

**Half Yearly Compliance Report
2021
01 Dec(01 Apr - 30 Sep)**

Acknowledgement

Proposal Name	Modernization-cum-expansion of Bhilai Steel Plant (4.00 MTPA to 7.00 MTPA) alongwith Captive Power Plant (72 MW) at Bhilai, Chhattisgarh by MIs Steel Authority of India Ltd.		
Name of Entity / Corporate Office	Bhilai Steel Plant SAIL		
Village(s)	DURG		
District	DURG		
Proposal No.	IA/CG/IND/67974/2017	Category	Industrial Projects - 1
Plot / Survey / Khasra No.		Sub-District	Durg
State	CHHATTISGARH	Entity's PAN	*****7062F
MoEF File No.	F. No. J-11011/28/2007-IA II (I)	Entity name as per PAN	STEEL AUTHORITY OF INDIA LTD

Compliance Reporting Details

Reporting Year	2021
Remarks (if any)	Apr. 2021-Sep.2021
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office	Bhilai Steel Plant SAIL	
	Project Area as per EC Granted	Actual Project Area in Possession
Private	3284.75	6286.75
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	3284.75	6286.75

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Coke from Coke Oven Battery,	Million Tons per Annum (MTPA)	31/03/2018	3.94	2.85	3.94
2	Hot Metal from Blast Furnace	Million Tons per Annum (MTPA)	31/03/2018	7.5	4.28	7.5
3	Bars and Rods from BAR and ROD Mills	Million Tons per Annum (MTPA)	31/03/2018	0.9	0.43	0.9
4	Crude Steel From Steel Melting Shops	Million Tons per Annum (MTPA)	31/03/2018	7.0	4.07	7.0
5	Sinters from Sinter Plant	Million Tons per Annum (MTPA)	31/03/2018	9.772	6.50	9.772
6	Power and Steam from PBS	MW	31/03/2018	94	3.84	94
7	Plates from Plate Mill	Million Tons per Annum (MTPA)	31/03/2018	1.65	1.02	1.65
8	Merchant Products from Merchant Mill	Million Tons per Annum (MTPA)	31/03/2018	0.85	0.60	0.85
9	Wire Rods Products from Wire Rod Mill	Million Tons per Annum (MTPA)	31/03/2018	0.70	0.43	0.70
10	Refractories from Refractory Material Plant	Million Tons per Annum (MTPA)	31/03/2018	1.58	0.19	1.58
11	Oxygen from Oxygen Plant	Tons per Day (TPD)	10/03/2018	550 of 3 and 700 of 1	1571	550 of 3 and 700 of 1
12	Rail and Structures from RSM	Million Tons per Annum (MTPA)	10/03/2018	2.20	0.78	2.20

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan should be submitted. On-line stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg/Nm ³ . Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhopal, CPCB and CECB once in six months.
<p>PPs Submission: Complied</p> <p>All projects coming under expansion cum modernization will have state-of-the-art pollution control technologies (for reduction of RSPM and Stack emission) and will be installed along with the modernization packages. This will be adhered to the norms stipulated by State Pollution Control Board i.e. Stack Emission below 50 mg/Nm³. On-line stack monitoring is being incorporated in all the expansion units. In existing plant 15 Nos. online stack monitoring system installed and 13 Nos. of online stack monitoring system in remaining identified stacks have been installed recently (March-17). Particulate Matter Data from 15 stacks, SO_x from two batteries and effluent data from Outlet A is being transmitted to CPCB since 30.09.2015</p>		Date: 04/12/2025
2	AIR QUALITY MONITORING AND PRESERVATION	As proposed, electrostatic precipitator (ESP) shall be provided to sinter Plant, steel melting shop (SMS), Blast Furnace (BF) and Power Plant to control gaseous emissions to 100 mg/Nm ³ . Two-stage Gas cleaning plant (GCP) and ventury scrubbers shall also be provided to BF-8, SMS-II and III, RMP-III and bag filter to RMP-II to control fugitive emissions. Dust suppression system shall be provided to control dust from coal and Iron storage area. Dust extraction system shall be provided in coal crushing and screening, cooler discharge area, product separation area etc. to control fugitive emissions.
<p>PPs Submission: Complied</p> <p>At Sinter Plant -2 Multicyclones shall be replaced by ESPs for all four nos. of sinter machines: work in progress All pollution control system in project expansion is designed to achieve chimney emission within 50 mg/Nm³ as per CECB directives. Sinter Plant III is equipped with ESP based pollution control system. Gas Cleaning Plant is being installed at BF-8, SMS-III and bag filters at RMP-II and III. At SMS-II, gas cleaning plant is already installed. Power Plant- 1 is equipped with ESP to control particulate emission and 100 percent gas fired boilers are coming under expansion. Dust suppression system is being installed in new units to control dust from coal and iron ore storage area Dust extraction system are being installed at coal crushing and screening area to control fugitive emission.</p>		Date: 04/12/2025
3	AIR QUALITY MONITORING AND PRESERVATION	All the standards prescribed for the coke oven plants shall be followed as per the latest guidelines. Proper and full utilization of coke oven gases in power plant using heat recovery steam generators shall be ensured and no fuel gases shall be discharged into the air.
<p>PPs Submission: Complied</p> <p>The appropriate standards prescribed for Coke Oven Batteries is being followed. Complete utilization of Coke Oven (CO) gas is practiced. BSP is committed that there will not be any discharge of CO gas into air.</p>		Date: 04/12/2025
4	AIR QUALITY MONITORING AND PRESERVATION	Gaseous emission levels including secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
<p>PPs Submission: Complied</p> <p>Norms and guidelines as per MoEF Notification dated 31st March, 2012, for fugitive and gaseous</p>		Date: 04/12/2025

emission at Blast Furnace and Sinter Plants are being followed.		
5	WATER QUALITY MONITORING AND PRESERVATION	Total water requirement from Maroda-II reservoir and Tandula canal after expansion shall not exceed 15,981 m ³ /h. Treated waste water shall be recycled and reused for cooling in BF shell, BF gas, valve of hot air blast and the skids in reheating furnaces. The treated effluent shall also be used in GCP for gas cleaning at BF, steel making, slag granulation plant (SGP), boiler make up water etc. Effluent from coke oven shall be treated in BOD plant and reused for coke quenching. All the treated waste water shall be recycled and reused in the process, dust suppression and green belt development Zero effluent discharge shall be strictly followed and no waste water shall be discharged outside the premises. Treated effluent may be discharged only in emergency in water recovery system
PPs Submission: Complied Water consumption limit will be adhered. Treated effluent from GCP and STP is being recycled back for cooling/ other uses. Treated Coke Oven effluents from the BOD plant are being used completely for coke quenching. To achieve Zero Discharge following actions are being taken: Outlet A discharge water is being recycled. Outlet B discharges: scheme under finalization. Outlet C discharges: Under tendering stage.		Date: 04/12/2025
6	WATER QUALITY MONITORING AND PRESERVATION	Prior Permission for the drawl of additional water from the concerned department shall be obtained.
PPs Submission: Complied For drawl additional water, application has been submitted to Water Resource Department, Govt. of Chhattisgarh on 20/09/2010. Various meeting and discussion were held with WRD officials since Sep'2010. WRD, Govt. of CG vide letter dtd. 05.05.2014 showed their inability to allocate additional 2.0 TMC water to BSP. However, GM (Utilities) requested again Principal Secretary, WRD, Govt. of CG, dtd. 26.05.2014 for supply of additional 2.0 TMC of water to BSP. The case is being persuaded regularly with WRD, Govt. of CG. BSP is also trying to meet the additional water required through implementation of recycling scheme.		Date: 04/12/2025
7	WATER QUALITY MONITORING AND PRESERVATION	Continuous monitoring of Total Organic Compounds (TOC) shall be done at the outlet of effluent treatment plant (BOD plant).
PPs Submission: Complied TOC is incorporated in the ongoing revamping scheme of existing Effluent Treatment Plant at Coke Ovens : work in progress. Details of TOC analyser are as below: Make : E and H Measurement range of 0 to 300 mg TOC/l		Date: 04/12/2025
8	WASTE MANAGEMENT	As proposed, coal and coke fines shall be recycled and reused in the process. Iron ore, fluxes, mill scale etc. shall be recycled to sinter plant to produce sinter. All the blast furnace (BF) slag shall be granulated and provided to cement manufacturers for further utilization. All the BOF slag shall be reused in the blast furnace, sinter plant. SMS slag shall also be properly utilized. All the other solid waste including broken refractory mass shall be properly disposed off in environment-friendly manner or in a suitably designed landfill as per CPCB guidelines to prevent leaching to the sub-soil and underground aquifer within the premises and efforts shall be made to make further utilization. Waste oil shall be sold to authorized recyclers.
PPs Submission: Complied Coke fines are recycled and reused in Sinter Plants. Similarly Iron Ore, Fluxes and Mill Scales are also recycled to Sinter Plant. Blast Furnace Slag from BF -8 will be granulated and sold to Cement		Date: 04/12/2025

<p>Plant for Cement making. Steel slag is recycled in BF, SMS-1, Sinter Plant and road making. Avenues being searched for enhanced BOF slag utilization in road making , Rail Ballast construction Solid waste is being utilized to the maximum. Remaining waste is being disposed off in an environment friendly manner. Waste oil is recycled for in-house inferior applications. Secured Landfill for Hazardous waste is being constructed: work in progress</p>		
9	WASTE MANAGEMENT	All the fly ash shall be utilized as per Fly Ash Notification, 1999 subsequently amendment in 2003.
<p>PPs Submission: Complied Fly Ash utilization as per current notification is being adhered. Percentage utilization of Fly Ash (100 Percentage fly ash generated has been utilized)</p>		Date: 04/12/2025
10	WASTE MANAGEMENT	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
<p>PPs Submission: Complied Following Action undertaken for reduction of solid waste generation : Beneficiated iron ore will be used Only gas fired boiler envisaged in PBS-II expansion and no fly-ash will be generated from it Low slag rate will be achieved in modern BF-8 Mill scale will be reduced after phasing out of BBM, however presently 100 percentage mill scale is recycled.</p>		Date: 04/12/2025
11	GREENBELT	As proposed, green belt shall be developed in 33percent area within and around the plant premises as per the CPCB guidelines in consultation with DFO.
<p>PPs Submission: Complied Earlier the area covered under green belt was 31.8 percentage (1654 Ha.). Further, as per the direction of DFO (Durg) plantation has been done in the remaining 1.8 percentage (60 Ha.). As on date 33.6 percentage area around the plant premises is covered under greenbelt.</p>		Date: 04/12/2025
12	MISCELLANEOUS	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel plants shall be implemented.
<p>PPs Submission: Complied Recommendation made in the Charter on Corporate Responsibility for Environment Protection (CREP) is being implemented as per the guidelines of CPCB and compliance report is being regularly submitted and reviewed by National Task Force (CPCB).</p>		Date: 04/12/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government.
<p>PPs Submission: Complied The stipulations made by Chhattisgarh Environmental Conservation Board (CECB) are being adhered to.</p>		Date: 04/12/2025
2	Statutory compliance	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.
<p>PPs Submission: Complied Prior approval will be taken.</p>		Date:

