ENVIRONMENTAL CLEARANCE COMPLIANCE STATUS REPORT

APRIL TO SEPT 2024

JSW STEEL LTD, DOLVI WORKS

Six Monthly Compliance, Status report

Expansion from 3.0 MTPA Steel Plant at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra by M/s JSW Steel Limited.

EC No J-11011/4/ 96 – IA–II, dated 31-12-1996

ENVIRONMENTAL MANAGEMENT DEPARTMENT

JSW STEEL LTD, DOLVI WORKS, TALUKA PEN, RAIGAD-DISTRICT, MAHARASHTRA 402107

Annexure I

COMPLIANCE OF ENVIRONMENTAL CLEARANCE

The status report on stipulated Environmental condition, point-wise explanations are as follows.

S. NO.	CONDITIONS	COMPLIANCE STATUS
i)	The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board and the State Government.	JSW Steel Ltd., Dolvi works has obtained Consent to operate from Maharashtra Pollution Control Board and following the guidelines given by Maharashtra Pollution Control Board (MPCB) Consent conditions and State Government time to time. Compliance condition noted & complied.
ii)	No expansion or modifications of the plant should carried out without prior approval of this Ministry	All the amendments and expansions till date, are carried out after obtaining prior approval of this Ministry. Noted & complied.
iii)	The Gaseous emissions from various process units should confirm 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 location. At no time the emission level should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit should be put out of operation immediately and should not be restarted until the control measures and rectified to achieve the desired efficiency.	Gaseous emissions from various process units has been measured & confirm to the load / mass based standards notified in the latest applicable emission standards of GSR277(E) dated 31st March 2012 and MPCB stipulated Norms in Consent. Copy of stack emission monitoring report is being enclosed as Annexure-1. Emissions from the process units are well within the prescribed standards as notified by the Ministry. Hence, Condition is complied.

S. NO.	CONDITIONS	COMPLIANCE STATUS
iv)	At least five ambient air quality monitoring stations should be provided in consultation with the State Pollution Control Board for measurement of SO2, NOx, Particulate Matter etc. Stack emissions should also be monitored regularly by setting up automatic stack monitoring facilities. Data on stack emissions also with the ambient air quality and work environment air quality should be submitted along with statistical analysis to the state pollution control board once in three months and to this Ministry once in six months.	• Five Continuous Ambient Air Quality Monitoring stations have been installed in consultation with MPCB. All these stations are connected to URL of MPCB,CPCB & data is being transmitted online on real time basis for PM2.5, PM10, SO2, NOx & CO. • Continuous Stack Emission Monitoring systems are installed at all process stacks & connected to URL of MPCB & CPCB & data is being transmitted online on real time basis. • Data on Stack Emission, Ambient Air Quality and work environment air quality are regularly monitored and submitted as per guidelines to; a) MPCB - Once in three months, MOEF&CC, Nagpur & Delhi – Once in Six month (Annexure-1) enclosed. b) CPCB, New Delhi – Monthly basis (Annexure-1) enclosed. Hence, Condition is complied.
v	In plant control measures for checking fugitive emissions, spillage of chemicals / raw materials etc. should be provided and properly maintained specially in the critical areas like blast furnace, sintering plant etc.	Following measures are implemented for control of fugitive emissions- • Raw Material handling area with yard sprinklers, dry fog system, Dust extraction systems to control the fugitive emissions. Covered sheds for Raw Material storage provided. • Covered shed for Jetty yard-A with a capacity of 110,000MT for Coal Storage. • Covered shed for Jetty Yard-B with a total capacity of 305,000 MT for Iron Ore and Flux. • Covered Sheds (2 Nos) for Pellet and Coke Storage of Capacity-1,20,000 MT each. • Covered shed for storing Iron Ore Bearing

S. NO.	CONDITIONS	COMPLIANCE STATUS
		Material and Flux of Capacity 4,27,000 MT. • Investment on Yard sprinklers, De-dusting system and Dry fogging system to the amount of Rs 77.29 Crores • Bag filter, ESPs with adequate capacity to keep the emission levels below 30 mg/Nm^3 in all plants (Steel Melting Shop II, Hot Strip Mill II, Blast Furnace II and Lime Calcination Plants 5,6,7) • Energy efficient technologies in the Plant like waste heat recovery system, Top gas recovery turbine from Blast furnace and Gas Based power plant. • All internal roads made of concrete. • Road Sweeping machines (06 nos) and water sprinkler tankers (02 nos), tyre washing facilities provided. • Transferring dust of De-dusting system and other secondary dusts generated from Pollution Control equipment by bulkers. • Transferring raw material from Jetty to plant 100 % through belt and pipe conveyors thereby eliminating any chances of fugitive emission through transportation of material from outside plant to the raw material yard there by improving the Ambient Air Quality. Hence, condition is complied.
vi	Adequate effluent treatment facilities should be provided so that the treated effluent conforms to the prescribed standards.	Adequate effluent treatment facilities have been provided at all units and the treated water is recycled back in the process. • In Blast Furnace 1, Waste Water treatment plant of capacity 2496 CMD, provided with Flash Mixer, Common, Collection Tank, Thickener, Sludge Storage Tank, Vacuum

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		Drum Filters • Steel Melting Shop (SMS) 1 and Hot Strip Mill (HSM) 1, the Waste Water treatment plant of Capacity 3408 CMD provided with Scale Pits, Pressure Sand Filters, Flash Mixer, Thickener, Sludge Holding Tank, Filter Press the water system are closed loop system. • In Sponge Iron Plant, Waste Water treatment facility has been provided with Capacity 3624 CMD. Waste water is treated in Classifier, Clarifier, High rate thickener and routed through Sludge pond wherein the sludge is separated and water is reused for Electric Arc Furnace (EAF) slag cooling at SMS1. • All the cooling tower blowdown is being treated in the ETP of capacity 250 M3/hr with RO system and the treated water is reused in process and slag cooling purpose. There is no waste water discharge outside the plant premises.
vii	Adequate number of influent and effluent quality monitoring stations should be set up in consultation with the state Pollution Control Board. Regular monitoring should be carried out for the relevant parameters. Routine toxicology test of effluent with fish and fish food organisms should also be regularly done at least once in a month. Monitored data along with statistical analysis and interpretation in the form of report should be submitted to this Ministry once in six months and to the state pollution Control Board once in three months.	• There is no discharge of waste water from the plant to outside, however, water & wastewater sampling points have been set up in consultation with MPCB. • Regular monitoring is being carried out • All monitoring reports are submitted as per guidelines to; a) MPCB - Once in three months, MOEF&CC, Nagpur & Delhi – Once in Six month b) CPCB, New Delhi – Monthly basis Hence, condition is complied.
viii	There will be no discharge of treated effluents outside the plant premises. The treated effluent should be recycled and reused as process water.	Effluent treatment facility is provided in all plants and the treated water is recycled in the process and reused for EAF slag cooling and dust

S. NO.	CONDITIONS	COMPLIANCE STATUS
	Treated domestic waste should be used for development of green belt.	suppression. Treated domestic wastewater from the Sewage Treatment Plant is used for plantation purpose. There is no waste water discharge from the plant. Hence, condition is complied.
ix	Fresh water should not utilized as cooling water. The cooling water drawn from the creek should be discharged into the creek at an outfall point recommended by NIO. Feasibility of recycling the cooling water should also be evaluated and the report should be submitted to the Ministry within three month.	Entire requirement of cooling water is not met from fresh water, water lost by evaporation and drift loss is sourced from fresh water as make-up water. Cooling tower blow down/wastewater is re-circulated in cooling system/ process after treatment in close loop treatment facility. Colling water is not drawn from creek and there is no discharge to creek. Cooling water is sourced from Amba River as per Agreement with Irrigation Department. Hence, condition is complied.
x	No Coke oven plant should be set up without the approval of this Ministry.	Coke Oven plant has been set up after obtaining separate EC from MoEF&CC vide letter No J-11011/286/2007-IA-II(I) dated 12/01/2009. Hence, condition is complied.
xi	Guard pond of sufficient holding capacity should be provided to cope up with the effluents discharged due to process disturbances. The contributing units shall be immediately shutdown and will not be restarted without bringing the system back to normalcy. Details of design and capacity of the guard pond should be submitted to the Ministry within a period of 6 months.	Wastewater treatment system is installed at various units with collection and equalization tank considering exigencies and the treated waste water is recycled / reused. Details of ETP and tanks is submitted with six monthly compliances. Hence, condition is complied.
xii	A perspective plan for 100 % utilization of slag should be prepared and submitted to this Ministry within six months for approval. The project authorities in their own interest should have a long term to tie-up with the user industry like cement.	Granulated slag of Blast Furnace entirely is used in Cement Plant for making Cement in JSW Group Company (JSW Cement Ltd) located within the Plant Premises.

