna Stone Works (Billi Markundi) M/s BCS Interprises (Billi Markundi) Ashok Kumar Yadav (Billi Markundi) M/s Krishna Mining Works (Billi Markundi) Anil Kumar Nishad (Billi

	<p>Markundi)</p> <ul style="list-style-type: none"> • Kamleshwar Prasad (Billi Markundi) • Bala Ji Stone Works (Billi Markundi) • Shahsi Vaishya (Billi Markundi) • M/s Ganga Stone (Billi Markundi) • M/s Ishana Construction (Billi Markundi) • Rajesh Kumar (Billi Markundi) • Santosh Kumar Singh (Billi Markundi) • Ramesh Chandra Vaishya (Billi Markundi) • Suresh Chandra Giri (Billi Markundi) • Mai Sai Ram Interprises (Billi Markundi) • CS Infraconstruction (Billi Markundi) • Neelkanth Mining (Billi Markundi) <p><u>Granite :</u></p> <ul style="list-style-type: none"> • Maa Jagdambe Injicon LLP (Keval) <p>Sand Stone</p> <ol style="list-style-type: none"> 1. Ram Janam (Sukrit) 2. Uday Narayan Dev Pandey (Charka) 3. Binduwati Devi (Shirshiya Thakurai)
No of licenced Mining operations in the District	[All 05 NCL Coal Mines have licence]
% Area covered under mining in the District	<p>0.027% (185.216 Ha mining Lease)</p> <p>Coal Mining</p> <ul style="list-style-type: none"> • NCL Kakri, Project, Kakri, Sonbhadra-Total Leasehold Area- 828 Ha • NCL Bina project, Bina, Sonbhadra-Total Area-1374 Ha • NCL Khadia Project, Khadia Sonbhadra. Total Leasehold Area- 693 Ha • NCI Krishnshila Project, Bina, Sonbhadra-Total Lease Area- 851.78 Ha • NCL Dudhichua Project, Dudhichua, Sonbhadra-Total lease area- 555 Ha
Area of Sand Mining	[1852160 Sq Km]
Area of sand Mining	<p>[River bed-75.88 Ha]</p> <p>[Non -river deposit-00]</p>
Details of Data Requirement	Existing Mining operations

Type of Mining Activity	Name of mines – list may be enclosed] [Sand Mining] / [Iron Ore] / [Bauxite] / [Coal] / Other [specify]
No of licenced Mining operations in the District	[Nos]
% Area covered under mining in the District	%
Area of Sand Mining	[Sq Km]
Area of sand Mining	[River bed] / [Estuary] / [Non -river deposit]

b. Identification of gaps and action plan:

S. No	Action Points	Gaps and Action Plan	Action Plan			Responsible Agency	Timeline for completion of action plan
			Action point	Budget Required	Budget available		
1.	Monitoring of Mining activity	A district level task team may be identified to identify mining activity and to monitor status with respect to environmental compliance					
			Illegal mining illegal transportation monitor lease area in mining area, compliance to environment standards	-	-	UPPCB/ Mining Department	Ongoing
2.	Inventory of illegal mining if any mining	Action plan to identify illegal sand and other mining activity in the District. through surveillance, patrolling and enforcement. District Level task Force may be constituted for control of illegal mining activity					
			Regular Monitoring of illegal Sand mining should be done	-	-	UPPCB/ Mining Department	Completed
3.	Environment compliance by Mining	Action plan for periodic verification of compliance to environmental conditions stipulated					

	industry	by SPCBs/PCC, MoEF&CC department of mines etc.SPCBs/PCC may be involved in this activity.					
			Environment Clearance compliance report should be submitted by Coal Mining Industries & All Other Existing Mines.	-	-	UPPCB/ Mining Department	Ongoing Activity

7.0 Noise Pollution Management plan

a. Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies indistrict	Total 04 No. of Noise meters are in District Sonbhadra. 1. Regional Office Uttar Pradesh Pollution Control Board Sonbhadra.-02 No 2. Traffic Police, Sonbhadra-02 No.

b. Identification of gaps and action plan:

S . N o	Action Points	Gaps and Action Plan	Action Plan			Responsible Agency	Time line for completion of action plan
			Action point	Budget Required	Budget available		
1	Availability of Sound/ Noise level meters.	Need to check whether concerned agencies that is ULBs,SHOs, Traffic police andSPCB/PCC have noise level meters. District administrationmay ensure through an action plan that concerned agencies and environmental cell under district administration have adequate number of portable noise level meters.					
		02 Nos. of Noise/Sound Level Meters are in Regional office UPPCB, Sonbhadra. and 02 Nos. Digital Sound level meter available with Traffic Police Department.	There should be adequate no. of Noise monitoring kit/meters. Regular calibration of noise meter should be done. 04 More Digital Sound level meter required for Traffic Police Department, Sonbhadra	Rs 25000	Not Allotted yet	District Administration/ /RTO/UPPCB/SHOs/ ULBs/Traffic Police	Dec 2023

