

ENVIRONMENT STATEMENT

FORM V

Year 2024 - 25

(For the period ending 31.03.2025)

**By,
SIPAT SUPER THERMAL POWER STATION
NTPC LTD
SIPAT, UJJWAL NAGAR PO,
BILASPUR DISTRICT,
CHHATTISGARH - 495555**

Form-V
(See Rule-14)
Environmental, Audit Report for the Financial
Year Ending 31st March 2025

Part-A

- (i) Name and address of the owner/ : Sh. Vijay Krishna Pandey
Occupier of the Industry, Operation Executive Director, Sipat
Or process NTPC Ltd.
- (ii) Production capacity : 2980 MW
(Stage-I = 3 x 660 MW)
(Stage-II = 2 x 500 MW)
(Stage -III = 1 x 800 MW
under construction)
- (iii) Year of Establishment : 20.02.2004
- (iv) Date of the last "Environment Audit Repot" : 01.06.2024
Submitted

Part-B

Water and Raw Material Consumption

1. Water Consumption m³/Day:

Sl. No	Type of Activity	Average Water Consumption (m ³ /Day)
1	Process (Boiler)	2,683
2	Cooling	1,39,803
3	Domestic	2,138

Water Consumption per Unit of Production (liter/kWh):

Name of the Products	Process Water Consumption Per Unit of Product Output	
	During the Previous Financial Year 2023-24 (liter/kWh)	During the Current Financial Year 2024-25 (liter/kWh)
Power Generation	2.47	2.90

2. Raw Material Consumption

S No	Name of the Raw Material	Name of the Product	Consumption of Raw Material per unit output	
			During the Previous Financial Year 2023-24	During the Current Financial Year 2024-25
1	Coal	Electricity Generation	0.657 (kg/ kWh)	0.69 Kg/kWh
2	Fuel Oil	Electricity Generation	0.27 (ml/ kWh)	0.25 ml/kWh

Kg – kilogram ; ml – millilitre, KWh – Kilo Watt Hour

Part-C

Pollution Discharge to Environment /Unit of Output
(Parameter as Specified in the Consent Issue)

Pollutants	Quantity of Pollutants Discharged (mass /day)	Concentrations of Pollutants in discharges (mass/day)	Percentage of Variation from Prescribed Standard with Reasons
(a) Water	No water is discharged outside the plant premises. Plant is ZLD complaint.		No variation
(b) Air	Discharge of Air Pollutant is within the Prescribed limits. Average results of concentration of pollutants attached as Table-1		

ZLD – Zero liquid Discharge

Part-D

Hazardous Waste

(As Specified Under Hazardous Waste (Management, Handling and Transboundary Movement Rules, 2016)

Hazardous Waste	Total Quantity (KL)/MT	
	During the previous Financial Year 2023-24	During the current Financial Year 2024-25
Used Oil	160 KL	66 KL
Empty barrels contaminated with oil/chemicals	2990 Nos.	1358 Nos.
Scrap insulation material	100 MT	96.73 MT
Silica gel	20 MT	10 MT
Spent ion Exchange resin	2.0 MT	1.91 MT

KL –Kilo liter, MT – Metric Ton

Part-E
Solid Waste

(As Specified Under Hazardous Waste (Management, Handling and Transboundary Movement Rules, 2016))

Solid Waste	Total Quantity (MT)	
	During the previous Financial Year 2023-24	During the current Financial Year 2024-25
(a) From Process (Bottom ash)	1070609 MT	1171325MT
(b) From Pollution Control Facility (Fly Ash from ESP)	4282437 MT	4685301 MT
(c) (1) Quantity recycled or reutilized (Ash Utilized)	5420441 MT	5980075 MT
(2) Sold	Free issue material	Free issue material
(3) Disposed	Balance stored in water submerged Ash dyke.	Balance stored in water submerged Ash dyke.