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		Hence, condition is complied.
xiii	Raw materials should be brought to the plant site by sea / rail to the extent possible. Finished products should also be transported through road should kept to the bare minimum to avoid any traffic congestion in the area and cities.	All the raw materials are being brought to the plant site by sea route through our Jetty of JSW Dharamtar Port Pvt. Ltd. Followed by rail to the production facility. Finished products (HR Coils) are transported through rail / sea and minimum by road. Very less internal transportation for materials like lime etc. is being transported through closed bulker and truck. Hence, condition is complied.
xiv	A green belt of adequate width and density should be provided in all around the plant in consultation with the State Forest Department, specially selecting local species. About 2500 plants per HA of the land should be provided. 30 % of the total land area should be developed as green belt.	Green Belt within Plant: Presently, 13% green belt is developed over 80 ha land within the plant premises with 2,17,457 nos of trees. Balance 18.42 Ha (3%) green belt area is to being developed with 46,200 nos of trees. Green belt developed with tree density 2500 trees/hectare and local species. Green Belt Outside Plant in 10 Km area: Green belt outside the plant premises has been developed over 203.00 Ha i.e. 33 % as per EC. Green belt outside the plant premises is developed in forest land in proximity of the plant area in consultation with local forest department over 51 Ha land and Mangrove Plantation over 152.00 Ha. Hence, condition is complied.
xv	Approval from the State Government should be obtained for quarrying the adjacent hillocks to obtain fill materials for leveling the proposed site to 3 – 3.5 m above MSL. The creek / river should not be dredged to be obtained fill material for	The creek or the river has not been dredged for leveling the site. All requisite steps were taken to ensure that the run off material do not flow into the river/creek

S. NO.	CONDITIONS	COMPLIANCE STATUS
	leveling the site. The project proponent should also take adequate care to ensure that run off material does not flow into the river / creek during the site leveling.	during site leveling. Material is stored in covered sheds to control the runoff of materials into drains and concrete roads are provided within the plant premises along with storm water drains. Hence, condition is complied.
xvi	Approval under CRZ notification should be obtained for the extension of the existing jetty. The proposed storages facilities should beyond 150 m from HTL of creek / river.	Jetty is operated by separate entity in the Name of JSW Infrastructure Ltd, all approvals including EC, CRZ clearance are obtained by JSW Infrastructure Ltd. Hence, condition is complied.
xvii	The project authorities should set up laboratory facilities for collection and analysis of samples under supervision of the competent technical personnel. Who will directly report to the Chief Executive.	Environmental Laboratory is in place for collection and analysis of samples under the supervision of competent technical personnel with reporting to Senior position. Hence, condition is complied.
xviii	A environment Management cell should be established with suitably qualified people to carry out various functions under the control of the Senior Executive who will report directly to Head of the Organization.	Separate Environment Cell is in place having qualified Environment personnel. The Environment Cell team size is around 25 nos. The Team reports to Site Environment head and Site Environment head reports to Site Head and Corporate Environment Head, who reports to Chief Operations Officers- COO. Hence, condition is complied.
xix	Medical surveillance of workers especially wrt the pneumoconiosis etc. should be done regularly and records maintained.	As per the Factories Act, regular health checkups done for workers and employees & records are maintained on regular basis. Hence, condition is complied.

S. NO.	CONDITIONS	COMPLIANCE STATUS
xx	The funds earmarked for the Environmental protection measures should not be diverted for other purpose its break up and year wise expenditure should be reported to this Ministry.	Environmental expenditure for the year 2023-24 for operation and maintenance cost, Power cost, Treatment Cost for Pollution Control systems and Solid Waste Management are Rs 517 Crores. Expenditure of environment expanses are reported to Ministry and MPCB. Hence, condition is complied.
3	This Ministry or any competent authority may stipulate any further conditions or alternations in the existing conditions after review of the compliance report and other reports submitted by the project proponent from time to time.	Agreed and complied for the conditions of MoEF&CC. Hence, condition is complied.
4	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	All the required conditions are implemented. Hence, condition is complied.
5	The above conditions will be enforced, inter-alia under the provisions of the water (Prevention& Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	The plant is complying for: • The Water (Prevention and Control of Pollution) Act 1974 • The Air (Prevention and Control of Pollution) Act 1981 • The Environment (Protection) Act 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2008 • The Public (Insurance) Liability Act 1991 along with their amendments and Rules. Hence, condition is complied.

Annexure 1

Six Monthly Environment Monitoring Report from April to September 2024 for plants under Phase 1 at JSW Steel ltd., Dolvi

JSW Steel Limited

Dolvi Works:
Geetapuram,
Dolvi, Taluka - Pen,
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BY COURIER

November 28, 2024

JSWSL/ENV/MOEF&CC/2024

To

Regional Officer,
Ministry of Environment, Forests & Climate Change
Regional Office, (West Central Zone)
Ground Floor, East Wing,
New Secretarial Building, Civil Line,
Nagpur – 440001.

Sub: Submission of Six Monthly Environmental Monitoring Reports for Integrated Steel Plant for the Period of April 2024 to September 2024.

Ref: i) EC from MoEF vide F No J-11011 / 4 / 96 – IA – II dated 31st December 1996.
ii) EC from MoEF, vide F No J-11011/166/2011-IA-II (I) dated 21st November 2012.
iii) EC from MoEF, vide F No J-11011/176/2013-IA-II (I) dated 25th August 2015.

Dear Sir,

Please find enclosed the six monthly Environmental Monitoring Reports for the period of April 2024 to September 2024 for Integrated Steel Plant. Report contains the analysis of Cooling Tower Blow Down, Treated & Untreated Effluent from Sponge Iron Plant, Stack Emissions and Work Zone Air Quality from Sponge Iron Plant, Hot Strip Mill Plant, Blast Furnace Plant, Lime Calcining Plant, Captive Power Plant, Sinter Plant-I, Sinter Plant-II, Billet Caster and Bar Mill and Ambient Air Quality for the Integrated Steel Plant.

This is for your information and record please.

Thanking You,

Yours Faithfully,
For JSW Steel Limited,

Satish Kumar Choudhary
General Manager(Environment)

CC: 1) The Director, MoEF&CC, Indira Paryavaran Bhawan, Jor Bagh, Lodi Road, New Delhi-110003 for kind information.
2) The Zonal officer, CPCB, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara-390 023, Gujarat.
3) The Regional Officer, MPCB, Raigad, Raigad Bhavan, CBD Belapur, Navi Mumbai

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JSW STEEL LIMITED

GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107

SPONGE IRON PLANT

COOLING TOWER BLOWDOWN WATER ANALYSIS REPORT

Sr.	PARAMETERS	UNIT	VALUES					
No.			Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24
1	Chromium	mg/l	0.0015	0.0016	0.0014	0.0016	0.0015	0.0016
2	Zinc	mg/l	0.092	0.093	0.091	0.092	0.090	0.092
3	Phosphate	mg/l	0.93	0.92	0.93	0.91	0.92	0.91
4	Free Chlorine	mg/l	Nil	Nil	Nil	Nil	Nil	Nil

Prepared By
P. P. Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager(Environment)

JSW STEEL LIMITED

GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107

SPONGE IRON PLANT

SIX MONTHLY TREATED EFFLUENT ANALYSIS REPORT

SR. NO.	PARAMETERS	UNIT	VALUES					
			Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24
1	Temperature	°C	27.2	27.2	27.1	27	27.3	27.2
2	pH	-	7.3	7.2	7.3	7.2	7.3	7.2
3	D.O.	mg/l	5.4	5.4	5.3	5.4	5.5	5.5
4	T.S.S.	mg/l	21.2	19.3	20.0	18.4	19.2	18.6
5	T.D.S.	mg/l	356.4	354.8	321.0	329.0	314	339
6	C.O.D.	mg/l	23.4	26.5	21.3	27.5	23.9	25.5
7	B.O.D.	mg/l	6.8	7.0	6.3	7.2	6.9	7.0
8	Oil & Grease	mg/l	3.5	3.4	3.2	3.4	3.3	3.5
9	Iron	mg/l	0.40	0.30	0.35	0.4	0.40	0.40
10	Chlorides	mg/l	48.0	50.00	34.98	50.0	57.50	52.00
11	Sulphates	mg/l	2.3	2.3	2.25	3.3	2.3	2.3
12	Bioassay Test on 100 % Effluent for 96 Hours.	Survival Rate	100%	100%	100%	100%	100%	100%
13	Receiving Water Body Temperature	^{0}C	27.2	27.2	27.2	27.2	27.2	27.2

Prepared By
P. P. Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

JSW STEEL LIMITED

GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107

SPONGE IRON PLANT

SIX MONTHLY UNTREATED EFFLUENT ANALYSIS REPORT

SR. NO.	PARAMETERS	UNIT	VALUES					
			Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24
1	Temperature	°C	56.4	56.2	56.2	56.1	56.2	56.1
2	pH	-	8.3	8.2	8.3	8.1	8.2	8.1
3	D.O.	mg/l	2.1	2.2	2.0	2.2	2.2	2.2
4	T.S.S.	mg/l	621.6	616.1	632.0	623.2	612.8	615.8
5	T.D.S.	mg/l	449.2	445.0	412.0	422.2	395.3	470.4
6	C.O.D.	mg/l	46.7	50.4	53.3	48.8	50.4	46.7
7	B.O.D.	mg/l	7.7	7.9	7.8	7.6	7.6	7.9
8	Oil & Grease	mg/l	4.5	4.3	4.0	4.6	4.8	4.7
9	Iron	mg/l	1.4	1.3	1.31	1.34	1.353	1.31
10	Chlorides	mg/l	157.0	142.5	145.00	110	140	140.00
11	Sulphates	mg/l	3.3	3.3	3.30	3.3	3.3	3.20