			04/12/2025
3	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and locations. At no time the emission level shall go beyond the prescribed standards. The interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	
PPs Submission: Complied Gaseous emission from all process and de-dusting stacks are within the norms. Interlocking facilities for process with pollution control equipment exists.			Date: 04/12/2025
4	AIR QUALITY MONITORING AND PRESERVATION	In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials/coal handlings etc. shall be provided. Further, specific measures like provision of dust suppression system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be installed at material transfer points and other raw material handling areas. Centralized de-dusting system i.e. collection of fugitive emissions through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack of appropriately designed height conforming to the standards. Fugitive emissions shall be regularly monitored and records maintained.	
PPs Submission: Complied Closed conveyors with dust suppression /extraction system are being provided in the expansion/modernization units. Dust suppression and dust extraction system installed to reduce fugitive emission at major material transfer points and raw materials handling areas at COCCD and OHP. Centralized de-dusting system equipped with Bag filter/ ESPs are being installed at RMP-II, RMP-III, SP-II, SP-III and BF - 8. Height of the stack shall be conforming to standards. Fugitive emissions are being monitored at specified locations.			Date: 04/12/2025
5	AIR QUALITY MONITORING AND PRESERVATION	At least, four ambient air quality-monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the CECB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhopal and the CECB/CPCB.	
PPs Submission: Complied Four online ambient air quality stations have been installed in consultation with CECB. Data on ambient air quality and stack emission is being sent regularly to CECB/CPCB.			Date: 04/12/2025
6	WASTE MANAGEMENT	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 22 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose	
PPs Submission: Complied Industrial waste water is properly collected and treated. Industrial treated wastewater from BSP is discharged outside plant boundary from three outlets viz. Outlet A, B and C. Outlet A discharge water is being recycled. Outlet B discharges: scheme under finalization stage. Outlet C discharges: Under tendering stage.			Date: 04/12/2025
7	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all	

		sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz 75 dBA (daytime) and 70 dBA (nighttime).
<p>PPs Submission: Complied</p> <p>Noise control measures such as acoustic hoods, enclosures etc. are being implemented at high noise areas like Mills and Oxygen Plants to keep the overall noise level within 85 dBA. The ambient noise level is at present below the prescribed standard.</p>		<p>Date: 04/12/2025</p>
8	Corporate Environmental Responsibility	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
<p>PPs Submission: Complied</p> <p>Occupational health surveillance of workers is being done on regular basis and records are maintained.</p>		<p>Date: 04/12/2025</p>
9	Human Health Environment	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
<p>PPs Submission: Complied</p> <p>Roof rainwater harvesting scheme implemented at Machine shop shops conserving about 35000 m3 rain water/year. In township roof rain water system has been implemented at three school and three office buildings. A tank of 120000 m3 capacity has been made in the township for rain water harvesting.</p>		<p>Date: 04/12/2025</p>
10	Human Health Environment	The project shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.
<p>PPs Submission: Complied</p> <p>BSP shall be adhered to recommendation made in the EIA/EMP report for environment protection measures. BSP is engaged in continuous basis for socioeconomic development of surrounding village as part of CSR activities in the following area: Education ,Road Making , Health, Drinking Water, Community development programme, Economic up-liftment activities etc</p>		<p>Date: 04/12/2025</p>
11	MISCELLANEOUS	As proposed, Project authorities shall earmark Rs. 736.50 Crores and Rs. 110.50 Crores toward capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry Regional Office at Bhopal. The funds so provided should not be diverted for any other purpose.
<p>PPs Submission: Complied</p> <p>Earmarking capital cost and recurring expenditure towards environmental measures in the expansion project is in process. Once the project will be completed total capital cost and recurring cost shall be assessed. Implementation schedule (six monthly compliance report) is being submitted to MoEF Regional office, Bhopal.</p>		<p>Date: 04/12/2025</p>
12	MISCELLANEOUS	The Regional Office of this Ministry at Bhopal/CPCB/CECB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.

PPs Submission: Complied Six monthly compliance reports are being sent to MoEF Regional Office Nagpur.		Date: 04/12/2025
13	MISCELLANEOUS	The Project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office.
PPs Submission: Complied BSP had informed the public about the environment clearance through newspaper advertisement in April 2008 and the same has been forwarded to MoEF Regional Office, Bhopal.		Date: 04/12/2025
14	MISCELLANEOUS	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
PPs Submission: Complied The final approval of the project was accorded by SAIL Board on 3.4.2007 and the same has been forwarded to MoEF Regional Office, Bhopal.		Date: 04/12/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p style="text-align: center;">Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
भिलाई इस्पात संयंत्र
BHILAI STEEL PLANT

GM I/c(EnMD)/B-8/2021/

Date: 20/12/2021

To,

Integrated Regional Office,
Aranya Bhawan, North Block, Sector-19,
Naya Raipur,
Atal Nagar, Chhattisgarh
E-mail: iroraipur@gmail.com

Sub: Environmental Clearance of 7.0 MTPA Expansion at BSP – Submission of 6 monthly compliances Reports.

Ref: Environmental Clearance granted by MoEFCC's vide F.no. J-11011/28/2007- IA II (I) dated 24.05.2019.

Respected Sir,

Six monthly compliance report (April'2021 to September'2021) for the BSP's 7.0 MT Expansion / Modernization project vide letter under reference is enclosed.

The project details & pointwise information on the status of compliance of EC conditions along with relevant monitoring reports & other details etc. are also enclosed.

Thanking you,

(Uma Katoch)
GM I/c(Env.MD)

Copy to:

In-Charge
Ministry of Environment & Forests and Climate Change,
Regional Office (West-Central Zone)
Ground Floor, East Wing
New Secretariat, Civil Line
Nagpur – 440001

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BHILAI STEEL PLANT
April 2021 to Sep. 2021

FLAG E

E-1

Stack emission

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Month- April 2021

A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg/Nm3)	SO₂ (250mg/Nm3)	NO_x (150mg/Nm3)	CO (Norm : 1%)
Blast Furnace											
BF-5 (Process)	Stoves	60	3.5	GCP (Scrubber)	07 Apr, 09:45-10:50 (65 Minute)	2653	116185	19.15	112.00	135.20	0.78 %V/V
BF-7 (Process)	Stoves			--do--	26 Apr, 10:00-11:10 (70 Minute)	3255	98847	20.89	114.60	136.00	0.77 %V/V
BF-7 (Space dedusting)				GCP (Scrubber)	09 Apr, 10:45-11:25 (40 Minute)	-	-	49.18	-	-	
SMS-2											
LF-1	Ladle Furnace	60	1.65	Bag Filter	06 Apr, 10:45-11:05 (20 Minute)	2280	103581	49.01	95.30		-
LF-2	Ladle Furnace	50	1.5	Bag Filter	19 Apr, 09:45-10:30 (45 Minute)	3480	104910	25.21	73.80		-
A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50 mg/Nm3)	SO₂ (Norm:800 mg/Nm3)	NO_x (Norm:500 mg/Nm3)	CO (Norm: 3 kg/T of Coke)

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Coke Oven											
Battery No. 1	Battery	100	3.5	Nil	27 Apr, 09:40-10:45 (65 Minute)	659	115583	45.20	140.00	158.90	2.63 Kg/T coke
Battery No. 3	Battery	100	3.5	Nil	17 Apr, 09:15-10:15 (60 Minute)	715	114865	47.82	115.20	126.30	2.71Kg/T coke
Battery No. 4	Battery	100	3.5	Nil	17 Apr, 10:30-11:30 (60 Minute)	670	118186	46.09	108.40	118.00	2.66 Kg/T coke
Battery No. 5	Battery	100	3.5	Nil	24 Apr, 09:15-10:15 (60 Minute)	860	114857	42.42	95.60	202.40	2.58 Kg/T coke
Battery No. 6	Battery	100	3.5	Nil	24 Apr, 10:30-11:30 (60 Minute)	860	115501	44.14	94.80	164.00	2.67 Kg/T coke
Battery No. 9	Battery	100	3.5	Nil	01 Apr, 09:45-10:50 (65 Minute)	1789	212899	48.74	146.20	154.50	2.52 Kg/T coke
Battery No. 11	Battery	120	4.2	Nil	02 Apr, 10:00-11:00 (60 Minute)	1729	193741	44.32	99.90	245.00	2.64 Kg/T coke
DCDA Acid Plant	DCDA Acid Plant	40	0.8	Absorption Tower	13 Apr, 10:15-10:50 (35 Minute)	84	10195	-	2.340 Kg/T H ₂ SO ₄	-	-
A.	Stack emission										
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring(duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg/Nm³)	SO₂ (Norm:600 mg/Nm³)	NO_x (Norm:600mg/Nm³)	CO
Sinter Plant											
SP-2											
SP-2 (M/c-1)	Sintering Machine	100	6	Multi-Cyclone	20 Apr, 09:05-09:45 (40 Minute)	6010	246829	42.05	93.40	-	-
SP-2 (M/c-2)	Sintering Machine	100	6	Multi-Cyclone	20 Apr, 10:00-10:40 (40 Minute)	6010	245475	47.35	87.90	-	-
SP-2 (M/c-3)	Sintering Machine	100	6	Multi-Cyclone	10 Apr, 11:45-12:20 (35 Minute)	8120	241237	47.81	70.50	-	-

BHILAI STEEL PLANT
April 2021 to Sep. 2021

SP-2 (M/c-4)	Sintering Machine	100	6	Multi-Cyclone	10 Apr, 11:00-11:20 (20 Minute)	8120	246986	48.64	58.27	-	-
SP-2, (Space dedusting)				ESP	29 Apr, 10:00-10:45 (45 Minute)	-	-	48.22	-	-	-
SP-3											
SP-3 (M/c-1)	Sintering Machine	120	7	ESP	03 Apr, 10:35-11:15 (40 Minute)	7732	490196	35.62	-	-	-
SP-3 (M/c-2)	Sintering Machine	120	7	ESP	05 Apr, 10:10-10:55 (45 Minute)	6086	504043	48.15	-	-	-
TPP/CPP											
Boiler 1	Boiler	80	4.3	ESP	22 Apr, 08:50-09:25 (35 Minute)	2360	115390	38.16	94.60	110.20	-
Boiler 2	Boiler	80	4.3	ESP	22 Apr, 09:45-10:30 (45 Minute)	1930	116642	41.12	98.20	102.40	-
Boiler 3	Boiler	80	4.3	Wet Scrubber	15 Apr, 10:45-11:30 (45 Minute)	1950	82660	47.40	98.20	108.60	-
Boiler 4	Boiler	80	4.3	Wet Scrubber	15 Apr, 11:35-12:15 (45 Minute)	2080	80090	46.75	101.40	119.00	
RMP2											
RK	Rotary Kiln	60	2	Bag Filter	14 Apr, 10:45-11:30 (45 Minute)		41.2				

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Month- May 2021

A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM)(Norm:50mg/Nm3)	SO₂ (250mg/Nm3)	NO_x (150mg/Nm3)	CO (Norm : 1%)
Blast Furnace											
BF-1 (Process)	Stoves	60	2.5	GCP (Scrubber)	11 May, 09:00-10:10 (70 Minute)	1853	56297	20.02	110.00	119.00	0.76 % V/V
BF-8 (Process)	Stoves			--do--	29 May, 08:45-09:45 (60 Minute)	7003	152759	21.79	78.60	86.80	0.78% V/V
BF-7 (Space dedusting)				GCP (Scrubber)	20 May, 10:45-11:30 (45 Minute)	-	-	43.91	-	-	-
SMS-2											
LF-1	Ladle Furnace	60	1.65	Bag Filter	18 May, 10:30-11:00 (30 Minute)	2040	106323	48.96	97.50		-
LF-2	Ladle Furnace	50	1.5	Bag Filter	17 May, 10:05-10:50 (45 Minute)	2880	103227	43.15	78.20		-
A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM)(Norm:50mg/Nm3)	SO₂ (Norm:800 mg/Nm3)	NO_x (Norm:500 mg/Nm3)	CO (Norm: 3 kg/T of Coke)