Part-F

Please specify the characteristics (in term of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

- Used oil is collected in MS drums and kept at Hazardous waste Storage facility. During the year 2024-25, 66 KL used oil was generated from the processes which were sold to registered / authorized recyclers.
- 1358 empty drums/barrels/containers contaminated with chemicals have been disposed to registered recyclers.
- Scrap insulation Wool 96.73 MT, Silica gel 10 MT, spent ion exchange resin 1.91 MT sent to TSDF for disposal.
- Bottom ash is produced in the furnace as a result of coal combustion. Dry Fly ash gets collected in ESP Hoppers when flue gas pass through ESP. Fly ash from ESP hoppers is conveyed to ash silos through Dry Ash Extraction System (DAES). Bottom ash counts about 20 % of total ash generation and whereas 80 % is Fly Ash.
- Ash from Silo is supplied to Ash Brick Manufacturer, Cement Industries, and road construction agencies. Unutilized fly ash is conveyed to ash pounds.
- Pond ash is supplied to low lying area filling, NHAI highways construction.
- During the year 2024-25 MOU signed with SECL for backfilling of Bishrampur and Dugga abandoned open cast mines. Backfilling is in progress.
- In addition, station is also carrying out trials on innovative methods of ash utilization. A **Light Weight Aggregate** pilot plant of 50,000 Cum per annum has been commissioned.

LWA is substitute for natural aggregate. Eco House made of 80% ash and ash based products that eliminates the need of cement, sand, steel was demonstrated in Indian International Trade Fair in November 2024.



Fig 1 Ash transportation in BTAP rake



Fig 2: Products of Light Weight Aggregate Plant at NTPC Sipat

Part-G

Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production.

- NTPC Sipat is a Zero Liquid Discharge Compliant Station.

1. All the effluent generated from the plant is treated in ETPs and recycled into process. There are two ETPs (stage-I-3x250 m³/hr and stage-II-2 x 125 m³/hr) operational for recycling of effluent.
2. Coal laden water is collected in two Coal settling Ponds (Stage-I & Stage-II) and water after treatment is reused for piles spray and other application.
3. Ash water recirculation system (AWRS) is operational since inception of the plant. AWRS is used to recirculate decanted water from ash ponds to main plant, where water is again used in ash slurry system, thus fresh water requirement is minimal.
4. 1.5 MLD capacity STP is functional for handling sewage water from township. In addition to above, there are 18 Pre-fabricated STP's operational to treat sewage generated from various office complexes inside the plant premises. Treated water from STPs is used for horticulture.
5. Specific Water consumption in FY 2024-25 is 2.90 m³/MWh which is substantially below the statutory limit of 3.5 m³/MWh.



Fig 3 Pre Fabricated STPs operational at 18 locations of NTPC Sipat

- With the adoption of Super critical technology in Stage-1 units Boiler, it requires lesser consumption of fossil fuel per unit of electricity generation, resulting in lesser emission and lower cost of energy comparatively.

Part-H

Additional investment proposal for Environment protection including abatement of Pollution.

- For control of NO_x Emission, Combustion Modification work has been completed in all five Units with a total investment of more than INR 42 cores.
- FGD installation work has been completed in three Units of Stage-I (3 x 660 MW) Unit to mitigate SO₂ emission. Work is in advance stage of completion in Stage-II Units (2 x 500 MW). Total investment of FGD installation is more than INR 1400 cores.



Fig 4: Emission Control technologies – DeNOx and FGD

- Conversion of secondary fuel from HFO to LDO has already been completed for all the Units for reduction of SO₂ emission.
- The station has a regular program for plantation, in and around plant premises. NTPC Sipat has planted a total of more than 12 lakhs trees till now since inception. 48,892 saplings have been planted during 2024-25, which includes Miyawaki plantation at nearby village.



Fig 5: Miyawaki Plantation in Bhilmi and Uchhbhatti villages near NTPC Sipat

- One additional ash brick plant of 50,000 fly ash bricks per day production capacity is under installation and is expected to be completed in the year 2025-26.
- A pilot plant of 10 Ton/hour for manufacturing Light weight sand from Fly ash is under installation. This may prove to be a futuristic product that may help conservation of river bed sand.

Part-I

Any other particular with respect to "Environment Protection" and abatement of Pollution.

➤ *Pond Rejuvenation works in nearby villages*

NTPC Sipat has taken up Pond Rejuvenation works at 10 Ponds in the surrounding villages in the year 2024-25. Works are completed in 5 ponds and in progress at rest of the ponds.



Fig 6: Pond Rejuvenation works at NTPC Sipat's nearby villages

➤ *Municipal Solid Waste Management*

1. Bio gas plant of 1000 Kg (food waste) in capacity is operational for reuse of bio degradable waste generated from township and plant canteen.
2. Two Vermi composting production facilities are available for recycling the horticulture waste generated from township and plant into organic compost for plants.
3. Plastic Waste collected from township is disposed through co-processing facility of Ambuja Cements.