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2	Ambient Noise Level monitoring.	ULBs shall ensure that ambient sound levels comply with notified standards for residential, sensitive zones. An action. Apart from portable analyzers, fixed ambient noise level monitoring stations may be installed in major cities and towns, such stations may be installed by ULBs and SPCB/PCC,					
		There is no any fixed ambient noise level monitoring stations installed by	Zones need to define as Industrial, residential, commercial, Silence Zone & Sensitive also.	-	-	District Administration/Police Administration/RTO/UPPCB	Dec 2023
3	Signboards in Noise zones	District administration may ensure that adequate number of sign boards installed at sensitive zones in towns / cities in towns and cities. An action plan may be prepared by district authority.					
			Industries should fix Sign boards in their premises Noise Zones There is no any noise sensitive Area in District Sonbhadra	-	Not allotted by department	District Administration/Police Administration/RTO/UPPCB	Partially Complied
4	Complaint redressing system	Action plan may envisage implementing a public complaint redressed system for noise pollution. Such application may be used by SHOs, Traffic police ULBs and SPCBs in the district.					
		The State has a functional portal "Integrated grievance Redressal System"(IGRS) for redressal of complains. Regular disposal of complains done.	-		Not allotted by department	District Administration/Police Administration/RTO/UPPCB	Complied

Annexure No. 01

Information sheet for Continuous Ambient Air Quality Monitoring Stations (CAAQMS) installed by industries at Singrauli Critically Polluted Area (U.P.part) Sonbhadra			
S. No.	State	City/District	Name of Organization
01 .	U P	Sonbhadra	M/s Lanco Anpara Power Ltd. Anpara Sonbhadra.Unit C-(2×600 MW)
2 .	U P	Sonbhadra	M/s Lanco Anpara Power Ltd. Anpara Sonbhadra.Unit C-(2×600 MW)
3 .	U P	Sonbhadra	M/s Hindalco Industries Ltd.(Power Division) Renusagar, Sonebhadra.(840 MW) &M/s Lanco Anpara Power Ltd. Anpara Sonbhadra.Unit C-(2×600 MW) (Jointly)
4 .	U P	Sonbhadra	M/s NTPC Rihand Nagar, Sonbhadra. Stage I, II, III- (2X500 MW each)
5 .	U P	Sonbhadra	M/s NTPC Rihand Nagar, Sonbhadra. (Stage I, II, III- 2X500 MW each)
6 .	U P	Sonbhadra	M/s NTPC Rihand Nagar, Sonbhadra. (Stage I, II, III- 2X500 MW each)
7 .	U P	Sonbhadra	M/s NTPC Shakti Nagar, Sonbhadra. (5×200 MW and 2×500 MW)
8 .	U P	Sonbhadra	M/s NTPC Shakti Nagar, Sonbhadra. (5×200 MW and 2×500 MW)
9 .	U P	Sonbhadra	M/s Hindalco Industries Ltd. (Aluminum Division) Renukoot, Sonbhadra
10 .	U P	Sonbhadra	M/s Northern Coalfields Limited, Kakri project, Kakri, Sonbhadra
11 .	U P	Sonbhadra	M/sNorthern Coalfields Limited, Bina project, Bina, Sonbhadra
12 .	U P	Sonbhadra	M/s Northern Coalfields Limited, Khadia project, Khadia, Sonbhadra
13 .	U P	Sonbhadra	M/s Ultratech Cement Ltd.(Power Division), Sonbhadra
14 .	U P	Sonbhadra	M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited, Obara, B.T.P.S Obara Sonebhadra
15 .	U P	Sonbhadra	M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited, Obara, Sonbhadra
16 .	U P	Sonbhadra	M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited, Obara, B.T.P.S Obara Sonebhadra
17 .	U P	Sonbhadra	M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited, Anpara, Anpara, Sonebhadra
18 .	U P	Sonbhadra	M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited, Anpara, Anpara, Sonebhadra

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19 .	U P	Sonbhadra	M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited, Anpara, Anpara, Sonebhadra
20 .	U P	Sonbhadra	M/s J.P.Cement Churk Sonbhadra