BHILAI STEEL PLANT
April 2021 to Sep. 2021

g/Nm ³)											
Coke Oven											
Battery No. 1	Battery	100	3.5	Nil	01 May, 08:50-10:00 (70 Minute)	670	119557	34.46	152.80	165.20	2.58 Kg/T coke
Battery No. 3	Battery	100	3.5	Nil	22 May, 09:30-10:30 (60 Minute)	715	118734	43.31	108.60	122.42	2.69Kg/T coke
Battery No. 4	Battery	100	3.5	Nil	22 May, 10:45-11:45 (60 Minute)	670	121508	44.54	113.20	119.35	2.68 Kg/T coke
Battery No. 5	Battery	100	3.5	Nil	27 May, 11:10-12:00 (50 Minute)	782	112289	46.70	124.00	329.00	2.61 Kg/T coke
Battery No. 6	Battery	100	3.5	Nil	29 May, 11:20-12:20 (60 Minute)	804	118392	45.58	94.00	208.00	2.65 Kg/T coke
Battery No. 8	Battery	100	3.5	Nil	04 May, 09:30-10:30 (60 Minute)	670	111954	48.60	82.40	105.80	2.64 Kg/T coke
Battery No. 9	Battery	100	3.5	Nil	04 May, 10:45-11:45 (60 Minute)	1669	234064	43.03	113.80	160.20	2.55 Kg/T coke
Battery No. 11	Battery	120	4.2	Nil	11 May, 11:15-12:15 (60 Minute)	1246	180509	42.12	196.00	235.80	2.61 Kg/T coke
DCDA Acid Plant	DCDA Acid Plant	40	0.8	Absorption Tower	15 May, 11:00-11:35 (35 Minute)	76	10381	-	2.491 Kg/T H ₂ SO ₄	-	-
A.	Stack emission										
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring(duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg/Nm ³)	SO ₂ (Norm:600 mg/Nm ³)	NO _x (Norm:600mg/Nm ³)	CO
Sinter Plant											
SP-2											
SP-2 (M/c-2)	Sintering Machine	100	6	Multi-Cyclone	13 May, 09:40-10:25 (45 Minute)	2014	247763	46.47	79.60	-	-
SP-2 (M/c-3)	Sintering	100	6	Multi-	08 May, 09:05-09:45 (40	2263	233764	47.17	70.35	-	-

BHILAI STEEL PLANT
April 2021 to Sep. 2021

	Machine			Cyclone	Minute)						
SP-2 (M/c-4)	Sintering Machine	100	6	Multi-Cyclone	08 May, 10:00-10:45 (45 Minute)	2263	236252	48.82	65.40	-	-
SP-3											
SP-3 (M/c-1)	Sintering Machine	120	7	ESP	20 May, 09:50-10:30 (40 Minute)	4222	520745	45.34	-	-	-
SP-3 (M/c-2)	Sintering Machine	120	7	ESP	06 May, 09:45-10:30 (45 Minute)	4914	521814	43.15	-	-	-
TPP/CPP											
Boiler 1	Boiler	80	4.3	ESP	27 May, 09:05-09:50 (45 Minute)	2545	115773	47.04	98.20	114.00	-
Boiler 2	Boiler	80	4.3	ESP	27 May, 10:00-10:45 (45 Minute)	2645	114477	48.95	102.50	116.40	-
Boiler 3	Boiler	80	4.3	Wet Scrubber	25 May, 09:10-09:55 (45 Minute)	2140	85163	48.26	120.62	128.60	-
Boiler 4	Boiler	80	4.3	Wet Scrubber	25 May, 10:00-10:45 (45 Minute)	2745	82478	46.61	122.32	135.20	

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Month- June 2021

A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg/Nm3)	SO₂ (250mg/Nm3)	NO_x (150mg/Nm3)	CO (Norm : 1%)
Blast Furnace											
BF-6 (Process)	Stoves	60	3.5	GCP (Scrubber)	30 Jun, 08:00-09:05 (65 Minute)	1340	117185	18.19	110.00	124.00	0.81 % V/V
BF-5 (Space dedusting)				Bag filter	26 Jun, 10:00-10:45 (45 Minute)	-	-	42.02	-	-	-
SMS-2											
LF-1	Ladle Furnace	60	1.65	Bag Filter	04 Jun, 11:25-12:00 (35 Minute)	2040	110006	47.48	106.00		-
LF-2	Ladle Furnace	50	1.5	Bag Filter	29 Jun, 11:45-12:30 (45 Minute)	2760	107727	48.45	79.60		-
A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50 mg/Nm3)	SO₂ (Norm:800 mg/Nm3)	NO_x (Norm:500 mg/Nm3)	CO (Norm: 3 kg/T of Coke)
Coke Oven											
Battery No. 1	Battery	100	3.5	Nil	07 Jun, 10:30-11:30 (60 Minute)	882	123371	46.33	129.40	144.30	2.62 Kg/T coke

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Battery No. 3	Battery	100	3.5	Nil	23 Jun, 09:30-10:30 (60 Minute)	838	119076	43.64	110.20	128.40	2.65 Kg/T coke
Battery No. 4	Battery	100	3.5	Nil	23 Jun, 10:35-11:35 (60 Minute)	648	121573	46.56	118.00	126.90	2.67 Kg/T coke
Battery No. 5	Battery	100	3.5	Nil	24 Jun, 10:20-11:20 (60 Minute)	860	116795	47.90	123.00	215.00	2.64 Kg/T coke
Battery No. 6	Battery	100	3.5	Nil	24 Jun, 11:30-12:30 (60 Minute)	826	120574	45.33	93.00	177.00	2.63 Kg/T coke
Battery No. 8	Battery	100	3.5	Nil	02 Jun, 09:20-10:20 (60 Minute)	648	116254	45.00	86.40	136.20	2.59 Kg/T coke
Battery No. 9	Battery	100	3.5	Nil	02 Jun, 10:50-11:35 (45 Minute)	1729	225683	47.03	112.00	124.00	2.58 Kg/T coke
Battery No. 11	Battery	120	4.2	Nil	03 Jun, 10:15-11:15 (60 Minute)	1568	178461	44.39	107.00	205.00	2.60 Kg/T coke
DCDA Acid Plant	DCDA Acid Plant	40	0.8	Absorption Tower	18 Jun, 11:15-11:50 (35 Minute)	84	9328	-	2.041 Kg/T H ₂ SO ₄	-	-
A.	Stack emission										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)			
								Particulate matter (PM) (Norm:50mg/Nm ³)	SO ₂ (Norm:600 mg/Nm ³)	NO _x (Norm:600 mg/Nm ³)	CO
SP-2											
SP-2 (M/c-1)	Sintering Machine	100	6	Multi-Cyclone	29 Jun, 10:00-10:40 (40 Minute)	2053	239501	45.58	62.30	-	-
SP-2 (M/c-2)	Sintering Machine	100	6		29 Jun, 10:50-11:30 (40 Minute)	2053	244293	47.74	82.40		
SP-2 (M/c-3)	Sintering Machine	100	6	Multi-Cyclone	22 Jun, 11:00-11:40 (40 Minute)	1938	232387	48.32	60.90	-	-
SP-2 (M/c-4)	Sintering Machine	100	6	Multi-Cyclone	22 Jun, 11:50-12:35 (45 Minute)	1938	231802	46.95	72.80	-	-
SP-3											

BHILAI STEEL PLANT
April 2021 to Sep. 2021

SP-3 (M/c-1)	Sintering Machine	120	7	ESP	17 Jun, 11:00-11:45 (45 Minute)	4813	499937	42.29	-	-	-
SP-3 (M/c-2)	Sintering Machine	120	7	ESP	15 Jun, 11:00-11:40 (40 Minute)	8566	519042	39.30	-	-	-
SP-3, M/c-1 (Space dedusting)				ESP	30 Jun, 09:30-10:10 (40 Minute)	-	-	46.53			
SP-3, M/c-2 (Space dedusting)				ESP	09 Jun, 10:45-11:30 (45 Minute)	-	-	48.14			
TPP/CPP											
Boiler 1	Boiler	80	4.3	ESP	01 Jun, 11:00-11:45 (45 Minute)	2570	115146	47.97	102.00	125.30	-
Boiler 2	Boiler	80	4.3	ESP	01 Jun, 11:55-12:40 (45 Minute)	2625	118167	47.41	122.40	131.70	-
Boiler 3	Boiler	80	4.3	Wet Scrubber	30 Jun, 12:30-01:15 (45 Minute)	1875	86329	40.77	118.50	124.00	-
Boiler 4	Boiler	80	4.3	Wet Scrubber	10 Jun, 10:45-11:30 (45 Minute)	2198	83914	45.12	126.10	138.50	
Boiler 5	Boiler	80	4.3	ESP	28 Jun, 10:15-11:00 (45 Minute)	2360	117445	42.45	91.50	128.00	
Boiler 6	Boiler	80	4.3	ESP	28 Jun, 12:50-01:30 (40 Minute)	1255	347932	42.10	90.63	120.00	
RMP-2											
RK	Rotary Kiln	60	2	Bag Filter	29 Jun, 12:50-13:40 (50 Minute)	114	53234	46.96	-	-	-
Mills											
Wire Rod Mill	RHF				12 Jun, 11:05-12:05 (60 Minute)	-	-	18.18	71.80	-	
Merchant Mill	RHF				30 Jun, 11:05-12:05 (60 Minute)	-	-	23.31	81.70	38.60	
Rail Mill	RHF				11 Jun, 11:30-12:30 (60 Minute)	-	-	19.27	72.80	-	

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Month- July 2021

A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg/Nm3)	SO₂ (250mg/Nm3)	NO_x (150mg/Nm3)	CO (Norm : 1%)
Blast Furnace											
BF-1 (Process)	Stoves	60	2.5	GCP (Scrubber)	29 Jul, 10:50-11:50 (60 Minute)	1638	57758	22.51	127.80	136.00	0.87% V/V
BF-7 (Process)	Stoves	70	3.5	--do--	17 Jul, 11:45-12:45 (60 Minute)	3209	115659	21.47	54.90	62.40	0.78% V/V
BF-8) (Process)	Stoves			--do--	03 Jul, 09:55-11:00 (65 Minute)	8031	157366	19.20	107.90	146.50	0.81% V/V
BF-7 (Space dedusting)				GCP (Scrubber)	21 Jul, 11:40-12:20 (40 Minute)	-	-	41.30	-	-	-
SMS-2											
LF-1	Ladle Furnace	60	1.65	Bag Filter	15 Jul, 11:10-11:45 (35 Minute)	2160	114608	48.32	96.50		-
LF-2	Ladle Furnace	50	1.5	Bag Filter	14 Jul, 09:55-10:40 (45 Minute)	3000	107328	38.96	73.40		-
A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50	SO₂ (Norm:800 mg/Nm3)	NO_x (Norm:500 mg/Nm3)	CO (Norm: 3 kg/T