Prepared By
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Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
I	**Hot Strip Mill Plant**					**Plant Capacity: 3.0 MTPA**						
1	GCP - I Stack	SMS Furnace	70.5	5.5	Bag Filters	10/04/24 11:15 Hrs	8477.0	16.46	8	13.0	16.0	19.0
						01/05/24 10:00 Hrs	9674.0	16.38	8	15.0	23.6	16.0
						16/06/24 13:30 Hrs	9594.0	16.46	21	18.0	4.8	15.0
						02/07/24 15:15 Hrs	5701.0	16.65	6	16.0	21.4	17.0
						02/08/24 11:00 Hrs	9269.0	16.70	6	14.0	17.0	29
						01/09/24 10:30 Hrs	9914.0	16.92	17	15.0	20.5	25.55
2	GCP - II Stack	SMS Furnace	70.5	5.5	Bag Filters	12/04/24 11:20 Hrs	14531.0	15.31	6	10.0	14.0	15.9
						01/05/24 14:15 Hrs	9674.0	18.16	5	17.0	29.9	19.0
						16/06/24 12:35 Hrs	9594.0	16.93	12	10.0	3.5	21.4
						02/07/24 15:15 Hrs	5701.0	18.83	11	16.0	20.0	25.0
						02/08/24 13:30 Hrs	9269.0	18.09	10	15.0	19.0	23.0
						01/09/24 12:30 Hrs	9914.0	17	11	18.0	15.7	21
3	GCP - III Stack	SMS Furnace	66.5	3.3	Bag Filters	14/04/24 16:30 Hrs	14286.0	8.74	6	NA	NA	NA
						01/05/24 16:30 Hrs	9674.0	8.81	6	NA	NA	NA
						16/06/24 09:45 Hrs	9594.0	9.15	6	NA	NA	NA
						03/07/24 16:30 Hrs	7783.0	9	6	NA	NA	NA
						02/08/24 15:25 Hrs	9269.0	10	7	NA	NA	NA
						09/09/24 10:25 Hrs	9275.0	9	19	NA	NA	NA
4	Tunnel Furnace - I - A Stack	Tunnel Furnace	50	1.5	Blower	10/04/24 14:25 Hrs	8477	13	15	NA	NA	NA
						07/05/24 16:00 Hrs	8735	10	16	NA	NA	NA
						09/06/24 10:15 Hrs	8723	10	15	NA	NA	NA
						08/07/24 16:00 Hrs	9273.0	11.50	13	NA	NA	NA
						02/08/24 16:35 Hrs	9269.0	12.00	13	NA	NA	NA
						09/09/24 12:35 Hrs	9275.0	10.20	15	NA	NA	NA

*NA-Not Applicable

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JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
5	Tunnel Furnace - I - B Stack	Tunnel Furnace	50	1.5	Blower	20/04/24 10:00 Hrs	14193	8	10	12.0	14.0	11
						02/05/24 10:15 Hrs	10209	8	11	14.0	16.0	12
						08/06/24 14:00 Hrs	7337	8	9	25.0	14.0	22
						04/07/24 12:15 Hrs	9412.0	6.50	7	19.0	16.00	21.0
						03/08/24 15:45 Hrs	10247.0	7.80	7	17.0	16.00	19
						02/09/24 09:50 Hrs	8707.0	7.80	19	18.0	17.00	15
6	Tunnel Furnace - II - A Stack	Tunnel Furnace	50	1.5	Blower	20/04/24 14:00 Hrs	14193.0	7.80	2	13.0	19.0	13.0
						02/05/24 14:15 Hrs	10209.0	7.90	1	16.0	15.0	2.0
						16/06/24 14:35 Hrs	9594.0	7.90	2	18.0	27.0	24.0
						04/07/24 14:30 Hrs	9412.0	7	2	17.0	22.0	4.80
						12/08/24 17:00 Hrs	10490.0	8	8	10.1	14.3	5.72
						01/09/24 14:30 Hrs	9914.0	8	16	19.0	15.0	24.00
7	Tunnel Furnace - II - B Stack	Tunnel Furnace	50	1.5	Blower	20/04/24 15:00 Hrs	14193	7	4	12.0	16.0	14
						02/05/24 15:30 Hrs	10209	7	4	17.5	14.7	4
						16/06/24 10:45 Hrs	9594	6	3	15.0	26.0	14
						04/07/24 16:45 Hrs	9412.0	7	4	16.0	18.0	15.00
						12/08/24 15:00 Hrs	10490.0	7	4	14.0	9.3	23.00
						02/09/24 16:30 Hrs	8707.0	7	14	24.0	22.0	12.00
8	18 TPH Boiler Stack	Boiler	65	1.8	Blower	Shut Down 31/04/2022						
9	De-Dusting System Stack	Lime & Coke Handling System	30	1.9	Bag Filters	Stack dismentled In April - 15/4/2023						
							CPCB Norms		<100	NA	50.00	NA

*NA-Not Applicable

Preapared By
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JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
II	**Lime Calcination Plant**						**Plant Capacity: 0.44 MTPA**					
1	Lime Stone De-dusting system stack for Kiln I & II	Lime Stone Hopper	41.5	0.825	Bag Filters	19/04/24 10:20 Hrs	613	4	12	NA	NA	NA
						06/05/24 12:05 Hrs	590	5	10	NA	NA	NA
						12/06/24 16:40 Hrs	625	5	12	NA	NA	NA
						19/07/24 10:10 Hrs	614	4	10	NA	NA	NA
						04/08/24 14:23 Hrs	594	4	10	NA	NA	NA
						15/09/24 10:33 Hrs	640	4	14	NA	NA	NA
2	Kiln - I Stack	Kiln - I	48.7	0.914	Bag Filters	04/04/24 14:15 Hrs	284	15	21	15.0	11.0	18
						06/05/24 10:25 Hrs	287	13	22	12.0	18.0	12
						12/06/24 10:00 Hrs	300	14	12	13.0	18.0	21
						08/07/24 10:00 Hrs	280	15	16	14.0	18.0	16.00
						10/08/24 10:00 Hrs	274	16	18	13.0	14.0	16.00
						08/09/24 10:00 Hrs	290	14	26	16.0	14.0	19.00
3	Kiln - II Stack	Kiln - II	48.7	0.914	Bag Filters	04/04/24 10:45 Hrs	350	15	24	12.0	15.00	17
						06/05/24 14:30 Hrs	313	15	20	14.0	13.00	16
						12/06/24 12:22 Hrs	325	16	6	14.0	19.00	15
						08/07/24 11:45 Hrs	340.0	17	7	15.0	17.00	18.00
						10/08/24 12:30 Hrs	325.0	18	8	14.0	16.00	13.00
						08/09/24 12:30 Hrs	340.0	16	18	12.0	15.00	16.00
4	Lime De-dusting system Stack for Kiln I & II	Lime Storage Hopper	25.5	0.825	Bag Filters	19/04/24 12:00 Hrs	613	5	14	NA	NA	NA
						06/05/24 16:20 Hrs	590	6	15	NA	NA	NA
						12/06/24 15:40 Hrs	625	6	13	NA	NA	NA
						08/07/24 14:15 Hrs	620.0	5	5	NA	NA	NA
						15/08/24 10:30 Hrs	614.0	7	7	NA	NA	NA
						13/09/24 10:05 Hrs	640.0	4	17	NA	NA	NA

*NA-Not Applicable

Preapared By
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JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
5	Lime Stone De-dusting system stack for Kiln III	Lime Stone Hopper	35	1.4	Bag Filters	19/04/24 14:10 Hrs	585	4	13	NA	NA	NA
						15/05/24 11:10 Hrs	338	4	15	NA	NA	NA
						13/06/24 15:25 Hrs	580	5	16	NA	NA	NA
						19/07/24 12:00 Hrs	557	4	9	NA	NA	NA
						04/08/24 15:33 Hrs	580	6	10	NA	NA	NA
						15/09/24 12:22 Hrs	564	5	15	NA	NA	NA
6	Kiln - III Stack	Kiln - III	60	1.3	Bag Filters	07/04/24 12:15 Hrs	585	13	22	16.0	17.00	15
						04/05/24 10:00 Hrs	390	11	11	12.0	14.00	17
						13/06/24 10:40 Hrs	580	15	19	14.0	16.00	21
						09/07/24 10:00 Hrs	583	9	21	14.0	20.86	16.25
						10/08/24 14:00 Hrs	556	7	27	18.0	16.01	15
						08/09/24 14:45 Hrs	532	8	19	17.0	13.49	14
7	Quick Lime & Lime De-dusting system Stack for Kiln III	Lime Storage Hopper	31	0.960	Bag Filters	19/04/24 16:23 Hrs	585	6	16	NA	NA	NA
						15/05/24 14:33 Hrs	338	6	15	NA	NA	NA
						Plant shut down						
						24/07/24 10:25 Hrs	580	6.5	14	NA	NA	NA
						15/08/24 14:25 Hrs	589	5.6	11	NA	NA	NA
						13/09/24 15:22 Hrs	620	4	15	NA	NA	NA
8	Kiln - IV Stack	Kiln - IV	58	1.3	Bag Filters	04/04/24 16:45 Hrs	590	13	8	14.00	16.00	22
						15/05/24 09:00 Hrs	375	14	24	16.00	14.00	21
						Plant shut down						
						19/07/24 15:20 Hrs	588	5	13	NA	NA	NA
						04/08/24 16:50 Hrs	610	5	13	NA	NA	NA
						15/09/24 14:35 Hrs	600	5	11	NA	NA	NA