Fig 7: Solid Waste Management at NTPC sipat

- Coal is transported in tarpaulin covered wagons. Fly ash is supplied in closed container trucks/bulkers. Pond ash transportation is carried out through tarpaulin covered trucks.



Fig 8: Coal transportation in covered wagons

➤ *Environmental Awareness Events*

Awareness was created among the population of NTPC Sipat and nearby villages through competitions and events on World Environment Day, World Earth Day, World Water Day 2024-25. An Inter house quiz competition for School children, Best out of waste for event for ladies were unique innovative programmes conducted by Environment Department of NTPC Sipat.



Fig 9: Glimpses of Environment awareness activities at NTPC Sipat in the year 2024-25

Table-I: Stack Monitoring
(Period of Observation: April – 2024 to Mar -2025)
Source : offline monitoring through MOEF&CC recognized laboratory

Month	Unit - I			Unit - II			Unit - III			Unit - IV			Unit - V		
	Parameter in mg/Nm³														
	PM	SO₂	NOₓ	PM	SO₂	NOₓ	PM	SO₂	NOₓ	PM	SO₂	NOₓ	PM	SO₂	NOₓ
Apr-24	44	1045	254	44	1062	260	#	#	#	44	1071	264	45	1047	258
May-24	45	1062	276	47	1080	271	45	1054	233	44	1051	261	45	1065	252
Jun-24	44	1041	251	44	1070	245	45	1028	250	45	1040	247	44	1040	251
July-24	45	1054	257	47	1068	254	45	1057	250	45	1057	261	45	1054	250
Aug-24	45	1049	245	50	1060	240	45	1038	240	47	1060	237	44	1079	264
Sep-24	43	849	199	43	991	202	29	960	225	42	1000	222	42	995	212
Oct-24	42	1035	206	39	1001	221	36	764	154	38	900	179	42	1023	216
Nov-24	41	933	214	41	856	216	39	652	228	37	837	231	39	970	237
Dec-24	42	981	228	42	1009	223	37	936	227	39	900	195	38	1009	227
Jan-25	41	900	209	41	1072	242	42	990	218	42	976	244	42	954	233
Feb-25	39	906	208	40	1097	213	44	938	198	44	964	229	44	997	260
Mar-25	42	899	210	41	1060	178	43	894	222	40	955	221	41	1011	244

Note:

Unit under shutdown.

Vide MoEF & CC notification issued on 11 July 2025 SO₂ norms are not applicable for Category C Stations.

Table-II: Ground Water Quality Monitoring
Period of Observation: April - 2024 to Mar -2025
Source : offline monitoring through MOEF&CC recognized laboratory

Month	Location – I (Hardadih)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.4	03	470	0.2	<0.1
May-24	7.1	02	494	0.4	<0.1
Jun-24	7.3	04	474	0.3	<0.1
July-24	7.1	04	487	0.3	<0.1
Aug-24	7.2	02	407	BLQ	<0.1
Sep-24	7.1	03	400	BLQ	<0.1
Oct-24	7.5	01	390	BLQ	<0.1
Nov-24	7.2	02	418	BLQ	<0.1
Dec-24	7.3	03	434	0.2	<0.1
Jan-25	7.3	02	420	BLQ	<0.1
Feb-25	7.1	06	490	0.4	<0.1
Mar-25	7.3	05	470	BLQ	<0.1

Month	Location – II (Sukhripali)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.3	04	488	0.4	<0.1
May-24	7.5	03	474	0.3	<0.1
Jun-24	7.3	04	491	0.4	<0.1
July-24	7.5	05	494	0.4	<0.1
Aug-24	7.3	05	480	0.4	<0.1
Sep-24	7.5	04	460	0.4	<0.1
Oct-24	7.3	04	474	0.3	<0.1
Nov-24	7.1	05	495	0.5	<0.1
Dec-24	7.5	04	474	0.3	<0.1
Jan-25	7.5	6	494	0.4	<0.1
Feb-25	7.2	04	460	0.2	<0.1
Mar-25	7.5	06	495	0.4	<0.1

Month	Location – III (Ralia)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.2	0.2	434	0.2	<0.1
May-24	7.3	02	417	BLQ	<0.1
Jun-24	7.5	02	407	0.2	<0.1
July-24	7.2	03	427	0.3	<0.1
Aug-24	7.5	01	397	BLQ	<0.1
Sep-24	7.3	03	427	0.2	<0.1
Oct-24	7.1	02	414	BLQ	<0.1
Nov-24	7.5	01	394	BLQ	<0.1
Dec-24	7.2	02	414	BLQ	<0.1
Jan-25	7.2	3	431	0.2	<0.1
Feb-25	7.6	2	422	BLQ	<0.1
Mar-25	7.2	02	412	BLQ	<0.1