BHILAI STEEL PLANT
April 2021 to Sep. 2021

											mg/Nm ³)			of Coke
Coke Oven														
Battery No. 1	Battery	100	3.5	Nil	09 Jul, 10:45-11:45 (60 Minute)	804	121465	36.50	123.40	135.00	2.49 Kg/T coke			
Battery No. 3	Battery	100	3.5	Nil	26 Jul, 10:30-11:30 (60 Minute)	882	121043	47.50	125.10	135.00	2.67 Kg/T coke			
Battery No. 4	Battery	100	3.5	Nil	26 Jul, 11:45-12:45 (60 Minute)	771	121375	49.43	120.60	128.00	2.54 Kg/T coke			
Battery No. 5	Battery	100	3.5	Nil	22 Jul, 10:15-11:15 (60 Minute)	860	117425	45.25	124.00	145.00	2.58 Kg/T coke			
Battery No. 6	Battery	100	3.5	Nil	22 Jul, 11:30-12:30 (60 Minute)	827	119931	43.91	93.00	120.00	2.65 Kg/T coke			
Battery No. 8	Battery	100	3.5	Nil	16 Jul, 11:00-12:00 (60 Minute)	648	116561	41.58	135.40	142.60	2.61 Kg/T coke			
Battery No. 9	Battery	100	3.5	Nil	06 Jul, 10:00-11:05 (65 Minute)	1568	212021	45.72	124.00	119.60	2.52 Kg/T coke			
Battery No. 11	Battery	120	4.2	Nil	08 Jul, 11:00-12:00 (60 Minute)	1649	173886	46.46	206.30	162.50	2.63 Kg/T coke			
DCDA Acid Plant	DCDA Acid Plant	40	0.8	Absorption Tower	27 Jul, 11:10-11:50 (60 Minute)	80	8992	-	1.71 Kg/T H ₂ SO ₄	-	-			
A.	Stack emission													
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring(duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)						
								Particulate matter(PM) (Norm:50mg/Nm ³)	SO ₂ (Norm:600 mg/Nm ³)	NO _x (Norm:600mg/Nm ³)	CO			
SP-2														
SP-2 (M/c-1)	Sintering Machine	100	6	Multi-Cyclone	12 Jul, 11:55-12:35 (40 Minute)	1682	237295	47.76	72.80	-	-			
SP-2 (M/c-2)	Sintering Machine	100	6	Multi-Cyclone	12 Jul, 11:00-11:45 (45 Minute)	1874	240203	47.50	64.90					

BHILAI STEEL PLANT
April 2021 to Sep. 2021

SP-2 (M/c-3)	Sintering Machine	100	6	Multi-Cyclone	20 Jul, 09:45-10:20 (35 Minute)	2010	230230	46.23	78.00	-	-
SP-2 (M/c-4)	Sintering Machine	100	6	Multi-Cyclone	20 Jul, 10:25-11:05 (40 Minute)	2098	222346	48.43	79.80	-	-
SP-3											
SP-3 (M/c-1)	Sintering Machine	120	7	ESP	13 Jul, 10:40-11:25 (45 Minute)	8398	490222	45.72	-	-	-
SP-3 (M/c-2)	Sintering Machine	120	7	ESP	23 Jul, 11:30-12:10 (40 Minute)	7945	528143	46.85	-	-	-
TPP/CPP											
Boiler 1	Boiler	80	4.3	ESP	01 Jul, 09:55-10:40 (45 Minute)	2474	115327	49.22	120.40	126.20	-
Boiler 2	Boiler	80	4.3	ESP	01 Jul, 10:50-11:35 (45 Minute)	2285	119991	47.72	120.50	135.00	-
Boiler 3	Boiler	80	4.3	Wet Scrubber	05 Jul, 10:00-10:40 (40 Minute)	1795	83620	47.07	118.00	109.50	-
Boiler 4	Boiler	80	4.3	Wet Scrubber	05 Jul, 11:00-11:45 (45 Minute)	2400	85439	44.79	122.30	119.40	
Boiler 5	Boiler	80	4.3	ESP	07 Jul, 09:45-10:30 (45 Minute)	2252	120820	45.84	93.25	130.01	
Boiler 6	Boiler	80	4.3	ESP	24 Jul, 10:15-11:00 (45 Minute)	1424	334954	46.33	135.2	98.50	
RMP-2											
RK	Rotary Kiln	60	2	Wet Scrubber	20 Jul, 11:15-12:00 (45 Minute)	108	61453	46.26	-	-	-
Mills											
Wire Rod Mill	RHF				10 Jul, 10:00-11:10 (70 Minute)	-	-	17.75	-	-	
Plate Mill	RHF				2 Jul, 10:25-11:25 (60 Minute)	-	-	19.57	-	-	
Rail Mill	RHF				10 Jul, 11:30-12:35 (65 Minute)	-	-	17.10	-	-	

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Month- Aug. 2021

A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg /Nm3)	SO₂ (250mg/Nm3)	NO_x (150mg/Nm3)	CO (Norm : 1%)
Blast Furnace											
BF-4 (Process)	Stoves	60	2.5	--do--	28 Aug, 11:30-12:30 (60 Minute)	2146	120559	1919.	132.50	145.00	0.79% V/V
BF-5 (Process)	Stoves	60	3.5	--do--	04 Aug, 11:45-12:45 (60 Minute)	1746	119876	22.86	118.50	142.00	0.80% V/V
BF-6 (Process)	Stoves	60	3.5	--do--	24 Aug, 12:15-13:15 (60 Minute)	2139	118186	20.42	130.40	136.00	0.84% V/V
SMS-2											
LF-1	Ladle Furnace	60	1.65	Bag Filter	10 Aug, 10:45-11:20 (35 Minute)	2520	118123	48.82	92.80		-
LF-2	Ladle Furnace	50	1.5	Bag Filter	25 Aug, 10:05-10:50 (45 Minute)	3600	111575	46.26	80.10		-
A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas	Parameters (whichever are applicable) (9)			
								Particulate matter(PM)	SO₂ (Norm:800	NO_x (Norm:500	CO (Norm:

BHILAI STEEL PLANT
April 2021 to Sep. 2021

		(3)		(5)		(8)	(Norm:50 mg/Nm3)	mg/Nm3)	mg/Nm3)	3 kg/T of Coke	
Coke Oven											
Battery No. 1	Battery	100	3.5	Nil	19 Aug, 10:45-11:45 (60 Minute)	793	120629	43.74	125.00	128.60	2.52 Kg/T coke
Battery No. 3	Battery	100	3.5	Nil	27 Aug, 10:45-11:45 (60 Minute)	815	120055	45.85	118.60	128.30	2.71 Kg/T coke
Battery No. 4	Battery	100	3.5	Nil	27 Aug, 11:55-13:00 (65 Minute)	648	122146	48.01	116.80	122.40	2.60 Kg/T coke
Battery No. 5	Battery	100	3.5	Nil	17 Aug, 11:00-12:00 (60 Minute)	838	120545	46.77	125.00	132.00	2.67 Kg/T coke
Battery No. 6	Battery	100	3.5	Nil	17 Aug, 12:10-13:10 (60 Minute)	815	117503	44.71	102.40	136.00	2.56 Kg/T coke
Battery No. 8	Battery	100	3.5	Nil	02 Aug, 11:30-12:30 (60 Minute)	681	113582	47.76	141.00	148.40	2.72 Kg/T coke
Battery No. 9	Battery	100	3.5	Nil	13 Aug, 10:00-11:05 (65 Minute)	1829	212264	48.71	114.30	139.50	2.68 Kg/T coke
Battery No. 11	Battery	120	4.2	Nil	16 Aug, 10:45-11:45 (60 Minute)	1829	178221	39.70	95.00	121.00	2.58 Kg/T coke
A.	Stack emission										
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring(duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg/Nm3)	SO ₂ (Norm:600 mg/Nm3)	NO _x (Norm:600mg/Nm3)	CO
SP-2											
SP-2 (M/c-1)	Sintering Machine	100	6	Multi-Cyclone	03 Aug, 12:30-13:10 (40 Minute)	2064	238703	47.37	68.30	-	-
SP-2 (M/c-2)	Sintering Machine	100	6	Multi-Cyclone	03 Aug, 11:45-12:20 (35 Minute)	2068	237398	48.63	66.90		
SP-2 (M/c-3)	Sintering Machine	100	6	Multi-Cyclone	06 Aug, 11:50-12:25 (35 Minute)	2069	243444	49.19	73.80	-	-

BHILAI STEEL PLANT
April 2021 to Sep. 2021

SP-2 (M/c-4)	Sintering Machine	100	6	Multi-Cyclone	06 Aug, 10:50-11:30 (40 Minute)	2069	236598	49.1	76.30	-	-
SP-3											
SP-3 (M/c-1)	Sintering Machine	120	7	ESP	05 Aug, 11:15-12:00 (45 Minute)	8692	518151	41.48	-	-	-
SP-3 (M/c-2)	Sintering Machine	120	7	ESP	09 Aug, 10:45-11:30 (45 Minute)	8035	520411	46.30	-	-	-
SP-3, M/c-1 (Space dedusting)				ESP	20 Aug, 11:00-11:45 (45 Minute)	-	-	47.20			
SP-3, M/c-2 (Space de-dusting)				ESP	21 Aug, 10:50-11:35 (45 Minute)	-	-	43.63			
TPP/CPP											
Boiler 1	Boiler	80	4.3	ESP	18 Aug, 10:30-11:15 (45 Minute)	2491	118121	41.44	105.70	128.00	-
Boiler 2	Boiler	80	4.3	ESP	18 Aug, 11:25-12:10 (45 Minute)	2460	123364	39.22	98.40	130.60	-
Boiler 4	Boiler	80	4.3	Wet Scrubber	07 Aug, 11:30-12:15 (45 Minute)	2570	84448	37.73	120.80	119.40	
Boiler 5	Boiler	80	4.3	ESP	12 Aug, 10:30-11:15 (45 Minute)	2135	117829	45.04	103.00	130.01	
Boiler 6	Boiler	80	4.3	ESP	31 Aug, 10:50-11:35 (45 Minute)	1320	313532	35.58	124.1	98.50	
RMP-2											
RK	Rotary Kiln	60	2	Wet Scrubber	23 Aug, 10:45-11:30 (45 Minute)	128	57532	42.01	-	-	-
Mills											
Wire Rod Mill	RHF				16 Aug, 11:00-12:10 (70 Minute)	-	-	19.82	-	-	
Plate Mill	RHF				25 Aug, 12:10-13:10 (60 Minute)	-	-	16.96	-	-	

BHILAI STEEL PLANT
April 2021 to Sep. 2021

Rail Mill	RHF				14 Aug, 13:00-14:05 (65 Minute)	-	-	18.28	-	-	
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Month- Sep. 2021