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JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
9	Lime Stone De-dusting system stack for Kiln IV	Lime Stone Dedusting System	35	1.4	Bag Filters	04/04/24 16:45 Hrs	590	13	8	14.00	16.00	22
						15/05/24 09:00 Hrs	375	14	24	16.00	14.00	21
						Plant shut down						
						24/07/24 12:16 Hrs	580	14.5	22	14.0	24.0	22.0
						10/08/24 17:45 Hrs	589	17.4	8	15.0	19.0	27.0
						08/09/24 16:00 Hrs	620	16	12	12.0	16.0	18
10	Lime De-dusting system Stack for Kiln IV	Lime Dedusting System	31	0.960	Bag Filters	03/04/24 12:15 Hrs	590	6.0	17	NA	NA	NA
						16/05/24 09:28 Hrs	590	5.4	15	NA	NA	NA
						13/06/24 12:15 Hrs	580	4.8	13	NA	NA	NA
						09/07/24 12:35 Hrs	583	6	16	NA	NA	NA
						15/08/24 12:10 Hrs	532	7	14	NA	NA	NA
						13/09/24 12:25 Hrs	586	5	16	NA	NA	NA
							CPCB Norms		<100	NA	100	NA
III	**Sponge Iron Plant**						**Plant Capacity: 2.0 MTPA**					
1	Flue Gas Ejector Stack	Reformer	40	2.851	I.D Fan	02/04/24 17:15 Hrs	3771	42	5	12.0	7.6	16
						04/05/24 13:45 Hrs	3978	40	6	24.3	20.8	17
						26/06/24 16:45 Hrs	3496	40	9	17.0	21.0	26
						14/07/24 09:45 Hrs	3865.0	38	1	16.0	14.0	24
						07/08/24 16:00 Hrs	4095.0	40	9	22.0	24.0	28
						23/09/24 16:45 Hrs	4082.0	40	15	18.0	19.0	21.4

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A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
2	Furnace Dust Collector Stack	Furnace	30	0.9	Cyclone & Venturi Scrubber	02/04/24 10:30 Hrs	3771	8	26	NA	NA	NA
						04/05/24 11:00 Hrs	3978	6	18	NA	NA	NA
						26/06/24 14:25 Hrs	3496	7	21	NA	NA	NA
						14/07/24 15:15 Hrs	3865.0	7	19	NA	NA	NA
						07/08/24 10:30 Hrs	4095.0	7	22	NA	NA	NA
						23/09/24 10:25 Hrs	4082.0	7	26	NA	NA	NA
3	Screen Dust Collector Stack C304	Prodct screen Area	30	0.9	Venturi Scrubber	22/04/24 14:35Hrs	3864	6	21	NA	NA	NA
						08/05/24 12:05 Hrs	3796	6	23	NA	NA	NA
						28/06/24 14:45 Hrs	3488	6	26	NA	NA	NA
						14/07/24 16:45 Hrs	3865.0	7	16	NA	NA	NA
						07/08/24 14:25 Hrs	4095.0	6	18	NA	NA	NA
						23/09/24 12:35 Hrs	4082.0	7	20	NA	NA	NA
4	Screen Dust Collector Stack I	Product Screen Area	30	0.9	Cyclone & Venturi Scrubber	02/04/24 12:00 Hrs	3771	5	28	NA	NA	NA
						07/05/24 10:35 Hrs	3980	7	28	NA	NA	NA
						28/06/24 12:35 Hrs	3488	7	32	NA	NA	NA
						14/07/24 12:30 Hrs	3865.0	8	24	NA	NA	NA
						07/08/24 12:15 Hrs	4095.0	7	21	NA	NA	NA
						26/09/24 15:00Hrs	4098.0	7	33	NA	NA	NA
5	Screen Dust Collector Stack II	Product Screen Area	30	0.9	Cyclone & Venturi Scrubber	27/04/24 07:00 Hrs	3779	5	25	NA	NA	NA
						07/05/24 16:45 Hrs	3980	5	32	NA	NA	NA
						28/06/24 10:15 Hrs	3488	4	29	NA	NA	NA
						13/07/24 09:30 Hrs	3917	6	26	NA	NA	NA
						22/08/24 09:45 Hrs	1587	5	19	NA	NA	NA
						25/09/24 09:00 Hrs	4060	4	22	NA	NA	NA

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JSW STEEL LIMITED

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A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
IV	**Blast Furnace Plant**						**Plant Capacity: 3.5 MTPA**					
6	Product Silo Dust Collector Stack	Product Silo	30	0.9	Venturi Scrubber	02/04/24 15:00 Hrs	3771	6	13	NA	NA	NA
						08/05/24 10:15 Hrs	3796	6	18	NA	NA	NA
						28/06/24 16:25 Hrs	3488	4	15	NA	NA	NA
						13/07/24 16:30 Hrs	3917	5	15	NA	NA	NA
						22/08/24 11:45 Hrs	1587	6	23	NA	NA	NA
						23/09/24 15:15 Hrs	4082	5	19	NA	NA	NA
							CPCB Norms		< 50		NA	NA
1	Cast House Dedusting system	Stock House	45	2.5	Bag Filters	06/04/24 10:00 Hrs	5408	8	20	NA	NA	NA
						13/05/24 11:25 Hrs	5159	10	14	NA	NA	NA
						15/06/24 10:30 Hrs	9445	11	22	NA	NA	NA
						10/07/24 10:15 Hrs	10157.0	10	7	NA	NA	NA
						19/08/24 15:15 Hrs	10283.0	12	12	NA	NA	NA
						11/09/24 10:15 Hrs	10175.0	8	24	NA	NA	NA
2	Stock House- 1	Stock House	45	2.5	Bag Filters	16/04/24 10:30 Hrs	6025	17	28	NA	NA	NA
						14/05/24 10:00 Hrs	5204	14	19	NA	NA	NA
						07/06/24 10:30 Hrs	449	14	19	NA	NA	NA
						17/07/24 12:00 Hrs	10066	11	15	NA	NA	NA
						19/08/24 10:15 Hrs	10283	8	16	NA	NA	NA
						19/09/24 10:15 Hrs	102298	8	36	NA	NA	NA

'*NA-Not Applicable

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
3	Stock House- 2	Stock House	45	2.5	Heat Exchanger	16/04/24 15:25 Hrs	6025	8	25	NA	NA	NA
						14/05/24 17:05 Hrs	5204	8	21	NA	NA	NA
						07/06/24 15:40 Hrs	449	8	17	NA	NA	NA
						17/07/24 10:00 Hrs	10066.0	7	10	NA	NA	NA
						19/08/24 12:45 Hrs	10283.0	7	8	NA	NA	NA
						19/09/24 14:30 Hrs	10229.0	7	32	NA	NA	NA
4	Stock House- 3	Stock House	45	2.5	Bag Filters	06/04/24 12:00 Hrs	5408	12	6	16.0	21.0	19
						01/05/24 12:30 Hrs	6226	10	5	22.0	27.0	24
						15/06/24 16:23 Hrs	9445	12	6	18.0	26.0	32
						17/07/24 10:20 Hrs	10066.0	8	17	NA	NA	NA
						19/08/24 16:55 Hrs	10283.0	8	13	NA	NA	NA
						19/09/24 16:10 Hrs	10229.0	8	27	NA	NA	NA
5	Stove stack	Stove Unit	75	5	Heat Exchanger	06/04/24 12:00 Hrs	5408	12	6	16.0	21.0	19
						01/05/24 12:30 Hrs	6226	10	5	22.0	27.0	24
						15/06/24 16:23 Hrs	9445	12	6	18.0	26.0	32
						10/07/24 10:15 Hrs	10157.0	11	6	18.0	26.0	32.00
						11/08/24 17:00 Hrs	9829.0	13	14	23.0	26.0	39.00
						11/09/24 17:00 Hrs	10175.0	11	11	18.0	27.1	25.00
6	16 TPH Boiler Stack	16 TPH Boiler	59.5	1.2	Blower	10/04/24 09:05 Hrs	202	8	18	16.0	15.0	10
						13/05/24 15:30 Hrs	124	9	12	17.0	13.0	10
						15/06/24 12:00 Hrs	129	9	16	14.0	23.0	18
						03/07/24 16:15 Hrs	58.0	7	4	13.0	10.0	15.00
						12/08/24 10:25 Hrs	151.0	7	17	24.0	17.0	23.00
						07/09/24 14:20 Hrs	13.0	7	15	24.0	17.0	23.00

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JSW STEEL LIMITED

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A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
7	Coal Injection Plant	Coal Injection Unit	60.5	1.7	Bag Filters	16/04/24 17:05 Hrs	6025	8	34	NA	NA	NA
						01/05/24 15:30 Hrs	6226	8	29	NA	NA	NA
						15/06/24 14:50 Hrs	9445	8	29	NA	NA	NA
						09/07/24 16:25 Hrs	10182.0	8	17	NA	NA	NA
						12/08/24 12:15 Hrs	9753.0	8	14	NA	NA	NA
						25/09/24 17:05 Hrs	10131.0	7	29	NA	NA	NA
V	**Sinter Plant -I**						**Plant Capacity: 2.8 MTPA**					
1	Fuel Bag Filter Stack	Fuel Raw Material Crushing House	40	1.804	Bag Filters	18/04/24 16:00 Hrs	7466	6.20	24	NA	NA	NA
						03/05/24 14:05 Hrs	7246	6.80	17	NA	NA	NA
						11/06/24 10:20 Hrs	6573	7.20	17	NA	NA	NA
						05/07/24 10:35 Hrs	7596.0	5.20	15	NA	NA	NA
						14/08/24 10:25 Hrs	7352.0	6.80	13	NA	NA	NA
						17/09/24 10:45 Hrs	7440.0	7.20	21	NA	NA	NA
2	Flux ESP Stack	Raw Material Crushing & Screening House	50	2.404	Electrostatic Precipitators	18/04/24 09:20 Hrs	7466	6.80	25	NA	NA	NA
						03/05/24 15:25 Hrs	7246	7.50	24	NA	NA	NA
						11/06/24 12:05 Hrs	6573	5.90	24	NA	NA	NA
						05/07/24 12:05 Hrs	7596.0	6.80	18	NA	NA	NA
						14/08/24 12:05 Hrs	7352.0	7.20	16	NA	NA	NA
						17/09/24 12:20 Hrs	7440.0	6.50	26	NA	NA	NA