Month	Location – IV (Bhilai)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.1	02	420	0.2	<0.1
May-24	7.4	04	407	0.3	<0.1
Jun-24	7.7	01	387	BLQ	<0.1
July-24	7.3	02	400	BLQ	<0.1
Aug-24	7.1	01	387	BLQ	<0.1
Sep-24	7.2	04	475	0.3	<0.1
Oct-24	7.6	05	491	0.4	<0.1
Nov-24	7.3	04	467	0.3	<0.1
Dec-24	7.1	03	460	BLQ	<0.1
Jan-25	7.1	3	470	0.3	<0.1
Feb-25	7.4	02	403	BLQ	<0.1
Mar-25	7.6	03	454	0.3	<0.1

	Location –V (Gataura)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.5	01	404	BLQ	<0.1
May-24	7.2	02	430	0.2	<0.1
Jun-24	7.5	01	387	0.3	<0.1
July-24	7.6	02	414	0.2	<0.1
Aug-24	7.3	03	427	0.2	<0.1
Sep-24	7.6	05	484	0.4	<0.1
Oct-24	7.2	06	500	0.5	<0.1
Nov-24	7.6	05	478	0.4	<0.1
Dec-24	7.5	06	488	0.4	<0.1
Jan-25	7.5	5	483	0.4	<0.1
Feb-25	7.3	6	496	0.3	<0.1

	Location –V (Gataura)				
	pH	TSS	TDS	F	B
		[mg/l]			
Mar-25	7.5	05	480	0.3	<0.1

	Location –VI (Rank)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.6	03	478	0.3	<0.1
May-24	7.2	01	440	BLQ	<0.1
Jun-24	7.2	02	434	BLQ	<0.1
July-24	7.5	01	394	BLQ	<0.1
Aug-24	7.6	04	480	0.3	<0.1
Sep-24	7.3	01	391	BLQ	<0.1
Oct-24	7.0	01	399	BLQ	<0.1
Nov-24	7.3	02	404	0.2	<0.1
Dec-24	6.9	05	484	0.4	<0.1
Jan-25	6.9	2	408	BLQ	<0.1
Feb-25	7.0	03	474	0.2	<0.1
Mar-25	7.2	06	488	0.4	<0.1

	Location –VII (Janji)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.2	02	466	0.3	<0.1
May-24	7.1	03	490	0.2	<0.1
Jun-24	7.3	03	454	0.3	<0.1
July-24	7.2	02	400	BLQ	<0.1
Aug-24	7.1	01	394	BLQ	<0.1
Sep-24	7.2	01	388	BLQ	<0.1
Oct-24	7.5	02	407	BLQ	<0.1
Nov-24	7.3	04	475	BLQ	<0.1
Dec-24	7.5	05	484	0.4	<0.1
Jan-25	7.3	02	460	BL Q	<0.1
Feb-25	7.4	05	480	0.3	<0.1
Mar-25	7.2	04	468	0.3	<0.1

	Location –VIII (Kaudia)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.4	01	394	BLQ	<0.1
May-24	7.4	02	390	BLQ	<0.1
Jun-24	7.2	01	394	BLQ	<0.1
July-24	7.5	01	384	BLQ	<0.1
Aug-24	7.3	03	440	0.2	<0.1
Sep-24	7.5	05	494	0.5	<0.1
Oct-24	7.2	04	470	0.4	<0.1
Nov-24	7.1	05	498	0.4	<0.1
Dec-24	6.9	04	470	0.3	<0.1
Jan-25	7.2	04	484	0.4	<0.1
Feb-25	7.2	05	462	0.3	<0.1
Mar-25	7.5	03	418	BLQ	<0.1
	Location –IX (Darrabhatha)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.1	02	424	BLQ	<0.1
May-24	7.3	03	395	0.2	<0.1
Jun-24	7.7	02	410	BLQ	<0.1
July-24	7.1	01	390	BLQ	<0.1
Aug-24	7.5	04	487	0.3	<0.1
Sep-24	7.3	03	457	0.4	<0.1
Oct-24	7.1	02	440	BLQ	<0.1
Nov-24	7.6	01	390	BLQ	<0.1
Dec-24	7.5	02	407	0.2	<0.1
Jan-25	7.5	02	394	BLQ	<0.1
Feb-25	7.1	04	440	BLQ	<0.1
Mar-25	7.3	06	486	0.4	<0.1
	Location –X (Deori)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.3	05	492	0.3	<0.1
May-24	7.5	04	470	0.3	<0.1
Jun-24	7.5	03	430	0.2	<0.1
July-24	7.6	04	488	0.4	<0.1
Aug-24	7.8	05	498	0.4	<0.1
Sep-24	7.6	04	470	0.3	<0.1
Oct-24	7.3	05	488	0.4	<0.1
Nov-24	7.2	03	454	0.3	<0.1
Dec-24	7.2	04	464	BLQ	<0.1
Jan-25	7.0	05	487	0.3	<0.1
Feb-25	7.5	06	495	0.4	<0.1
Mar-25	7.4	06	495	0.4	<0.1