A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM) (Norm:50mg/Nm3)	SO₂ (250mg/Nm3)	NO_x (150mg/Nm3)	CO (Norm: 1%)
Blast Furnace											
BF-6	Stoves	60	3.5	GCP (Scrubber)	24 Sep,10:40-11:40 (60 minute)	2210	118013	20.42	115.80	128.40	0.81% V/V
BF-5	Stoves	60	3.5	GCP (Scrubber)	23 Sep, 11:15-12:00 (45 Minute)	1860	114084	45.44	-	-	0.77% V/V
SMS-2											
LF-1	Ladle Furnace	60	1.65	Bag Filter	10 Sep, 10:30-11:00 (30 Minute)	1800	119056	48.59	98.60		-
LF-2	Ladle Furnace	50	1.5	Bag Filter	06 Sep, 11:15-12:00 (45 Minute)	2825	112100	34.21	84.50		-
A. Stack emission											
Name of the Plant (1)	Stack connected to (Name of the unit) (2)	Height of the stack (m) (3)	Diameter of the stack (m) (4)	Pollution Control unit provided (Name) (5)	Date & Time of the monitoring (duration) (6)	Production fig. of the unit, during the period of monitoring (7)	Flow rate of the flue gas (8)	Parameters (whichever are applicable) (9)			
								Particulate matter(PM)	SO₂	NO_x	CO (Norm:

BHILAI STEEL PLANT
April 2021 to Sep. 2021

	(2)	(3)				(7)		(Norm:50 mg/Nm ³)	(Norm:800mg/Nm ³)	(Norm:500mg/Nm ³)	3 kg/T of Coke
Coke Oven											
Battery No. 1	Battery	100	3.5	Nil	04 Sep, 11:15-12:15 (60 Minute)	804	123512	43.09	125.60	146.30	2.49 Kg/T coke
Battery No. 3	Battery	100	3.5	Nil	22 Sep, 10:35-11:35 (60 Minute)	793	121347	45.47	120.60	139.40	2.68 Kg/T coke
Battery No. 4	Battery	100	3.5	Nil	22 Sep, 11:45-12:45 (60 Minute)	648	117112	46.66	125.00	139.10	2.54 Kg/T coke
Battery No. 5	Battery	100	3.5	Nil	27 Sep, 10:30-11:30 (60 Minute)	838	123504	47.00	120.00	128.80	2.63 Kg/T coke
Battery No. 6	Battery	100	3.5	Nil	27 Sep, 11:45-12:45 (60 Minute)	838	117932	46.13	114.60	138.20	2.48 Kg/T coke
Battery No. 8	Battery	100	3.5	Nil	01 Sep, 11:00-12:00 (60 Minute)	648	116954	48.75	132.80	148.20	2.64 Kg/T coke
Battery No. 9	Battery	100	3.5	Nil	08 Sep, 10:00-11:05 (65 Minute)	1608	216842	45.65	113.00	123.00	2.61 Kg/T coke
Battery No. 11	Battery	120	4.2	Nil	03 Sep, 11:30-12:30 (60 Minute)	1830	182612	41.61	151.00	127.00	2.51 Kg/T coke
A. Stack emission											
(1) Name of the Plant	(2) Stack connected to (Name of the unit)	(3) Height of the stack (m)	(4) Diameter of the stack (m)	(5) Pollution Control unit provided (Name)	(6) Date & Time of the monitoring(duration)	(7) Production fig. of the unit, during the period of monitoring	(8) Flow rate of the flue gas	(9) Parameters (whichever are applicable)			
								(Norm:50mg/Nm ³) Particulate matter(PM)	(Norm:600mg/Nm ³) SO ₂	(Norm:600mg/Nm ³) NO _x	CO

BHILAI STEEL PLANT
April 2021 to Sep. 2021

SP-2											
SP-2 (M/c-1)	Sintering Machine	100	6	Multi-Cyclone	17 Sep, 12:50-01:20 (30 Minute)	2023	163589	48.67	68.20	-	-
SP-2 (M/c-2)	Sintering Machine	100	6	Multi-Cyclone	28 Sep, 11:05-11:50 (45 Minute)	2376	239153	42.55	72.50		
SP-2 (M/c-3)	Sintering Machine	100	6	Multi-Cyclone	09 Sep, 10:00-10:38 (38 Minute)	2176	236219	47.58	69.80	-	-
SP-2 (M/c-4)	Sintering Machine	100	6	Multi-Cyclone	09 Sep, 11:00-11:40 (40 Minute)	2085	229555	45.08	74.60	-	-
SP-3											
SP-3 (M/c-1)	Sintering Machine	120	7	ESP	02 Sep, 12:10-12:55 (45 Minute)	8573	526401	47.61	-	-	-
SP-3 (M/c-2)	Sintering Machine	120	7	ESP	13 Sep, 09:30-10:10 (40 Minute)	8217	526422	44.80	-	-	-
SP-3, M/c-1 (Space dedusting)	-	-	-	ESP	15 Sep, 10:30-11:15 (45 Minute)	-	-	42.15			
SP-3, M/c-2 (Space dedusting)	-	-	-	ESP	04 Sep, 09:30-10:15 (45 Minute)	-	-	45.72			
TPP/CPP											
Boiler 1	Boiler	80	4.3	ESP	29 Sep, 11:45-12:30 (45 Minute)	1700	116486	48.30	115.00	122.40	-
Boiler 2	Boiler	80	4.3	ESP	15 Sep, 12:20-13:00 (40 Minute)	1950	121728	47.97	103.60	114.80	-
Boiler 3	Boiler	80	4.3	Wet Scrubber	29 Sep, 10:45-11:30 (45 Minute)	2015	85743	48.48	124.20	126.50	
Boiler 4	Boiler	80	4.3	Wet Scrubber	20 Sep, 11:30-12:15 (45 Minute)	1780	82740	47.19	102.40	122.00	
Boiler 5	Boiler	80	4.3	ESP	21 Sep, 11:45-12:25 (40 Minute)	1730	84366	45.84	89.26	129.60	
Boiler 6	Boiler	80	4.3	ESP	21 Sep, 10:50-11:35 (45 Minute)	1330	221906	48.12	128.4	108.50	

BHILAI STEEL PLANT
April 2021 to Sep. 2021

RMP-2											
RK	Rotary Kiln	60	2	Wet Scrubber	07 Sep, 09:45-10:30 (45 Minute)	128	57532	42.01	-	-	-
Mills											
Wire Rod Mill	RHF				07 Sep, 11:00-12:10 (70 Minute)	-	-	19.82	-	-	
Plate Mill	RHF				15 Sep, 13:15-14:20 (60 Minute)	-	-	16.96	-	-	
Rail Mill	RHF				16 Sep, 14:00-15:05 (65 Minute)	-	-	18.28	-	-	

FLAG E

E-2

Fugitive Emission

Fugitive Emissions Status Month- April 2021

S. No (1)	Name of the Unit (2)	Location of the Station (distance) (3)	Up wind / Down wind (4)	Date & time of the monitoring (5)	Parameters (as applicable) (6)						Remarks*
					PM ₁₀ µg/m ³ (4000)	SO ₂ µg/m ³ (200)	NO _x µg/m ³ (150)	Pb* µg/m ³ (2)	CO (5000)	BaP** 2000ng/m ³ 3	
1	Coke Oven area	In front of Batt.-9		08 Apr -09:30	1440	-	-	-	-	300 ng/m ³ **	Norms as per GSR 277 (E) dtd 30/03/2012
2	Sinter Plant	SP-II (Near Exhauster Area)		08 Apr -09:45	1220	-	-	-	-	-	-
3	Blast Furnace	BF # 7, Near furnace		26 Apr -08:30- 12:30	631	35.50	49.68	0.165*	1728	-	Norms as per GSR 277 (E) dtd 30/03/2012
4	Steel Melting Shop-2	Near LF-1		06 Apr -10:30- 13:15	825	38.60	56.20	0.103*	936	-	Norms as per GSR 277 (E) dtd 30/03/2012
5	Thermal Power Plant- 1	Near Boiler-1 & 2		27 Apr -09:25	556	-	-	-	-	-	
6	Lime dolomite plant- 1	RMP-1 (Entrance)		27 Apr -08:45	582	-	-	-	-	-	-
7	Lime dolomite plant-2	RMP-2 (Near welfare building)		08 Apr -10:10	1100	-	-	-	-	-	-
NT- not Traceable Note : * Heavy metal analysis & CO results submitted by RDCIS (Sample collected in June-2020) ** BaP monitoring done by RDCIS in May 2020 and result submitted in August 2020.											

Fugitive Emissions Status Month- May 2021

S. No (1)	Name of the Unit (2)	Location of the Station (distance) (3)	Up wind / Down wind (4)	Date & time of the monitoring (5)	Parameters (as applicable) (6)						Remarks*
					PM ₁₀ µg/m ³ (4000)	SO ₂ µg/m ³ (200)	NO _x µg/m ³ (150)	Pb* µg/m ³ (2)	CO (5000)	BaP** 2000ng/m ³	
1	Coke Oven area	In front of Batt.-9		13 May -08:50	1620	-	-	-	-	300 ng/m ³ **	Norms as per GSR 277 (E) dtd 30/03/2012
2	Sinter Plant	SP-II (Near Exhauster Area)		13 May -09:10	1600	-	-	-	-	-	-
3	Blast Furnace	BF # 7, Near furnace		29 May -08:40-12:40	615	38.70	49.50	0.165*	-	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
4	Steel Melting Shop-2	Near LF-1		18 May -09:40-12:05	818	34.92	42.80	0.103*	-	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
5	Thermal Power Plant-1	Near Boiler-1 & 2		25 May -11:05	1020	-	-	-	-	-	-
6	Lime dolomite plant- 1	RMP-1 (Entrance)		25 May -09:30	698	-	-	-	-	-	-
7	Lime dolomite plant-2	RMP-2 (Near welfare building)		13 May -09:45	1230	-	-	-	-	-	-
NT- not Traceable Note : * Heavy metal analysis & CO results submitted by RDCIS (Sample collected in June-2020) ** BaP monitoring done by RDCIS in May 2020 and result submitted in August 2020.											

Fugitive Emissions Status Month- June 2021

S. No (1)	Name of the Unit (2)	Location of the Station (distance) (3)	Up wind / Down wind (4)	Date & time of the monitoring (5)	Parameters (as applicable) (6)						Remarks*
					PM ₁₀ µg/m ³ (4000)	SO ₂ µg/m ³ (200)	NO _x µg/m ³ (150)	Pb* µg/m ³ (2)	CO (5000)	BaP** 2000ng/m ³	
1	Coke Oven area	In front of Batt.-9		02 Jun -08:50	1210	-	-	-	-	300 ng/m ³ **	Norms as per GSR 277 (E) dtd 30/03/2012
2	Sinter Plant	SP-II (Near Exhauster Area)		22 Jun -09:30	1310	-	-	-	-	-	-
3	Blast Furnace	BF # 6, (Cast House area)		30 Jun -08:00-12:00	952	40.60	44.80	0.370*	1087	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
4	Steel Melting Shop-2	Near LF-1		29 Jun -09:00-01:00	1267	37.40	41.50	0.390*	1642	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
5	Thermal Power Plant-1	Near Boiler-1 & 2		01 Jun -08:45	1150	-	-	-	-	-	-
6	Lime dolomite plant- 1	RMP-1 (Entrance)		01 Jun -09:30	798	-	-	-	-	-	-
7	Lime dolomite plant-2	RMP-2 (Near welfare building)		25 Jun -10:30	1160	-	-	-	-	-	-
NT- not Traceable Note : * Heavy metal analysis results submitted by RDCIS in June 2021 (Sample collected in January-2021) ** BaP monitoring done by RDCIS in January 2021 and results awaited.											