*NA-Not Applicable

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
3	Propotioning ESP Stack	Propotioning House	50	2.404	Electrostatic Precipitators	18/04/24 17:20 Hrs	7466	7.40	28	NA	NA	NA
						03/05/24 16:35 Hrs	7246	7.20	26	NA	NA	NA
						11/06/24 15:35 Hrs	6573	6.80	27	NA	NA	NA
						05/07/24 15:25 Hrs	7596.0	6.50	21	NA	NA	NA
						14/08/24 10:25 Hrs	7352.0	7.80	19	NA	NA	NA
						17/09/24 15:35 Hrs	7440.0	7.50	28	NA	NA	NA
4	Main Stack	Sintering House	140	4.200	Electrostatic Precipitators	18/04/24 11:20 Hrs	7466	8.85	36	24.00	27.00	31
						14/05/24 14:12 Hrs	7202	8.65	37	24.00	32.00	41
						09/06/24 12:30 Hrs	7407	8.71	36	31.00	20.00	27
						15/07/24 11:15 Hrs	7446.0	8.94	32	28.00	19.00	43
						20/08/24 10:00 Hrs	7307.0	9.23	32	38.00	29.00	42
						03/09/24 10:30 Hrs	7319.0	9.22	38	26.00	21.00	28
5	Product Sinter Sizing & Discharge End ESP Stack	Product Sinter Sizing House & Product Discharge End	60	4.508	Electrostatic Precipitators	18/04/24 14:15 Hrs	7466	9.85	31	NA	NA	NA
						14/05/24 11:15 Hrs	7202	9.93	29	NA	NA	NA
						09/06/24 14:45 Hrs	7407	10.00	29	NA	NA	NA
						15/07/24 16:00 Hrs	7446.0	9.37	34	NA	NA	NA
						20/08/24 12:00 Hrs	7307.0	9.75	28	NA	NA	NA
						03/09/24 15:45 Hrs	7319.0	9.55	32	NA	NA	NA

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									Particulate Matter (PM)	SO_2	NOx	CO
VI	**Sinter Plant -II**					**Plant Capacity: 2.5 MTPA**						
1	Main ESP	Sinter Machine	85	5.5	Electrostatic	13/04/24 11:15 Hrs	8150	15.4	28	26.0	28.0	37
						12/05/24 15:30 Hrs	8231	16.8	33	21.0	14.0	24
						06/06/24 12:30 Hrs	8179	17.4	19	16.0	24.0	28
						16/07/24 10:30 Hrs	8086.0	17.5	17	22.0	15.0	28
						13/08/24 11:15 Hrs	3410.0	17.3	22	23.0	20.0	26
						09/09/24 14:15 Hrs	6727.0	17.4	26	17.0	13.0	31
2	Bag Filter- 1 (Flux/Fuel Crush Or Building	Crusher Building	35	4.7	Bag Filters	23/04/24 10:00 Hrs	8144	5.4	12	NA	NA	NA
						12/05/24 10:05 Hrs	8321	6.5	12	NA	NA	NA
						06/06/24 10:30 Hrs	8179	6.5	10	NA	NA	NA
						24/07/24 10:10 Hrs	7526.0	6.1	12	NA	NA	NA
						16/08/24 10:05 Hrs	7828.0	5.8	10	NA	NA	NA
						14/09/24 10:05 Hrs	8150.0	6.2	16	NA	NA	NA
3	Bag Filter- 2 (Flux/Fuel Screen Building)	Screen Building	35	1.4	Bag Filters	17/04/24 14:15 Hrs	8308	4.5	17	NA	NA	NA
						12/05/24 12:10 Hrs	8321	5.1	12	NA	NA	NA
						06/06/24 16:30 Hrs	8179	5.1	14	NA	NA	NA
						11/07/24 10:00 Hrs	8439.0	5.1	16	NA	NA	NA
						16/08/24 12:25 Hrs	7828.0	4.2	18	NA	NA	NA
						12/09/24 10:20 Hrs	8391.0	5.2	23	NA	NA	NA

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Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
4	Bag Filter- 3(Near Sinter Product Screen Building)	Sinter Product Screen Building	29	1.0	Bag Filters	17/04/24 16:22 Hrs	8308	4.6	16	NA	NA	NA
						12/05/24 16:45 Hrs	8321	6.2	16	NA	NA	NA
						08/06/24 10:35 Hrs	8184	6.2	13	NA	NA	NA
						11/07/24 12:05 Hrs	8439.0	3.9	14	NA	NA	NA
						17/08/24 10:15 Hrs	8345.0	5.5	12	NA	NA	NA
						12/09/24 12:00 Hrs	8391.0	5.2	20	NA	NA	NA
5	Bag Filter- 4 (Near Sinter Product Crusher & HLQRF)	Sinter Product Crusher & HLQRF	22	0.9	Bag Filters	17/04/24 10:12 Hrs	8308	4.9	15	NA	NA	NA
						05/05/24 10:15 Hrs	7849	3.4	13	NA	NA	NA
						08/06/24 12:00 Hrs	8184	3.4	18	NA	NA	NA
						11/07/24 14:15 Hrs	8439.0	6.2	17	NA	NA	NA
						17/08/24 12:20 Hrs	8345.0	6.5	15	NA	NA	NA
						12/09/24 14:30 Hrs	8391.0	6.8	19	NA	NA	NA
6	Bag Filter- 5 (Near Banker House & JHO8)	Banker House & JHO8	32	0.9	Bag Filters	17/04/24 12:20 Hrs	8308	3.9	17	NA	NA	NA
						05/05/24 12:30 Hrs	7849	5.2	16	NA	NA	NA
						08/06/24 14:15 Hrs	8184	5.2	16	NA	NA	NA
						11/07/24 16:25 Hrs	8439.0	5.0	19	NA	NA	NA
						17/08/24 15:40 Hrs	8345.0	5.6	16	NA	NA	NA
						12/09/24 15:45 Hrs	8391.0	6.9	21	NA	NA	NA

*NA-Not Applicable

Preapared By
P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
7	Bag Filter- 6(Banker House)	Banker House	33.5	1.0	Bag Filters	23/04/24 12:10 Hrs	8144	4.0	13	NA	NA	NA
						05/05/24 14:20 Hrs	7849	3.8	16	NA	NA	NA
						08/06/24 15:25 Hrs	8184	3.8	13	NA	NA	NA
						24/07/24 12:25 Hrs	7526.0	4.1	15	NA	NA	NA
						16/08/24 14:00 Hrs	7828.0	3.8	14	NA	NA	NA
						14/09/24 12:25 Hrs	8150.0	3.8	13	NA	NA	NA
8	Bag Filter- 7 (Fuel Storage Crusher Building)	Fuel Storage Crusher Building	33.5	0.8	Bag Filters	23/04/24 14:25 Hrs	8444	4.2	15	NA	NA	NA
						05/05/24 16:25 Hrs	7849	4.0	14	NA	NA	NA
						08/06/24 16:45 Hrs	8184	4.0	13	NA	NA	NA
						24/07/24 15:15 Hrs	7526.0	3.8	12	NA	NA	NA
						16/08/24 16:23 Hrs	7828.0	4.0	13	NA	NA	NA
						14/09/24 15:35 Hrs	8150.0	4.0	13	NA	NA	NA
VII	**Captive Power Plant (55 MW)**											
1	Boiler Stack	Boiler	40	5.0	Blower	27/04/24 14:00 Hrs	54	14.2	3	21.2	4.2	12
						25/05/24 14:25 Hrs	54	15.3	1	16.6	24.5	23
						19/06/24 16:15 Hrs	54	14.7	2	24.0	26.0	42
						07/07/24 14:30 Hrs	54	12.8	1.5	24.5	2.1	23.0
						18/08/24 10:00 Hrs	54	12.8	1.8	15.0	23.0	19.0
						25/09/24 12:30 Hrs	53	13.5	2.8	16.0	21.0	26.6
	*NA-Not Applicable						CPCB Norms		<150	NA	NA	NA

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JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
VIII	**Billet Caster & Bar Mill (1.5 & 1.4 MTPA)**											
1	Billet Caster Stack	Laddle Heating Furnace	80	2.0	Fume extraction system	27/04/24 12:10 Hrs	2241	7.2	17	14.0	21.0	18
						25/05/24 12:25 Hrs	594	6.8	13	21.0	10.0	12
						26/06/24 12:15 Hrs	2710	6.8	6	13.0	16.0	19
						21/07/24 10:30 Hrs	2630.0	7.8	10	NA	NA	NA
						18/08/24 12:00 Hrs	2374.0	6.9	12	NA	NA	NA
						26/09/24 12:30Hrs	2918.0	7.2	14	12.0	14.0	20.72
2	Bar Mill Stack	Reheating Furnace	80	3.0	Bag Filter	27/04/24 10:20 Hrs	2253	16.2	4.20	12.0	16.0	14
						25/05/24 10:05 Hrs	3588	15.4	7.47	12.0	18.0	27
						26/06/24 10:35 Hrs	3369	16.2	8.00	14.0	19.0	26
						21/07/24 12:30 Hrs	4096.0	15.4	7.45	9.0	28.7	35.0
						18/08/24 15:15 Hrs	3175.0	16.2	8.92	18.0	25.0	31.0
						26/09/24 10:20Hrs	3552.0	15.8	10.20	25.0	19.0	17.0
							CPCB Norms		<50	NA	NA	NA
IX	**Coke oven Plant -II**						**Plant Capacity: 2.5 MTPA**					
1	Coke Oven Battery Main Stack 1	Coke Oven Battery	150	11.0	Electrostatic Precipitators	11/04/24 11:30 Hrs	6682	10.7	43	156	124	145
						10/05/24 16:30 Hrs	5332	11	37	156	124	145
						03/06/24 15:25 Hrs	5152	12.5	45	116	145	186
						01/07/24 10:15 Hrs	6837	13.5	42	105	121	138
						06/08/24 15:15 Hrs	7357	7.9	44	115	128	142
						04/09/24 15:40 Hrs	6929	8.9	40	122	136	148
2	Coke Oven Battery Pushing Side	Coke Oven Battery Pushing Side	30	2.8	Bag Filters	11/04/24 15:15 Hrs	6682	6.2	6	NA	NA	NA
						10/05/24 14:15 Hrs	5332	7.8	5	NA	NA	NA
						03/06/24 10:35 Hrs	5152	6.2	7	NA	NA	NA
						01/07/24 14:10 Hrs	6837	2.48	3	NA	NA	NA
						06/08/24 10:25 Hrs	7357	4.49	10	NA	NA	NA
						04/09/24 10:00 Hrs	6929	5.6	16	NA	NA	NA