	Location –XI (Nvadih)				
	pH	TSS	TDS	F	B
		[mg/l]			
Apr-24	7.5	01	414	BLQ	<0.1
May-24	7.4	02	440	BLQ	<0.1
Jun-24	7.1	04	491	BLQ	<0.1
July-24	7.3	03	407	0.2	<0.1
Aug-24	7.2	01	380	BLQ	<0.1
Sep-24	7.2	02	400	BLQ	<0.1
Oct-24	7.5	05	475	0.5	<0.1
Nov-24	7.5	02	415	BLQ	<0.1
Dec-24	7.3	01	394	BLQ	<0.1
Jan-25	6.9	03	420	0.2	<0.1
Feb-25	7.3	02	407	BLQ	<0.1
Mar-25	7.7	03	454	BLQ	<0.1

BLQ- Below Limit of Quantification,

**Table-III: Ground water Monitoring for Heavy Metals
(April -2024 to Mar 2025)**

Source : offline monitoring through MOEF&CC recognized laboratory

Month	Location – I (Hardadih)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/l]							
Apr-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.19	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location – II (Sukhripali)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/l]							
Apr-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location – III (Ralia)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/l]							
Apr-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location – IV (Bhilai)							
	Fe	Hg	Cd	Cr (total)	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location – IV (Bhilai)							
	Fe	Hg	Cd	Cr (total)	Pb	Zn	As	Cu
	[mg/L]							
Dec-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –V (Gataura)							
	Fe	Hg	Cd	Cr(Total)	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –VI (Rank)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –VII (Janji)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –VIII (Kaudia)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –IX (Darrabhata)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –IX (Darrabhata)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Mar-25	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –X (Deori)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location –XI (Navadih)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-24	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-24	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-24	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-24	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Oct-24	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Nov-24	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Dec-24	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jan-25	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Feb-25	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Mar-25	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

BLQ- Below Limit of Quantification,

Minimum Detection Limit (mg/l): Cu: 0.002, Zn: 0.01, Cd : 0.002 Cr(Total):0.002, Pb:0.002, As : 0.0002, Hg:0.0005

Table-IV: Ambient Air Quality Monitoring at Sonthi Pahar

Period of Observation: April – 2024 to Mar –2025

Source : offline monitoring through MOEF&CC recognized laboratory

Month	Location – Sonthi Pahar				
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
	[µg/m ³]				[mg/m ³]
Apr-24	41.12	23.50	22.09	20.81	0.425
May-24	40.55	24.51	22.18	21.75	0.430
Jun-24	41.39	22.94	22.72	22.06	0.431
July-24	41.01	22.17	21.61	21.49	0.430
Aug-24	38.88	19.86	19.17	18.12	0.527
Sep-24	38.20	19.46	19.08	17.90	0.427
Oct-24	39.02	20.78	19.49	18.39	0.432
Nov-24	40.07	22.45	21.06	20.08	0.440
Dec-24	39.71	22.58	20.81	20.15	0.449
Jan-25	42.06	24.44	22.52	21.19	0.460
Feb-25	42.26	23.76	22.29	21.01	0.457
Mar-25	43.71	24.92	23.22	21.74	0.462

Table-V: Ambient Air Quality (AAQ) Monitoring Data at SIPAT-NTPC (Apr-2024 to Mar -2025)