Fugitive Emissions Status Month- July 2021

S. No (1)	Name of the Unit (2)	Location of the Station (distance) (3)	Up wind / Down wind (4)	Date & time of the monitoring (5)	Parameters (as applicable) (6)						Remarks*
					PM ₁₀ µg/m ³ (4000)	SO ₂ µg/m ³ (200)	NO _x µg/m ³ (150)	Pb* µg/m ³ (2)	CO (5000)	BaP** 2000 ng/m ³	
1	Coke Oven area	In front of Batt.-3 & 4 (Batt.-6 for BaP)		29 Jul -11:35	1490	-	-	-	-	NT**	Norms as per GSR 277 (E) dtd 30/03/2012
2	Sinter Plant	SP-II (Near Exhauster Area)		29 Jul -12:15	1690	-	-	-	-	-	-
3	Blast Furnace	BF # 7, Near furnace		07 Jul -10:45-12:20	340	38.70	42.50	0.370*	1095	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
4	Steel Melting Shop-2	Near LF-1		15 Jul -11:00-13:00	430	34.80	40.03	0.390*	1678	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
5	Thermal Power Plant-1	Near Boiler-1 & 2		29 Jul -10:25	1530	-	-	-	-	-	
6	Lime dolomite plant- 1	RMP-1 (Entrance)		29 Jul -09:35	918	-	-	-	-	-	-
7	Lime dolomite plant-2	RMP-2 (Near welfare building)		29 Jul -11:10	1590	-	-	-	-	-	-
<p style="text-align: center;">NT- not Traceable</p> <p>Note : * Heavy metal analysis results submitted by RDCIS in June 2021 (Sample collected in January-2021) ** BaP monitoring done by RDCIS in March 2021 and results submitted in July 2021.</p>											

Fugitive Emissions Status Month- Aug. 2021

S. No (1)	Name of the Unit (2)	Location of the Station (distance) (3)	Up wind / Down wind (4)	Date & time of the monitoring (5)	Parameters (as applicable) (6)						Remarks*
					PM ₁₀ µg/m ³ (4000)	SO ₂ µg/m ³ (200)	NO _x µg/m ³ (150)	Pb* µg/m ³ (2)	CO (5000)	BaP** 2000 ng/m ³	
1	Coke Oven area	In front of Batt.-3 & 4 (Batt.-6 for BaP)		02 Aug -11:40	1760	-	-	-	-	NT**	Norms as per GSR 277 (E) dtd 30/03/2012
2	Sinter Plant	SP-II (Near Exhauster Area)		03 Aug -12:50	1880	-	-	-	-	-	-
3	Blast Furnace	BF # 7, Near furnace		28 Aug -10:00-14:00	317	36.80	41.60	0.370*	1255	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
4	Steel Melting Shop-2	Near LF-1		10 Aug -10:30-12:15	1980	39.70	43.60	0.390*	1724	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
5	Thermal Power Plant-1	Near Boiler-1 & 2		07 Aug -12:20	1490	-	-	-	-	-	-
6	Lime dolomite plant- 1	RMP-1 (Entrance)		28 Aug -12:40	1630	-	-	-	-	-	-
7	Lime dolomite plant-2	RMP-2 (Near welfare building)		23 Aug -12:05	1740	-	-	-	-	-	-
<p style="text-align: center;">NT- not Traceable</p> <p>Note : * Heavy metal analysis results submitted by RDCIS in June 2021 (Sample collected in January-2021) ** BaP monitoring done by RDCIS in March 2021 and results submitted in July 2021.</p>											

Fugitive Emissions Status Month- Sep. 2021

S. No (1)	Name of the Unit (2)	Location of the Station (distance) (3)	Up wind / Down wind (4)	Date & time of the monitoring (5)	Parameters (as applicable) (6)						Remarks*
					PM ₁₀ µg/m ³ (4000)	SO ₂ µg/m ³ (200)	NOx µg/m ³ (150)	Pb* µg/m ³ (2)	CO (5000)	BaP** 2000 ng/m ³	
1	Coke Oven area	In front of Batt.-11		03 Sep -11:25	1780	-	-	-	-	NT**	Norms as per GSR 277 (E) dtd 30/03/2012
2	Sinter Plant	SP-II (Near M/c-3 & 4)		09 Sep -10:45	1870	-	-	-	-	-	-
3	Blast Furnace	BF # 6, Near Weighbridge		30 Sep -10:25-02:00	985	41.00	49.70	0.370*	1147	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
4	Steel Melting Shop-2	Near LF-1 Chimney		28 Sep -10:15-02:15	965	36.40	39.70	0.390*	1528	-	<i>Norms as per GSR 277 (E) dtd 30/03/2012</i>
5	Thermal Power Plant-1	Near Boiler-2		15 Sep -10:30	1400	-	-	-	-	-	-
6	Lime dolomite plant- 1	RMP-1 (Entrance)		18 Sep -11:35	1540	-	-	-	-	-	-
7	Lime dolomite plant-2	RMP-2 (Near welfare building)		18 Sep -10:50	1700	-	-	-	-	-	-
<p>Note : * Heavy metal analysis results submitted by RDCIS in June 2021 (Sample collected in January-2021) ** NT- not Traceable Coke Oven (Battery6) BaP monitoring done in March 2021 and analysis results submitted by RDCIS in July 2021.</p>											

BHILAI STEEL PLANT April 2021 to Sep.2021

FLAG E

E-3

AMBIENT AIR QUALITY

BHILAI STEEL PLANT April 2021 to Sep.2021

AMBIENT AIR QUALITY															
Month-April															
S No.	Location of the Station	Up wind / Down wind	Date & time of the monitoring	Parameters (as applicable)											
1	2	3	4	5											
				PM _{2.5}	PM ₁₀	SO ₂	NO ₂	NH ₃	CO	BaP*	O ₃	Pb*	As*	Ni*	C ₆ H ₆ **
		Norms	24 hrs	60	100	80	80	400	2000 (8 hrs)	-	180	1	-	-	-
			Annual	40	60	50	40	100	4000(1 hrs)	1	100	0.5	6	20	5
	Unit	$\mu\text{g}/\text{m}^3$										ng/m^3			
1	Civic Centre			22.97	50.65	14.21	13.77	2.93	450	NT	37.42	0.046	NT	0.021	0.59
2	OP-2			21.88	53.18	15.63	12.42	2.45	550	NT	47.46	0.100	NT	0.010	0.31
3	Rail Mill			23.13	54.36	18.14	13.63	2.02	610	NT	38.91	0.058	NT	0.016	1.95
4	Ispat Bhavan			18.28	51.78	15.94	14.86	1.89	260	NT	NA**	0.110	NT	0.013	NA**

Note: if monitoring of CO is done on 8 hourly basis, then Norm is $2000\mu\text{g}/\text{m}^3$. Otherwise, norm is $4000\mu\text{g}/\text{m}^3$, when monitoring of CO is done for 1 hr

* Not done regularly. NT- not Traceable.

BHILAI STEEL PLANT April 2021 to Sep.2021

AMBIENT AIR QUALITY																
Month-May																
S No.	Location of the Station	Up wind / Down wind	Date & time of the monitoring	Parameters (as applicable)												
1	2	3	4	5												
				PM _{2.5}	PM ₁₀	SO ₂	NO ₂	NH ₃	CO	BaP*	O ₃	Pb*	As*	Ni*	C ₆ H ₆ **	
		Norms	24 hrs	60	100	80	80	400	2000 (8 hrs)	-	180	1	-	-	-	
			Annual	40	60	50	40	100	4000(1 hrs)	1	100	0.5	6	20	5	
	Unit	$\mu\text{g}/\text{m}^3$										ng/m^3				
1	Civic Centre			25.04	55.79	14.67	15.22	2.93	410	NT	41.53	0.046	NT	0.021	3.36	
2	OP-2			22.61	54.13	16.34	14.22	2.17	580	NT	46.91	0.100	NT	0.010	0.29	
3	Rail Mill			24.47	57.63	17.01	13.84	1.67	660	NT	50.4	0.058	NT	0.016	1.55	
4	Ispat Bhavan			20.63	53.44	13.16	12.91	1.88	270	NT	NA**	0.110	NT	0.013	NA**	

Note: if monitoring of CO is done on 8 hourly basis, then Norm is $2000\mu\text{g}/\text{m}^3$. Otherwise, norm is $4000\mu\text{g}/\text{m}^3$, when monitoring of CO is done for 1 hr

* Not done regularly. NT- not Traceable.

BHILAI STEEL PLANT April 2021 to Sep.2021

AMBIENT AIR QUALITY																
Month-June																
S No.	Location of the Station	Up wind / Down wind	Date & time of the monitoring	Parameters (as applicable)												
1	2	3	4	5												
				PM _{2.5}	PM ₁₀	SO ₂	NO ₂	NH ₃	CO	BaP*	O ₃	Pb*	As*	Ni*	C ₆ H ₆ **	
		Norms	24 hrs	60	100	80	80	400	2000 (8 hrs)	-	180	1	-	-	-	
			Annual	40	60	50	40	100	4000(1 hrs)	1	100	0.5	6	20	5	
	Unit	$\mu\text{g}/\text{m}^3$										ng/m^3				
1	Civic Centre			25.23	49.36	12.95	14.38	1.94	210	NT	47.32	0.060	NT	0.009	3.36	
2	OP-2			21.73	53.24	15.16	13.63	2.76	470	NT	53.16	0.060	NT	0.003	0.27	
3	Rail Mill			25.19	58.11	17.63	14.37	1.78	590	NT	54.77	0.020	NT	0.011	1.06	
4	Ispat Bhavan			18.48	57.42	11.75	13.15	1.90	240	NT	NA**	0.060	NT	0.016	NA**	

Note: if monitoring of CO is done on 8 hourly basis, then Norm is $2000\mu\text{g}/\text{m}^3$. Otherwise, norm is $4000\mu\text{g}/\text{m}^3$, when monitoring of CO is done for 1 hr.

* Not done regularly. Heavy metal analysis & CO results submitted by RDCIS in June 2021 (Sample collected in January-2021)

* NT- not Traceable

BHILAI STEEL PLANT April 2021 to Sep.2021

AMBIENT AIR QUALITY																
Month-July																
S No.	Location of the Station	Up wind / Down wind	Date & time of the monitoring	Parameters (as applicable)												
1	2	3	4	5												
				PM _{2.5}	PM ₁₀	SO ₂	NO ₂	NH ₃	CO	BaP*	O ₃	Pb*	As*	Ni*	C ₆ H ₆ **	
		Norms	24 hrs	60	100	80	80	400	2000 (8 hrs)	-	180	1	-	-	-	
			Annual	40	60	50	40	100	4000(1 hrs)	1	100	0.5	6	20	5	
	Unit	$\mu\text{g}/\text{m}^3$										ng/m^3				
1	Civic Centre			24.31	49.28	13.89	15.97	1.91	232	NT	45.16	0.060	NT	0.009	3.23	
2	OP-2			20.08	53.81	16.01	14.72	2.87	487	NT	54.45	0.060	NT	0.003	0.32	
3	Rail Mill			25.40	57.22	17.78	15.17	1.68	585	NT	56.17	0.020	NT	0.011	1.42	
4	Ispat Bhavan			20.61	56.27	13.18	14.62	1.98	251	NT	NA**	0.060	NT	0.016	NA**	

Note: if monitoring of CO is done on 8 hourly basis, then Norm is $2000\mu\text{g}/\text{m}^3$. Otherwise, norm is $4000\mu\text{g}/\text{m}^3$, when monitoring of CO is done for 1 hr.