Preapared By
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JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
3	Coke Oven Battery Charging Side	Coke Oven Battery Charging Side	29.5	1.5	Bag Filters	11/04/24 16:30 Hrs	6682	4.7	3	NA	NA	NA
						10/05/24 15:05 Hrs	5332	5.6	4	NA	NA	NA
						03/06/24 12:05 Hrs	5152	5.9	6	NA	NA	NA
						01/07/24 16:20 Hrs	6837	2.8	4	NA	NA	NA
						06/08/24 12:00 Hrs	7357	4.41	13	NA	NA	NA
						04/09/24 12:15 Hrs	6929	6.2	15	NA	NA	NA
4	Coal Crushing	Coal Crushing de dusting	19.5	1.5	Bag Filters	29/04/24 10:25Hrs	6597	4.2	12	NA	NA	NA
						18/05/24 10:25 Hrs	5871	3.9	11	NA	NA	NA
						05/06/24 10:05 Hrs	5380	4.2	10	NA	NA	NA
						02/07/24 14:30 Hrs	6453.0	4.8	9	NA	NA	NA
						09/08/24 10:05 Hrs	7008.0	5.2	10	NA	NA	NA
						24/09/24 10:25 Hrs	6913.0	6.2	14	NA	NA	NA
5	Coke Cutting	Coke Cutting de dusting	25	1.8	Bag Filters	22/04/24 10:15Hrs	7224	5.1	16	NA	NA	NA
						18/05/24 12:15 Hrs	5871	5.6	14	NA	NA	NA
						05/06/24 12:25 Hrs	5380	5.1	14	NA	NA	NA
						02/07/24 16:45 Hrs	6453.0	3.9	12	NA	NA	NA
						09/08/24 12:15 Hrs	7008.0	6.0	14	NA	NA	NA
						26/09/24 10:20Hrs	6853.0	5.8	16	NA	NA	NA
6	Coke Bunker	Coke Bunker	30	2.5	Bag Filters	22/04/24 12:25Hrs	7224	6.8	17	NA	NA	NA
						18/05/24 10:25 Hrs	5871	7.1	16	NA	NA	NA
						05/06/24 14:35 Hrs	5380	6.2	17	NA	NA	NA
						01/07/24 12:25 Hrs	6837.0	7.8	15	NA	NA	NA
						09/08/24 14:25 Hrs	7008.0	6.2	13	NA	NA	NA
						24/09/24 12:00 Hrs	6913.0	7.2	17	NA	NA	NA
7	Boiler	Boiler	30	1.0	Blower	25/04/24 12:10 Hrs	246	7.6	18	14.0	18.0	19
						10/05/24 12:00 Hrs	237	8.1	19	11.5	16.4	21
						10/06/24 12:05 Hrs	5564	8.1	21	10.0	15.0	19
						03/07/24 12:20 Hrs	233.0	6.8	15	15.0	18.0	32
						03/08/24 12:05 Hrs	7048.0	5.8	11	16.0	21.0	25
						18/09/24 12:00 Hrs	406.0	6.5	16	16.0	21.0	25

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JSW STEEL LIMITED

Integrated Steel Mill Complex

Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

A) STACK EMISSION :

Sr. No.	Name of the Plant and Stack	Stack connected to (Name of the Unit)	Height of the Stack (m)	Diameter of the Stack (m)	Pollution Control unit provided	Date & time of Monitoring	Production fig. of the unit, during the monitoring period (TPD and MWh)	Velocity m/sec	Parameters mg/Nm^3			
									Particulate Matter (PM)	SO_2	NOx	CO
1	Coke Oven Battery Main Stack (C &D)	Coke Oven Battery	150	11.04	Natural Draft	21/04/24 15:20 Hrs	7032	13.2	36.5	166.0	118.0	125
						16/05/24 11:25 Hrs	6500	12.9	40.0	123.0	131.0	142
						04/06/24 16:05 Hrs	5340	10.8	36.4	142.0	188.0	166
						06/07/24 15:25 Hrs	6673.0	12.0	38.5	131.0	142.0	152.0
						08/08/24 16:25 Hrs	7224.0	12.0	41.0	105.0	122.0	133.0
						06/09/24 16:25 Hrs	6841.0	10.5	38.9	116.0	132.0	144.0
2	Coke Oven Battery Pushing Side	Coke Oven Battery Pushing Side	30	2.8	Bag Filters	21/04/24 10:10 Hrs	7032	7.2	3.9	NA	NA	NA
						16/05/24 14:20 Hrs	6500	6.8	5.2	NA	NA	NA
						04/06/24 10:22 Hrs	5340	6.1	5.2	NA	NA	NA
						06/07/24 11:05 Hrs	6673.0	7.2	3.5	NA	NA	NA
						08/08/24 10:00 Hrs	724.0	4.0	8.5	NA	NA	NA
						06/09/24 10:35 Hrs	6841.0	6.6	13.5	NA	NA	NA
3	Coke Oven Battery Charging Side	Coke Oven Battery Charging Side	29.5	1.5	Bag Filters	21/04/24 11:50 Hrs	7032	7.0	4.2	NA	NA	NA
						16/05/24 16:15 Hrs	6500	5.8	2.9	NA	NA	NA
						04/06/24 12:15 Hrs	5340	5.5	4.2	NA	NA	NA
						06/07/24 12:35 Hrs	6673.0	6.2	2.5	NA	NA	NA
						08/08/24 12:15 Hrs	7224.0	5.6	12.5	NA	NA	NA
						06/09/24 12:15 Hrs	6841.0	7.2	16.2	NA	NA	NA

*NA-Not Applicable

Preapared By
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JSW STEEL LIMITED

GEETAPURAM, DOLVI - 402 107, TALUKA - PEN, DIST.- RAIGAD.

WORK PLACE AIR QUALITY MONITORING REPORT

Sr. No.	LOCATION	DATE	PM10 (µg/m3)	SO2 (µg/m3)	NOX (µg/m3)
Blast Furnace					
1	Near Stock House	10-04-2024	1719	8.76	24.82
		14/05/2024	1703	8.16	23.05
		07-06-2024	1547	2.89	36.35
		04-07-2024	1862	5.00	19.22
		06-08-2024	1799	5.00	19.27
		09-09-2024	1827	6.30	21.56
2	Near Stove Area	10-04-2024	1668	5.52	24.67
		14/05/2024	1456	6.57	25.44
		08-06-2024	1461	4.20	38.08
		05-07-2024	1240	3.90	18.41
		06-08-2024	1287	3.90	18.50
		09-09-2024	1743	5.80	20.02
3	Near Cast House (East)	10-04-2024	1700	6.57	28.52
		15/05/2024	1514	7.36	23.90
		07-06-2024	1832	2.89	25.96
		04-07-2024	1813	7.40	11.10
		06-08-2024	1681	3.70	13.88
		09-09-2024	1852	9.10	27.68
4	Near Cast House (West)	04-10-2024	1706	7.81	22.90
		15-05-2024	1762	8.11	25.55
		08-06-2024	1784	3.42	24.23
		05-07-2024	1763	4.70	14.59
		07-08-2024	1579	4.70	14.65
		10-09-2024	1615	4.80	19.74
5	Near Slag Granulation Plant	11-04-0224	1404	8.41	16.96
		14/05/2024	1745	8.14	19.27
		07-06-2024	1613	3.68	22.50
		04-07-2024	1217	3.90	18.41
		07-08-2024	1451	3.90	18.50
		09-09-2024	1705	6.00	21.48
6	Near Pig Casting Machine -I	04-11-2024	1789	8.14	24.67
		14/05/2024	1625	8.41	22.35
		08-06-2024	1652	3.15	29.42
		05-07-2024	1559	5.00	16.17
		07-08-2024	1267	5.00	16.19
		10-09-2024	1831	7.10	16.96