Source : Online continuous monitoring through AAQM stations

AAQMS-1 (Track Hopper): AAQ and Meteorological data

Month	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	Wind Speed (m/s)	Wind Direction (Deg)	Temperature (Deg C)	Humidity (%)	Solar Radiation (W/m ²)	Rainfall (mm)
Apr-24	38.5	16.5	15.2	28.0	1.06	118.2	30.6	50.2	597.6	7.5
May-24	46.4	18.0	30.5	27.9	1.3	139.4	33.4	44.4	535.0	6.9
Jun-24	30.0	13.9	31.8	29.2	1.2	128.8	31.7	63.6	675.4	90.4
July-24	17.4	7.8	25.5	25.2	0.9	103.1	28.9	70.6	729.5	367
Aug-24	11.3	6.7	20.6	24.4	0.9	130.6	27.8	60.6	496.1	288.2
Sep-24	23.2	13.7	22.2	23.8	-	-	-	-	-	-
Oct-24	55.7	32.8	21.2	23.5	-	-	-	-	-	-
Nov-24	80.9	43.4	22.6	23.6	0.07	196.6	24.9	75.65	1.5	0
Dec-24	78.0	38.7	40.2	30.8	1.57	100.7	20.5	68.1	432.67	1.7
Jan-25	66.6	37.6	26.1	32.7	0.91	90.1	25.2	67.13	262.1	0
Feb-25	63.3	28.6	35.4	36.7	01	113.5	33.2	66.4	250	0
Mar-25	71.4	32.2	39.7	57.9	1.14	129.1	34	73.4	269.6	0

AAQMS-2 (B-Type)

Month	PM ₁₀	PM _{2.5}	SO ₂	NO ₂
	[µg/m ³]			
Apr-24	32.0	15.0	21.4	50.0
May-24	37.6	17.2	22.2	44.6
Jun-24	28.0	12.7	23.4	40.6
July-24	23.3	15.0	29.7	39.9
Aug-24	20.9	13.9	22.7	46.4
Sep-24	26.0	14.3	23.5	32.9
Oct-24	53.2	30.4	26.6	39.8
Nov-24	73.3	40.4	31.9	45.1
Dec-24	75.6	38.2	33.1	38.5
Jan-25	63.8	32.9	34.2	33.4
Feb-25	55.9	24.5	34.7	45.1
Mar-25	62.9	37.2	24.3	27.1

AAQMS-3 (Switch Yard)

Month	PM ₁₀	PM _{2.5}	SO ₂	NO _x
	[µg/m ³]			
Apr-24	42.6	19.0	14.5	20.3
May-24	43.3	19.4	15.9	23.9
Jun-24	29.1	17.6	17.6	28.1
July-24	17.7	7.6	21.1	22.9
Aug-24	35.6	22.2	22.4	20.6
Sep-24	30.2	12.3	22.2	20.4
Oct-24	55.6	33.2	22.8	20.4
Nov-24	78.8	44.9	24.3	24.8
Dec-24	76.7	50.2	28.7	27.5
Jan-25	64.4	44.9	24.2	26.8
Feb-25	71.3	36.9	28.7	27.2
Mar-25	59.3	28.0	35.9	36.6

Ambient Air Quality around Plant Area

Source : offline monitoring through MOEF&CC recognized laboratory

Month	Janji Village				
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
	[µg/m ³]				[mg/m ³]
Apr-24	46.5	24.3	22.9	21.6	0.452
May-24	45.9	23.8	22.1	20.6	0.453
Jun-24	43.0	21.6	20.7	19.0	0.441
July-24	27.4	20.2	22.8	19.9	0.434
Aug-24	44.5	23.7	23.6	22.6	0.440
Sep-24	30.4	22.5	23.6	21.9	0.438
Oct-24	29.5	20.2	21.6	20.0	0.432
Nov-24	30.6	20.6	22.3	21.0	0.437
Dec-24	32.0	25.3	24.3	21.1	0.434
Jan-25	37.8	25.0	24.1	20.7	0.440
Feb-25	40.2	25.6	24.8	21.8	0.436
Mar-25	41.8	24.4	25.5	22.5	0.429

Month	Sipat Village				
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
	[µg/m ³]				[mg/m ³]
APR-2024	44.6	24.6	23.1	21.2	0.438
MAY-2024	46.0	26.1	24.0	21.9	0.440
JUN-2024	44.6	24.9	23.3	21.1	0.438
OCT-2024	28.0	18.7	16.5	15.4	0.444
NOV-2024	26.9	17.3	17.6	16.5	0.439
Dec-2024	32.0	21.6	19.3	18.1	0.446
JAN-2025	35.5	23.6	20.9	19.9	0.441
FEB-2025	39.1	23.5	24.5	23.4	0.441
MAR-25	40.1	24.1	23.7	22.7	0.440