* Not done regularly. Heavy metal analysis & CO results submitted by RDCIS in June 2021 (Sample collected in January-2021 * NT- not Traceable

BHILAI STEEL PLANT April 2021 to Sep.2021

B. AMBIENT AIR QUALITY AND FUGITIVE EMISSION																
Month-August																
S No.	Location of the Station	Up wind / Down wind	Date & time of the monitoring	Parameters (as applicable)												
1	2	3	4	5												
				PM _{2.5}	PM ₁₀	SO ₂	NO ₂	NH ₃	CO	BaP*	O ₃	Pb*	As*	Ni*	C ₆ H ₆ **	
		Norms	24 hrs	60	100	80	80	400	2000 (8 hrs)	-	180	1	-	-	-	
			Annual	40	60	50	40	100	4000(1 hrs)	1	100	0.5	6	20	5	
	Unit	$\mu\text{g}/\text{m}^3$											ng/m^3			
1	Civic Centre			24.18	46.09	13.77	14.63	1.97	247	NT	46.08	0.060	NT	0.009	3.84	
2	OP-2			20.62	50.96	16.20	13.96	2.93	461	NT	55.21	0.060	NT	0.003	0.63	
3	Rail Mill			26.18	54.81	18.10	14.12	1.75	572	NT	58.37	0.020	NT	0.011	1.57	
4	Ispat Bhavan			21.04	53.63	13.24	13.83	2.12	274	NT	NA**	0.060	NT	0.016	NA**	

Note: if monitoring of CO is done on 8 hourly basis, then Norm is $2000\mu\text{g}/\text{m}^3$. Otherwise, norm is $4000\mu\text{g}/\text{m}^3$, when monitoring of CO is done for 1 hr.

* Not done regularly. Heavy metal analysis & CO results submitted by RDCIS in June 2021 (Sample collected in January-2021)

* NT- not Traceable

** Monitoring is done through online Continuous Ambient Monitoring system. At Ispat Bhavan, for monitoring of Ozone & Benzene is not done as no analyzers are installed for these parameters.

BHILAI STEEL PLANT April 2021 to Sep.2021

B. AMBIENT AIR QUALITY AND FUGITIVE EMISSION																
Month-September																
S No.	Location of the Station	Up wind / Down wind	Date & time of the monitoring	Parameters (as applicable)												
1	2	3	4	5												
				PM _{2.5}	PM ₁₀	SO ₂	NO ₂	NH ₃	CO	BaP*	O ₃	Pb*	As*	Ni*	C ₆ H ₆ **	
		Norms	24 hrs	60	100	80	80	400	2000 (8 hrs)	-	180	1	-	-	-	
			Annual	40	60	50	40	100	4000(1 hrs)	1	100	0.5	6	20	5	
	Unit	$\mu\text{g}/\text{m}^3$											ng/m^3			
1	Civic Centre			23.52	46.48	13.99	14.47	1.88	273	NT	44.57	0.060	NT	0.009	2.89	
2	OP-2			21.33	49.73	15.97	14.65	2.76	489	NT	61.27	0.060	NT	0.003	0.78	
3	Rail Mill			27.10	55.98	17.75	15.10	1.92	594	NT	60.11	0.020	NT	0.011	1.78	
4	Ispat Bhavan			22.67	54.10	14.02	14.54	2.04	287	NT	NA**	0.060	NT	0.016	NA**	

Note: if monitoring of CO is done on 8 hourly basis, then Norm is $2000\mu\text{g}/\text{m}^3$. Otherwise, norm is $4000\mu\text{g}/\text{m}^3$, when monitoring of CO is done for 1 hr.

* Not done regularly. Heavy metal analysis & CO results submitted by RDCIS in June 2021 (Sample collected in January-2021)

* NT- not Traceable

** Monitoring is done through online Continuous Ambient Monitoring system. At Ispat Bhavan, for monitoring of Ozone & Benzene is not done as no analyzers are installed for these parameters.

Bhilai Steel Plant
Water Pollution Status April 2021 to September 2021

FLAG - F

Water Pollution Status

FLAG G

Noise Pollution Control Status

Bhilai Steel Plant Noise Pollution Status April 2021 to September 2021

<u>Noise Pollution Control Status</u>						
Month-April 2021						
1. Noise Monitoring in Work Zone						
Location	Date of Monitoring	Distance from the source	Name of control equipment provided	Noise Level Leq dB(A) 90 dB (A) for 8 hrs. exposure (As per Factory Act, 1948)	Duration of the monitoring (time)	Remarks
Oxygen plant-2 (Control Room)	29-Apr	5 m	Air tight control Room	66.8	2 Minute	
Blast Furnace-5(Control Room)	07-Apr	5 m	Acoustic Room	70.4	2 Minute	
Mills (Rolling / forgoing) Rail Mill	27-Apr	5 m	Acoustic pulpit	78.9	2 Minute	
TPP/CPP (Turbines-3) (Control Room)	15-Apr	5 m	Acoustic cabins	61.4	2 Minute	
SMS-1 (GCP-4) (Control Room)	Shutdown	5 m	Acoustic Control Room	Shutdown	2 Minute	
SP-2, (M/c-3 & 4) Operator's room	10-Apr	5 m	Acoustic Room	66.4	2 Minute	
Coke-oven area (Batt.-9) (Control Room)	01-Apr	5 m	Air Tight control Room	70.2	2 Minute	
Others						

* Noise level map of the plant may be attached along with the report.

2. Ambient Noise Monitoring

Noise Zone	Noise Level		
	Standard	Day Time	Night time
Unit: dB (A)			
Industrial Area (at boundary of plant)			
Near OP-2	75	61.2	54.9
Near Joratarai Gate	75	61.4	55.3
Near Main Gate	75	63.4	59.6
Near Khursipar Gate	75	68.6	63.4
Commercial Area			
Sector-05 (Market area)	65 Day & 55 Night	55.9	52.0
Sector-06 (Near 'B' Market)	65 Day & 55 Night	63.3	54.2
Sector-09 (Goal Market)	65 Day & 55 Night	51.1	45.2
Maroda Sector (BSP Market)	65 Day & 55 Night	58.8	51.1
Risali Sector (BSP Market)	65 Day & 55 Night	64.1	53.9
Residential Area			
Sector-01 (Street No. - 23)	55 Day & 45 Night	47.5	44.3
Sector-05 (Street No. - 32)	55 Day & 45 Night	45.2	44.1
Sector-07 (Street No. - 17)	55 Day & 45 Night	42.0	43.6
Sector-08 (Street No. - 05)	55 Day & 45 Night	44.8	43.9
Sector-10 (Street No. - 25)	55 Day & 45 Night	40.2	44.5
Silence Area			
Sector-02 (English Medium Middle School)	50 Day & 40 Night	49.0	38.1
Sector-05 (Girls Higher Secondary School)	50 Day & 40 Night	44.2	37.6
Sector-07 (English Medium Middle School)	50 Day & 40 Night	48.4	38.5
Risali Sector (Aadarsh Hindi Medium Middle School)	50 Day & 40 Night	47.2	36.9
Maroda Sector (Estate Court)	50 Day & 40 Night	49.3	39.1

- **Noise Monitoring in township area done (Quarterly) in the month of March-21**

Bhilai Steel Plant Noise Pollution Status April 2021 to September 2021

1. Noise Monitoring in Work Zone						
Location	Date of Monitoring	Distance from the source	Name of control equipment provided	Noise Level Leq dB(A) 90 dB (A) for 8 hrs. exposure (As per Factory Act, 1948)	Duration of the monitoring (time)	Remarks
Oxygen plant-2 (Control Room)	31-May	5 m	Air tight control Room	67.9	2 Minute	
Blast Furnace-1(Control Room)	11-May	5 m	Acoustic Room	70.0	2 Minute	
Mills (Rolling / forgoing) Rail Mill	31-May	5 m	Acoustic pulpit	88.4	2 Minute	
TPP/CPP (Turbines-3 & 4) (Control Room)	25-May	5 m	Acoustic cabins	67.8	2 Minute	
SMS-1 (GCP-4) (Control Room)	Shutdown	5 m	Acoustic Control Room	Shutdown	2 Minute	
SP-2, (M/c-4) Operator's room	08-May	5 m	Acoustic Room	65.8	2 Minute	
Coke-oven area (Batt.-1) (Control Room)	01-May	5 m	Air Tight control Room	67.8	2 Minute	
Others						

* Noise level map of the plant may be attached along with the report.

Bhilai Steel Plant Noise Pollution Status April 2021 to September 2021

2. Ambient Noise Monitoring

Noise Zone	Noise Level		
	Standard	Day Time	Night time
Unit: dB (A)			
Industrial Area (at boundary of plant)			
Near OP-2	75	61.5	58.4
Near Joratarai Gate	75	63.5	60.3
Near Main Gate	75	63.4	59.9
Near Khursipar Gate	75	66.9	64.8
Commercial Area			
Sector-05 (Market area)	65 Day & 55 Night	55.9	52.0
Sector-06 (Near 'B' Market)	65 Day & 55 Night	63.3	54.2
Sector-09 (Goal Market)	65 Day & 55 Night	51.1	45.2
Maroda Sector (BSP Market)	65 Day & 55 Night	58.8	51.1
Risali Sector (BSP Market)	65 Day & 55 Night	64.1	53.9
Residential Area			
Sector-01 (Street No. - 23)	55 Day & 45 Night	47.5	44.3
Sector-05 (Street No. - 32)	55 Day & 45 Night	45.2	44.1
Sector-07 (Street No. - 17)	55 Day & 45 Night	42.0	43.6
Sector-08 (Street No. - 05)	55 Day & 45 Night	44.8	43.9
Sector-10 (Street No. - 25)	55 Day & 45 Night	40.2	44.5
Silence Area			
Sector-02 (English Medium Middle School)	50 Day & 40 Night	49.0	38.1
Sector-05 (Girls Higher Secondary School)	50 Day & 40 Night	44.2	37.6
Sector-07 (English Medium Middle School)	50 Day & 40 Night	48.4	38.5
Risali Sector (Aadarsh Hindi Medium Middle School)	50 Day & 40 Night	47.2	36.9
Maroda Sector (Estate Court)	50 Day & 40 Night	49.3	39.1

Noise Monitoring in township area done (Quarterly) in the month of March-21

Bhilai Steel Plant Noise Pollution Status April 2021 to September 2021

1. Noise Monitoring in Work Zone						
Location	Date of Monitoring	Distance from the source	Name of control equipment provided	Noise Level Leq dB(A) 90 dB (A) for 8 hrs. exposure (As per Factory Act, 1948)	Duration of the monitoring (time)	Remarks
Oxygen plant-2 (Control Room)	29-Jun	5 m	Air tight control Room	66.3	2 Minute	
Blast Furnace-7(Control Room)	05-Jun	5 m	Acoustic Room	68.9	2 Minute	
Mills (Rolling / forgoing) Rail Mill	11-Jun	5 m	Acoustic pulpit	89.4	2 Minute	
TPP/CPP (Turbines-3 & 4) (Control Room)	01-Jun	5 m	Acoustic cabins	64.6	2 Minute	
SMS-1 (GCP-4) (Control Room)	Shutdown	5 m	Acoustic Control Room	Shutdown	2 Minute	
SP-2, (M/c-3 & 4) Operator's room	22-Jun	5 m	Acoustic Room	68.6	2 Minute	
Coke-oven area (Batt.-8) (Control Room)	02-Jun	5 m	Air Tight control Room	67.9	2 Minute	
Others						

* Noise level map of the plant may be attached along with the report.