Prepared By
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Checked By
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General Manager (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dolvi Village				
Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO
01-04-2024	14	38	6.04	10.08	0.83	31	88	6.54	34.25	0.87	18	17	5.47	28.74	0.52	31	73	5.53	9.63	0.21	46	93	5.65	18.5	0.66
02-04-2024	11	21	6.13	8.12	0.71	28	85	6.24	22.64	0.7	17	18	5.59	30.72	0.57	19	56	4.65	9.79	0..36	54	79	5.05	19.02	0.6
03-04-2024	11	15	6.2	6.93	0.73	26	62	6	17.1	0.71	45	90	5.73	21.99	0.68	16	58	5.22	9.47	0.48	59	85	5.11	14.32	0.6
04-04-2024	19	29	6.22	8.95	0.77	23	91	6.06	24.16	0.59	48	88	5.53	30.25	0.62	19	57	4.83	9.9	1.21	42	92	5.37	15.07	0.59
05-04-2024	11	25	6.15	9.26	0.76	35	86	6.02	33.75	0.95	41	82	5.88	24.5	0.46	21	73	4.66	9.84	0.57	39	91	5.31	14.26	0.59
06-04-2024	46	95	6.13	9.27	0.85	42	87	5.98	29.99	0.82	56	83	6.00	25.47	0.49	29	93	5.38	9.91	0.89	29	87	5.32	16.18	0.58
07-04-2024	58	93	6.13	9.35	0.87	47	81	5.99	29.2	0.73	34	74	5.92	23.17	0.39	26	78	4.82	9.7	1.02	24	60	5.25	15.98	0.62
08-04-2024	33	90	6.21	8.45	0.82	29	81	5.96	21.96	0.83	31	86	6.29	24.36	0.45	20	64	4.94	9.57	0.86	34	88	5.26	15.81	0.58
09-04-2024	26	58	6.22	7.69	0.77	25	76	6.05	21.42	0.82	35	81	5.72	16.37	0.52	18	47	5.19	9.63	0.74	41	73	5.15	12.37	0.54
10-04-2024	21	44	6.05	7.63	0.7	17	62	6.1	13.71	0.6	26	67	5.34	13.3	0.46	18	53	5.54	10.66	1.68	35	58	5.59	19.15	0.46
11-04-2024	18	35	5.98	8.12	0.95	19	57	6.06	18.36	0.81	26	67	5.84	17.96	0.7	18	46	5.24	9.71	1.23	35	73	7.37	63.42	0.6
12-04-2024	17	34	6.04	7.01	0.72	14	45	5.76	19.62	0.57	30	72	5.18	19.96	0.71	42	61	5.9	10.28	0.97	37	60	7.71	70.06	0.71
13-04-2024	19	41	6.03	7.73	0.74	21	72	5.53	21.93	0.53	31	75	5.62	30.08	0.66	11	47	4.67	10.14	1.14	35	59	7.33	67.71	0.62
14-04-2024	25	63	6.11	7.95	0.77	54	95	6.28	23.45	0.49	23	54	5.14	15.68	0.5	20	48	4.91	10.61	1.21	23	52	7.68	61.52	0.55
15-04-2024	43	87	6.16	14.12	0.92	59	99	6.44	26.32	0.76	34	77	5.59	15.91	0.83	28	70	5.69	9.93	0.82	39	66	7.78	54.57	0.73
16-04-2024	44	96	6.14	7.51	0.96	55	96	3.13	20.97	0.75	51	93	5.73	25.39	1.59	18	46	5.68	9.18	1.53	58	94	8.01	23.66	0.84
17-04-2024	28	53	6.04	5.32	0.8	42	87	3	10.91	0.53	37	89	5.79	15.81	1.48	19	42	5.65	9.26	1.37	50	84	7.51	18.16	0.85
18-04-2024	26	49	6.23	6.17	0.84	32	50	6.39	12.15	0.62	36	81	6.59	10.48	1.02	16	50	5.37	10.06	1.05	45	85	7.25	17.27	0.59
19-04-2024	33	73	6.43	6.31	1.03	52	85	8.24	14.19	0.68	34	78	6.44	10.11	0.89	15	47	5.28	9.61	1.31	34	78	7.27	17.24	0.61
20-04-2024	33	79	6.24	7.1	0.84	32	81	7.39	13.79	0.64	30	90	6.78	11.23	0.94	15	60	4.98	9.77	1.73	43	98	7.74	20.19	0.58
21-04-2024	31	82	6.2	6.31	0.86	41	93	5.59	29.27	0.94	26	65	6.35	7.29	0.72	17	65	5.09	9.98	1.06	37	89	7.34	18.69	0.68
22-04-2024	30	82	6.29	7.14	0.87	21	99	5.66	31.12	0.87	24	56	5.96	11.22	0.71	40	76	5.54	10.24	0.57	25	66	7.77	21.68	0.6
23-04-2024	36	94	6.3	7.79	0.87	10	76	6.07	26.82	0.78	25	69	6.09	13.12	0.72	33	60	4.87	10.05	0.92	22	83	7.72	18.97	0.57
24-04-2024	34	84	6.32	7.12	0.88	11	83	6.26	20.87	0.77	33	86	6.76	17.31	0.76	21	57	4.75	10.39	1.29	39	98	7.2	21.97	0.66
25-04-2024	29	67	6.35	5.9	0.86	31	72	5.95	17.82	0.79	31	92	6.94	13.08	0.76	18	55	4.62	10.53	1.24	41	95	7.57	18.04	0.57
26-04-2024	40	68	7.81	10.49	0.97	39	97	9.51	30.39	0.86	28	74	6.01	19.22	0.8	23	62	4.46	13.91	1.79	29	77	7.64	22.37	0.6
27-04-2024	31	70	7.21	8.69	1.11	39	90	5.91	19.1	0.86	35	90	5.61	11.02	0.79	29	83	4.5	9.78	1.24	45	90	7.93	19.36	0.55
28-04-2024	50	85	7.12	9.01	1.19	51	87	6.17	26.85	0.8	46	95	5.88	15.44	0.87	37	86	4.65	9.94	1.03	55	94	7.98	21.4	0.66
29-04-2024	41	99	7.11	9.27	1.26	54	91	6.22	39.55	0.79	44	93	5.83	33.15	0.84	35	90	4.52	11.42	0.57	43	96	7.91	24.17	0.62
30-04-2024	45	83	7.17	9.36	1.19	39	96	6.7	34.11	0.88	42	98	5.81	31.93	0.85	34	94	4.63	11.15	1.05	42	95	7.57	22.37	0.6

Standards	
PM2.5 µg/m3	60
PM10 µg/m3	100
(SO2), µg/m3	80
(NOX), µg/m3	80
CO(mg/m3)	2

Prepared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dolvi Village				
Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
01-05-2024	29	70	7.18	6.65	1	29	71	5.73	20.91	0.59	19	69	5.18	16.48	0.78	22	68	4.58	12.27	1.97	36	77	7.51	20.67	0.52
02-05-2024	40	91	8.27	7.27	1.98	31	95	7.38	22.69	0.82	31	90	4.98	18.35	0.96	15	48	4.67	11.11	1.16	38	91	7.23	17.18	0.64
03-05-2024	31	74	7.58	8.4	1.05	35	72	4.24	25.34	0.77	29	92	4.83	18.1	0.97	19	58	4.85	11.11	1.42	41	97	7.31	18.53	0.65
04-05-2024	27	63	7.39	6.83	0.98	45	88	6.49	19.34	0.69	24	61	6.03	10.07	0.82	19	62	4.85	11.74	1.18	33	64	7.66	17.87	0.56
05-05-2024	33	85	7.46	6.88	1.05	19	48	5.77	11.35	0.77	23	54	5.73	9.28	0.87	15	50	5.28	12.16	2.05	32	57	7	17.59	0.56
06-05-2024	16	37	7.33	6.1	0.96	14	73	7.08	13.27	0.74	18	50	5.82	8.89	0.72	13	38	4.92	13.24	1.39	26	52	7.58	18.49	0.5
07-05-2024	42	90	7.55	6.94	1.28	19	87	6.16	17.55	0.76	22	72	5.79	15.52	1.09	11	26	4.78	11.41	1.17	16	57	7.44	16.27	0.46
08-05-2024	26	67	7.49	6	0.98	13	59	6.08	13.31	0.71	18	57	5.2	10.98	0.89	13	36	4.81	13.19	1.42	23	58	7.29	14.74	0.44
09-05-2024	16	37	7.26	5.53	0.94	13	33	6.09	11.8	0.67	17	44	5.05	15.64	0.74	20	36	4.88	9.94	1.14	27	45	7.78	15.99	0.51
10-05-2024	17	42	7.16	5.29	0.97	11	33	6.36	11.76	0.61	17	44	5.48	16.21	0.69	22	71	5.18	11.43	1.3	26	47	8.06	15.13	0.46
11-05-2024	28	69	7.22	9.65	1.05	19	80	5.76	16.66	0.62	21	59	5.72	10.7	0.75	23	72	5.29	15.34	2.13	32	81	7.5	17.64	0.52
12-05-2024	19	44	7.25	7.82	1	17	52	6.05	13.56	0.64	21	54	5.73	6.21	0.74	26	66	5.14	10.87	2.09	22	72	7.35	14.86	0.46
13-05-2024	45	88	7.22	9.35	1.36	28	81	6.16	17.53	0.82	27	82	5.32	7.75	0.86	30	79	5.73	9.88	1.46	25	72	7.5	16.84	0.56
14-05-2024	38	96	7.25	9.39	1.4	33	71	5.99	40.62	0.98	43	95	5.52	11.75	1.07	32	85	5.93	10.87	1.67	42	87	8.37	20.28	0.74
15-05-2024	44	69	7.5	9.94	1.55	31	89	6.16	29.16	0.83	39	87	5.64	12.87	1.2	21	47	5.47	9.96	0.97	48	88	8.74	21.43	0.8
16-05-2024	43	88	7.53	16.79	1.31	30	70	6.01	16.08	0.9	29	67	5.55	8.17	0.77	NA	NA	5.06	9.82	1.11	56	77	6.79	17.59	0.61
17-05-2024	21	37	7.75	14.71	1.64	27	88	6.4	23.41	1.09	32	76	6.08	10.56	1.02	39	82	5.13	9.63	1.06	29	65	7.57	20.31	0.74
18-05-2024	34	74	7.41	11.55	1.05	20	62	5.96	12.34	0.68	26	62	6.07	10.01	0.89	36	58	5.29	9.79	0.93	36	61	7.71	15.22	0.5
19-05-2024	56	89	7.31	9.49	1.01	16	49	6.06	7.38	0.62	25	72	6.05	15.35	0.93	47	64	5.65	9.27	0.68	38	68	7.85	14.25	0.51
20-05-2024	54	90	7.62	8.83	1.17	17	92	6.22	9.72	0.66	29	62	6.15	19.71	1.38	21	58	5.34	10.03	0.83	40	74	7.26	15.91	0.64
21-05-2024	20	52	7.26	8.16	0.96	17	66	6.13	11.74	0.63	37	93	6.59	25.69	0.91	28	64	5.2	11.32	0.88	37	68	7.62	14.62	0.45
22-05-2024	33	81	7.64	9.12	0.78	20	86	6.01	12.09	0.57	34	80	6.2	16.15	1.13	46	66	5.47	10.1	0.8	38	72	7.29	14.36	0.48
23-05-2024	22	53	8.41	8.77	0.43	13	84	5.93	10.29	0.46	30	74	6.28	13.84	0.99	21	66	5.31	10.36	0.86	42	89	6.77	14.85	0.45
24-05-2024	37	90	8.59	7.74	0.47	14	81	6.04	10.05	0.59	27	71	6.47	12.94	0.82	20	70	5.42	10.63	0.91	38	77	5.96	14.75	0.43
25-05-2024	50	70	8.48	7.18	0.34	15	88	6.15	8.49	0.67	30	68	6.2	16.1	0.88	19	67	7.14	12.06	1.22	35	88	6.95	14.18	0.42
26-05-2024	16	29	8.46	6.66	0.33	10	27	5.83	7.71	0.48	31	77	6.49	14.13	0.98	20	86	8.78	10.59	1.17	20	86	7.48	12.43	0.41
27-05-2024	20	50	8.43	6.39	0.34	15	34	6.09	6.94	0.57	41	85	7.44	24.06	1.43	12	46	8.19	19.85	0.78	51	83	6.8	13.58	0.45
28-05-2024	15	34	8.53	6.3	0.31	20	40	5.93	7.29	0.52	42	91	7.42	17.69	1.17	15	66	5.79	11.45	1.27	54	89	7.12	13.82	0.46
29-05-2024	31	89	8.77	6.65	0.49	48	90	5.98	7.15	0.54	41	94	7.08	17.65	1.53	13	50	5.86	10.12	0.84	49	95	7.27	14.59	0.46
30-05-2024	56	75	7.63	8.98	0.8	56	79	6.09	8.35	0.62	30	75	6.65	16.75	0.88	21	94	5.8	10.35	1.07	47	97	6.5	13.91	0.45
31-05-2024	23	63	5.91	9.75	0.64	56	64	6.05	9.15	0.66	25	64	6.34	11.84	0.73	19	78	6.41	11.33	1.68	15	62	7.77	14.7	0.41
Max (µg/m3)	**56**	**96**	**9**	**17**	**2**	**56**	**95**	**7**	**41**	**1**	**43**	**95**	**7**	**26**	**1.53**	**47**	**94**	**9**	**20**	**2**	**56**	**97**	**9**	**21**	**1**
Min (µg/m3)	**15**	**29**	**6**	**5**	**0**	**10**	**27**	**4**	**7**	**0**	**17**	**44**	**5**	**6**	**0.69**	**11**	**26**	**5**	**9**	**1**	**15**	**45**	**6**	**12**	**0**
98%tile(µg/m3)	**56**	**93**	**9**	**16**	**2**	**56**	**93**	**7**	**34**	**1**	**42**	**94**	**7**	**25**	**1.47**	**46**	**89**	**8**	**17**	**2**	**55**	**97**	**9**	**21**	**1**
Standards	**60**	**100**	**80**	**80**	**2**	**60**	**100**	**80**	**80**	**2**	**60**	**100**	**80**	**80**	**2**	**60**	**100**	**80**	**80**	**2**	**60**	**100**	**80**	**80**	**2**