Month	Kaudia Village				
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
	[µg/m ³]				[mg/m ³]
July-2025	27.3	19.4	22.2	19.5	0.435
Aug-2024	39.8	23.2	20.0	19.0	0.440
Sep-2024	28.4	19.5	20.1	19.1	0.443
Jan-2025	37.3	26.0	23.9	21.1	0.451
Feb-2025	38.6	27.5	24.2	22.4	0.447
Mar-2025	38.9	25.6	24.4	23.5	0.441
Month	Darrabhata Village				
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
	[µg/m ³]				[mg/m ³]
Oct-2024	31.4	21.5	22.3	21.4	0.436
Nov-2024	31.5	21.4	24.1	22.4	0.440
Dec-2024	33.5	26.8	25.1	23.1	0.445
Jan-2025	37.8	25.0	24.1	20.7	0.440

Month	Karra Village				
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
	[µg/m ³]				[mg/m ³]
Apr-2024	43.9	26.5	23.8	22.7	0.436
May-2024	43.0	24.6	22.9	21.4	0.435
Jun-2024	42.1	24.1	22.3	21.3	0.435
July-2024	24.9	17.2	20.8	19.0	0.432
Aug-2024	40.7	22.1	16.8	15.9	0.434
Sep-2024	25.5	17.3	17.4	15.9	0.434

Table-VI: Noise Monitoring

Source : offline monitoring through MOEF&CC recognized laboratory

Locations	Date of Monitoring	Day Time Noise Levels in dB(A)	Night Time Noise Levels dB(A)
Plant Area			
Material gate	12-04-2024	56.8	46.2
CCR	12-04-2024	51.5	42.3
CHP	12-04-2024	52.6	43.3
Ralia	12-04-2024	41.6	34.3
Bhilai	12-04-2024	40.2	35.6
Hardadih	12-04-2024	51.6	39.4
Sukhrpali	12-04-2024	39.5	35.6
Gataura	12-04-2024	48.2	39.7
ADM Gate	12-04-2024	51.3	47.5
Turbine Hall	12-04-2024	55.3	43.5
B-Type	12-04-2024	52.6	44.6
Material gate	13-05-2024	55.5	44.7
CCR	13-05-2024	52.3	43.3
CHP	13-05-2024	50.2	42.7
Ralia	13-05-2024	40.7	33.2
Bhilai	13-05-2024	41.6	36.4
Hardadih	13-05-2024	47.4	38.6
Sukhrpali	13-05-2024	40.4	36.8
Gataura	13-05-2024	45.5	38.8
ADM Gate	13-05-2024	52.5	48.2
Turbine Hall	13-05-2024	54.6	44.8
B-Type	13-05-2024	51.3	43.3
Material gate	13-06-2024	54.7	42.6
CCR	13-06-2024	50.7	42.7
CHP	13-06-2024	53.3	41.3
Ralia	13-06-2024	38.7	34.4
Bhilai	13-06-2024	40.3	35.6
Hardadih	13-06-2024	48.4	40.4
Sukhrpali	13-06-2024	41.6	35.7
Gataura	13-06-2024	43.7	37.6
ADM Gate	13-06-2024	50.7	47.2
Turbine Hall	13-06-2024	56.7	46.6
B-Type	13-06-2024	52.4	41.1
Material gate	13-07-2024	53.2	41.5
CCR	13-07-2024	49.6	41.3
CHP	13-07-2024	54.3	42.7