2. Ambient Noise Monitoring

Noise Zone	Noise Level		
	Standard	Day Time	Night time
Unit: dB (A)			
Industrial Area (at boundary of plant)			
Near OP-2	75	60.2	56.6
Near Joratarai Gate	75	62.0	59.3
Near Main Gate	75	61.4	56.7
Near Khursipar Gate	75	69.7	67.9
Commercial Area			
Sector-05 (Market area)	65 Day & 55 Night	59.5	54.9
Sector-06 (Near 'B' Market)	65 Day & 55 Night	59.6	52.4
Sector-09 (Goal Market)	65 Day & 55 Night	49.2	51.2
Maroda Sector (BSP Market)	65 Day & 55 Night	48.6	53.1
Risali Sector (BSP Market)	65 Day & 55 Night	54.5	52.6
Residential Area			
Sector-01 (Street No. - 23)	55 Day & 45 Night	50.6	43.5
Sector-05 (Street No. - 32)	55 Day & 45 Night	49.4	41.9
Sector-07 (Street No. - 17)	55 Day & 45 Night	52.1	44.2
Sector-08 (Street No. - 05)	55 Day & 45 Night	51.3	42.8
Sector-10 (Street No. - 25)	55 Day & 45 Night	46.0	43.4
Silence Area			
Sector-02 (English Medium Middle School)	50 Day & 40 Night	49.2	39.4
Sector-05 (Girls Higher Secondary School)	50 Day & 40 Night	48.0	38.7
Sector-07 (English Medium Middle School)	50 Day & 40 Night	49.0	39.1
Risali Sector (Aadarsh Hindi Medium Middle School)	50 Day & 40 Night	47.3	38.5
Maroda Sector (Estate Court)	50 Day & 40 Night	48.6	38.2

- **Noise Monitoring in township area done (Quarterly) in the month of June-21**

Noise Pollution Control Status

Month-July 2021

1. Noise Monitoring in Work Zone

Location	Date of Monitoring	Distance from the source	Name of control equipment provided	Noise Level Leq dB(A) 90 dB (A) for 8 hrs. exposure (As per Factory Act, 1948)	Duration of the monitoring (time)	Remarks
Oxygen plant-2 (Control Room)	31-Jul	5 m	Air tight control Room	64.9	2 Minute	
Blast Furnace-7(Control Room)	03-Jul	5 m	Acoustic Room	68.3	2 Minute	
Mills (Rolling / forgoing) Rail Mill	10-Jul	5 m	Acoustic pulpit	82.0	2 Minute	
TPP/CPP (Turbines-1 & 2) (Control Room)	01-Jul	5 m	Acoustic cabins	63.9	2 Minute	
SMS-1 (GCP-4) (Control Room)	Shutdown	-	Acoustic Control Room	Shutdown	-	
SP-2, (M/c-1 & 2) Operator's room	12-Jul	5 m	Acoustic Room	66.8	2 Minute	
Coke-oven area (Batt.-9) (Control Room)	06-Jul	5 m	Air Tight control Room	67.8	2 Minute	
Others						

* Noise level map of the plant may be attached along with the report.

2. Ambient Noise Monitoring

Noise Zone	Noise Level		
	Standard	Day Time	Night time
Unit: dB (A)			
Industrial Area (at boundary of plant)			
Near OP-2	75	55.6	53.4
Near Joratarai Gate	75	53.9	51.6
Near Main Gate	75	58.9	54.8
Near Khursipar Gate	75	70	67.3
Commercial Area			
Sector-05 (Market area)	65 Day & 55 Night	59.5	54.9
Sector-06 (Near 'B' Market)	65 Day & 55 Night	59.6	52.4
Sector-09 (Goal Market)	65 Day & 55 Night	49.2	51.2
Maroda Sector (BSP Market)	65 Day & 55 Night	48.6	53.1
Risali Sector (BSP Market)	65 Day & 55 Night	54.5	52.6
Residential Area			
Sector-01 (Street No. - 23)	55 Day & 45 Night	50.6	43.5
Sector-05 (Street No. - 32)	55 Day & 45 Night	49.4	41.9
Sector-07 (Street No. - 17)	55 Day & 45 Night	52.1	44.2
Sector-08 (Street No. - 05)	55 Day & 45 Night	51.3	42.8
Sector-10 (Street No. - 25)	55 Day & 45 Night	46.0	43.4
Silence Area			
Sector-02 (English Medium Middle School)	50 Day & 40 Night	49.2	39.4
Sector-05 (Girls Higher Secondary School)	50 Day & 40 Night	48.0	38.7
Sector-07 (English Medium Middle School)	50 Day & 40 Night	49.0	39.1
Risali Sector (Aadarsh Hindi Medium Middle School)	50 Day & 40 Night	47.3	38.5
Maroda Sector (Estate Court)	50 Day & 40 Night	49.6	38.2

- **Noise Monitoring in township area done (Quarterly) in the month of June-21**

Noise Pollution Control Status

Month-Aug. 2021

1. Noise Monitoring in Work Zone

Location	Date of Monitoring	Distance from the source	Name of control equipment provided	Noise Level Leq dB(A) 90 dB (A) for 8 hrs. exposure (As per Factory Act, 1948)	Duration of the monitoring (time)	Remarks
Oxygen plant-2 (Control Room)	24-Aug	5 m	Air tight control Room	67.1	2 Minute	
Blast Furnace-7(Control Room)	04-Aug	5 m	Acoustic Room	69.4	2 Minute	
Mills (Rolling / forgoing) Rail Mill	11-Aug	5 m	Acoustic pulpit	83.5	2 Minute	
TPP/CPP (Turbines-1 & 2) (Control Room)	07-Aug	5 m	Acoustic cabins	66.7	2 Minute	
SMS-1 (GCP-4) (Control Room)	Shutdown	-	Acoustic Control Room	Shutdown	-	
SP-2, (M/c-1 & 2) Operator's room	03-Aug	5 m	Acoustic Room	66.3	2 Minute	
Coke-oven area (Batt.-9) (Control Room)	02-Aug	5 m	Air Tight control Room	68.4	2 Minute	
Others						

* Noise level map of the plant may be attached along with the report.

2. Ambient Noise Monitoring

Noise Zone	Noise Level		
	Standard	Day Time	Night time
Unit: dB (A)			
Industrial Area (at boundary of plant)			
Near OP-2	75	55.6	53.4
Near Joratarai Gate	75	53.9	51.6
Near Main Gate	75	58.9	54.8
Near Khursipar Gate	75	70	67.3
Commercial Area			
Sector-05 (Market area)	65 Day & 55 Night	59.5	54.9
Sector-06 (Near 'B' Market)	65 Day & 55 Night	59.6	52.4
Sector-09 (Goal Market)	65 Day & 55 Night	49.2	51.2
Maroda Sector (BSP Market)	65 Day & 55 Night	48.6	53.1
Risali Sector (BSP Market)	65 Day & 55 Night	54.5	52.6
Residential Area			
Sector-01 (Street No. - 23)	55 Day & 45 Night	50.6	43.5
Sector-05 (Street No. - 32)	55 Day & 45 Night	49.4	41.9
Sector-07 (Street No. - 17)	55 Day & 45 Night	52.1	44.2
Sector-08 (Street No. - 05)	55 Day & 45 Night	51.3	42.8
Sector-10 (Street No. - 25)	55 Day & 45 Night	46.0	43.4
Silence Area			
Sector-02 (English Medium Middle School)	50 Day & 40 Night	49.2	39.4
Sector-05 (Girls Higher Secondary School)	50 Day & 40 Night	48.0	38.7
Sector-07 (English Medium Middle School)	50 Day & 40 Night	49.0	39.1
Risali Sector (Aadarsh Hindi Medium Middle School)	50 Day & 40 Night	47.3	38.5
Maroda Sector (Estate Court)	50 Day & 40 Night	49.6	38.2

- **Noise Monitoring in township area done (Quarterly) in the month of June-21**

Noise Pollution Control Status

Month-Sep. 2021

1. Noise Monitoring in Work Zone

Location	Date of Monitoring	Distance from the source	Name of control equipment provided	Noise Level Leq dB(A) 90 dB (A) for 8 hrs. exposure (As per Factory Act, 1948)	Duration of the monitoring (time)	Remarks
Oxygen plant-2 (Control Room)	27-Sep	5 m	Air tight control Room	66.8	2 Minute	
Blast Furnace-6(Control Room)	15-Sep	5 m	Acoustic Room	71.0	2 Minute	
Mills (Rolling / forgoing) Rail Mill	27-Sep	5 m	Acoustic pulpit	83.9	2 Minute	
TPP/CPP (Turbines-3) (Control Room)	29-Sep	5 m	Acoustic cabins	68.4	2 Minute	
SP-2, (M/c-3 & 4) Operator's room	09-Sep	5 m	Acoustic Room	68.9	2 Minute	
Coke-oven area (Batt.-3 & 4) (Control Room)	22-Sep	5 m	Air Tight control Room	69.4	2 Minute	
Others						

* Noise level map of the plant may be attached along with the report.

2. Ambient Noise Monitoring

Noise Zone	Noise Level		
	Standard	Day Time	Night time
Unit: dB (A)			
Industrial Area (at boundary of plant)			
Near OP-2	75	56.3	52.7
Near Joratarai Gate	75	57.1	54.8
Near Main Gate	75	55.7	53.9
Near Khursipar Gate	75	69.8	66.9
Commercial Area			
Sector-05 (Market area)	65 Day & 55 Night	54.5	48.6
Sector-06 (Near 'B' Market)	65 Day & 55 Night	60.0	46.6
Sector-09 (Goal Market)	65 Day & 55 Night	55.0	52.2
Maroda Sector (BSP Market)	65 Day & 55 Night	55.2	49.4
Risali Sector (BSP Market)	65 Day & 55 Night	61.4	53.4
Residential Area			
Sector-01 (Street No. - 23)	55 Day & 45 Night	46.6	44.2
Sector-05 (Street No. - 32)	55 Day & 45 Night	49.0	44.3
Sector-07 (Street No. - 17)	55 Day & 45 Night	49.6	41.9
Sector-08 (Street No. - 05)	55 Day & 45 Night	52.6	43.7
Sector-10 (Street No. - 25)	55 Day & 45 Night	49.6	44.4
Silence Area			
Sector-02 (English Medium Middle School)	50 Day & 40 Night	48.6	38.1
Sector-05 (Girls Higher Secondary School)	50 Day & 40 Night	48.0	39.2
Sector-07 (English Medium Middle School)	50 Day & 40 Night	47.7	38.9
Risali Sector (Aadarsh Hindi Medium Middle School)	50 Day & 40 Night	48.5	39.1
Maroda Sector (Estate Court)	50 Day & 40 Night	47.2	39.2

- **Noise Monitoring in township area done (Quarterly) in the month of Sep.-21**