Annexure No. 02

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S.No.	Industries Generating Effluents	ETP Capacity (KLD)	Other
1	M/s NTPC Singrauli Super Thermal Power Plant, Post-Shaktinagar, Sonbhadra	3302000	Recycled
2	M/s NTPC Rihand Stage II, Rihand Super Thermal Power (Power Plant).	79784	Recycled
	M/s NTPC Rihand Stage II, Rihand Super Thermal Power (Power Plant).		
	M/s NTPC Rihand Stage III, Rihand Super Thermal Power (Power Plant), Rihandnagar, Sonbhadra 231223		
3	M/s Anpara A-TPS (Power Plant), Anpara, Sonbhadra.	180070	Partially Recycled
	M/s Anpara B-TPS (Power Plant), Anpara, Sonbhadra.		
	M/s Anpara D-TPS (Power Plant), Anpara, Sonbhadra.	83856	Partially Recycled
4	M/s Lanco Anpara Power Limited, Anpara, Sonbhadra	1937	Recycled
5	M/s Hindalco Industries Limited Renusagar Power Division, Renusagar, Sonbhadra-231218.	28032	Recycled
6	M/s U.P. Rajya Vidyut Utpadan Nigam Ltd.(Obra A & B.T.P.S), Obra Sonbhadra	2796480	Recycled
7	M/s Grasim Industries Ltd. Power Division, Renukoot, Sonbhadra.	650	Partially Recycled
8	M/s NCL Dudhichuwa Project, Sonbhadra.		Partially Recycled
9	M/s NCL Bina Project, Bina, Sonbhadra.	31200	Recycled
10	M/s NCL Krishnashila Project, Bina, Sonbhadra.	400	Recycled
11	M/s NCL Kakri Project, Kakri, Sonbhadra.	27620	Recycled
12	M/s NCL Khadia Project Khadia, Sonbhadra.	38400	Recycled
13	M/s Birla Carbon India Pvt. Ltd., Renukoot, Sonbhadra.	725	Recycled
14	M/s HINDALCO INDUSTRIES LIMITED RENUKOOT, SONBHADRA, 231217 SONBHADRA	5060	Partially Recycled
15	M/S ORIENT MICRO ABRASIVES LIMITED VILL. LABHARI, POST-BAIRPAN, SINGRAULI, PIPRI, SONBHADRA SONBHADRA	65	Partially Recycled
16	M/s ULTRATECH CEMENT LIMITED UNIT DALLA CEMENT WORKS for Clinker (2.0 to 2.5 MTPA), Cement (0.5 to 0.6 MTPA), CPP (27 to 30 MW) and WHRS 13 MW	60	Partially Recycled
17	J.P. Churk Industrial Complex, Churk, Sonbhadra	1500	Partially Recycled

Annexure No. 03

S. No.	Name of Drain
1	Balia Nala, Near Shaktinagar-Waidhan raod bridge, Shaktinagar, Sonbhadra
2	Dongiya Nala, Near Khatal, Pipri, Renukoot, Sonbhadra
3	Murdhawa Nala, Renukoot, Sonbhadra
4	Dibulganj Channel, Near BTPS Barrak No. 1, Anpara, Sonbhadra
5	Anpara Nala, Near U.P.R.V.U.N.L. DTPS, Anpara, MGR Railway Gate, Anpara, Sonbhadra
6	Rehta Nala, Near Village- Garbandha, Sonbhadra
7	Barwani Nala, Near NCL Bina Project, Near Tron Bridge, Bina, Sonbhadra
8	N.T.P.C. Ltd., Rihand Nagar, Bijpur Outfall channel, Near Village-Khairi, Rihandnagar, Bijpur, Sonbhadra
9	Mukhna Nala, near Jhilo khamriya, Rihand Nagar, Bijpur, Sonbhadra

Annexure No. 04

Identified Pollution Hotspots in NACs			
.	Name of NACs	Pollution Source	Identified Pollution Hotspots
12	Anpara (Sonbhadra)	Construction	1. There are not any major construction activities such as Group Housing etc in Anpara town
		Road Dust/ Unpaved Roads	1. Aurimore to Shakti Nagar four lane State Highway no 5A having distance of 18.287km.
		Industrial	1. Anpara, Tehsil-Duddhi, Sonbhadra
			2. Renusagar, Tehsil-Duddhi, Sonbhadra
			3. Shakti Nagar, Tehsil-Duddhi, Sonbhadra
			4. Bina, Tehsil-Duddhi, Sonbhadra
			5. Khadia, Tehsil-Duddhi, Sonbhadra
			6. Kakari, Tehsil-Duddhi, Sonbhadra
			7. Dudhichua, Tehsil-Duddhi, Sonbhadra
			8. Krishnshila Tehsil-Duddhi, Sonbhadra
		Vehicular/Traffic Congestion	1. Anpara market, Tehsil-Duddhi, Sonbhadra
			2. Aurimore, Tehsil-Duddhi, Sonbhadra
			3. Bus Stand, Shakti Nagar, Tehsil-Duddhi, Sonbhadra
			4. Renusagar More, Tehsil-Duddhi, Sonbhadra