Locations	Date of Monitoring	Day Time Noise Levels in dB(A)	Night Time Noise Levels dB(A)
Ralia	13-07-2024	40.6	36.7
Bhilai	13-07-2024	38.7	32.7
Hardadih	13-07-2024	47.3	35.7
Sukhripali	13-07-2024	39.3	32.7
Gataura	13-07-2024	41.2	36.3
ADM Gate	13-07-2024	48.8	46.2
Turbine Hall	13-07-2024	54.2	43.3
B-Type	13-07-2024	50.4	39.3
Material gate	13-08-2024	51.6	40.2
CCR	13-08-2024	48.3	39.5
CHP	13-08-2024	52.2	41.7
Ralia	13-08-2024	42.7	35.3
Bhilai	13-08-2024	40.3	30.3
Hardadih	13-08-2024	43.6	32.2
Sukhripali	13-08-2024	38.7	31.2
Gataura	13-08-2024	40.7	33.3
ADM Gate	13-08-2024	50.1	42.8
Turbine Hall	13-08-2024	55.7	42.6
B-Type	13-08-2024	49.7	38.5
Material gate	13-09-2024	52.5	42.3
CCR	13-09-2024	46.3	38.5
CHP	13-09-2024	50.4	42.7
Ralia	13-09-2024	40.3	36.5
Bhilai	13-09-2024	38.5	32.6
Hardadih	13-09-2024	45.6	35.3
Sukhripali	13-09-2024	39.5	29.5
Gataura	13-09-2024	41.5	31.6
ADM Gate	13-09-2024	52.6	44.7
Turbine Hall	13-09-2024	58.2	43.6
B-Type	13-09-2024	50.7	39.6
Material gate	14-10-2024	50.4	40.2
CCR	14-10-2024	44.2	36.5
CHP	14-10-2024	52.4	43.5
Ralia	14-10-2024	38.7	34.3
Bhilai	14-10-2024	40.4	30.8
Hardadih	14-10-2024	43.6	37.2
Sukhripali	14-10-2024	36.8	31.5
Gataura	14-10-2024	39.5	32.2
ADM Gate	14-10-2024	50.2	42.4
Turbine Hall	14-10-2024	60.4	44.1
B-Type	14-10-2024	51.7	38.5
Material gate	14-11-2024	48.6	38.2

Locations	Date of Monitoring	Day Time Noise Levels in dB(A)	Night Time Noise Levels dB(A)
CCR	14-11-2024	42.3	35.7
CHP	14-11-2024	51.6	41.6
Ralia	14-11-2024	36.6	32.7
Bhilai	14-11-2024	42.6	32.4
Hardadih	14-11-2024	44.6	35.7
Sukhrpali	14-11-2024	38.4	33.6
Gataura	14-11-2024	41.2	34.4
ADM Gate	14-11-2024	51.2	41.7
Turbine Hall	14-11-2024	58.3	42.3
B-Type	14-11-2024	52.5	40.5
Material gate	14-12-2024	46.5	36.2
CCR	14-12-2024	40.1	32.4
CHP	14-12-2024	48.2	40.7
Ralia	14-12-2024	35.7	33.6
Bhilai	14-12-2024	44.7	31.7
Hardadih	14-12-2024	43.3	36.7
Sukhrpali	14-12-2024	36.8	31.5
Gataura	14-12-2024	38.7	32.3
ADM Gate	14-12-2024	52.4	43.5
Turbine Hall	14-12-2024	60.2	43.8
B-Type	14-12-2024	51.6	39.7
Material gate	14-01-2025	43.4	34.4
CCR	14-01-2025	39.4	30.2
CHP	14-01-2025	46.4	42.3
Ralia	14-01-2025	32.3	31.7
Bhilai	14-01-2025	40.8	32.7
Hardadih	14-01-2025	41.4	35.4
Sukhrpali	14-01-2025	38.5	32.8
Gataura	14-01-2025	36.5	30.7
ADM Gate	14-01-2025	51.3	41.6
Turbine Hall	14-01-2025	58.4	41.3
B-Type	14-01-2025	52.4	40.7
Material gate	14-02-2025	45.2	36.4
CCR	14-02-2025	42.4	32.7
CHP	14-02-2025	44.4	40.3
Ralia	14-02-2025	34.6	30.4
Bhilai	14-02-2025	38.7	30.0
Hardadih	14-02-2025	40.2	34.2
Sukhrpali	14-02-2025	39.7	33.6
Gataura	14-02-2025	37.7	31.5
ADM Gate	14-02-2025	53.3	43.6
Turbine Hall	14-02-2025	60.0	42.5
B-Type	14-02-2025	53.7	43.8

Locations	Date of Monitoring	Day Time Noise Levels in dB(A)	Night Time Noise Levels dB(A)
Material gate	15-03-2025	47.5	38.3
CCR	15-03-2025	44.7	31.6
CHP	15-03-2025	45.3	41.7
Ralia	15-03-2025	33.2	28.4
Bhilai	15-03-2025	37.3	29.6
Hardadih	15-03-2025	41.6	33.7
Sukhrpali	15-03-2025	40.1	32.6
Gataura	15-03-2025	38.5	32.6
ADM Gate	15-03-2025	55.2	45.6
Turbine Hall	15-03-2025	62.4	44.7
B-Type	15-03-2025	52.2	41.7