Prepared By
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Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dalvi Village				
Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
01-06-2024	12	29	5.72	8.75	0.46	27	45	6.19	20.62	0.68	19	53	6.52	12.07	0.82	17	59	6.52	10.44	1.58	20	86	6.55	13.87	0.44
02-06-2024	28	35	5.83	8.66	0.54	44	99	6.11	19.14	0.67	21	53	7.04	11.04	0.71	18	70	6.21	50.38	1.43	19	59	6.93	12.78	0.41
03-06-2024	39	38	6.23	12.87	1.24	59	65	6.13	16.33	0.76	26	57	7.48	12.07	0.77	13	40	6.38	24.53	1.52	28	58	8.04	16.55	0.52
04-06-2024	46	53	6.28	27.08	0.73	44	41	6	24.65	0.73	26	67	7.23	22.08	0.8	28	81	6.54	31.41	1.37	36	80	6.99	20.96	0.47
05-06-2024	27	40	6.39	16.91	1.05	39	89	6	16.81	0.61	25	68	6.88	17.75	2.69	18	65	5.9	32.15	1.04	29	60	7.64	16.28	0.47
06-06-2024	57	50	6.85	18.57	1.61	56	79	5.96	13.23	0.48	25	57	6.89	9.7	0.67	17	66	5.55	16.74	1.05	27	49	7.59	15.4	0.4
07-06-2024	20	51	6.13	13.05	0.5	38	68	6.08	13.15	0.75	30	74	7	13.97	0.67	21	97	5.07	11.93	0.7	37	79	7.64	16.7	0.42
08-06-2024	55	54	6.33	14.37	1.35	44	96	5.98	16.95	1	25	54	7.22	11.36	0.67	19	62	5.41	11.32	1.11	24	51	7.79	16.19	0.44
09-06-2024	57	53	6.54	11.29	1.89	55	64	5.87	12.26	0.82	22	46	7.25	11.75	1.05	15	20	5.51	13.92	0.58	26	40	9.02	14.97	0.6
10-06-2024	20	60	6.33	1.26	0.78	26	43	5.96	9.36	0.83	21	43	6.9	15.14	0.89	11	21	5.9	12.11	0.55	18	34	7.85	14.62	0.46
11-06-2024	42	54	6.51	5.98	1.1	39	89	5.91	9.58	0.81	23	49	6.78	14.73	1.62	11	15	6.29	18.31	0.51	13	43	6.14	15.16	0.52
12-06-2024	48	54	7.03	17.69	1.46	51	74	6.24	14.81	0.58	30	72	7.11	20.91	2.02	13	35	6.6	12.36	0.48	18	44	7.99	15.59	0.54
13-06-2024	NA	44	7.59	19.07	1.75	60	60	6.34	15.9	0.7	12	35	7.06	7.93	0.66	12	19	6.94	12.67	0.58	9	26	7.95	14.6	0.55
14-06-2024	NA	39	7.5	21.08	1.95	49	96	5.11	13.61	0.54	14	30	7.17	9	0.92	12	16	7.25	11.52	0.58	4	22	7.78	13.81	0.44
15-06-2024	58	59	7.1	20.15	2.01	50	59	5.52	14.85	0.53	32	80	8.17	9.35	0.82	14	28	7.5	11.8	0.58	6	26	7.57	13.12	0.46
16-06-2024	49	44	7	16.67	1.69	52	59	6.22	10.48	0.63	38	85	7.69	15.96	1.51	13	20	7.89	10.72	0.62	19	51	8.24	12.9	0.51
17-06-2024	25	88	7.73	18.83	1.59	42	69	6	12.02	0.69	23	61	7.6	13.24	1.07	14	34	8.42	10.6	0.7	39	67	6.28	14.5	0.49
18-06-2024	36	75	7.04	17.16	1.61	34	88	6.09	9.03	0.66	33	94	7.36	15.45	1.24	17	50	8.79	10.36	0.87	43	72	6.88	16.9	0.84
19-06-2024	51	68	6.91	19.67	2.03	42	75	6.13	9.48	0.57	45	75	7.41	15.05	1.36	13	28	9.06	10.41	0.77	46	68	7.38	16.22	0.77
20-06-2024	39	88	8.69	22	1.88	32	81	6.21	7.58	0.58	19	54	7.73	12.57	1.14	15	17	9.81	12.91	0.72	40	57	8.25	15.65	0.74
21-06-2024	40	63	7.84	21.21	1.54	20	92	6.23	6.92	0.74	22	53	7.92	21.25	1.78	6	35	10.45	12.83	0.96	58	96	7.61	17.62	0.88
22-06-2024	56	90	12.6	49.92	0.93	29	79	6.14	8.6	0.85	22	41	7.65	11.42	0.75	NA	30	10.74	12.7	0.96	24	51	8.34	15.17	0.53
23-06-2024	NA	NA	NA	NA	NA	31	57	6.38	8.8	0.5	32	83	7.77	14.49	1.43	NA	54	11.24	12.63	0.86	25	77	7.06	14.44	0.49
24-06-2024	NA	NA	NA	NA	NA	52	95	6.09	9.3	0.6	27	67	7.62	13.13	1.16	NA	64	11.3	13.65	0.86	19	34	7.79	13.15	0.39
25-06-2024	NA	NA	NA	NA	NA	54	75	6.06	11.51	0.63	24	71	7.49	6.75	0.5	NA	83	11.59	11.64	0.88	29	38	6.88	12.62	0.39
26-06-2024	NA	NA	NA	NA	NA	28	68	5.96	11.84	0.61	28	64	7.96	11.35	0.77	NA	21	11.49	12.16	0.89	38	54	6.81	15.7	0.88
27-06-2024	NA	NA	NA	NA	NA	45	43	6.12	10.78	0.51	23	42	7.49	10.02	0.67	NA	NA	NA	NA	NA	25	35	8.29	14.48	1.03
28-06-2024	NA	NA	NA	NA	NA	28	83	6.22	9.76	0.54	22	38	7.24	11.41	0.6	NA	NA	NA	NA	NA	27	50	6.96	15.02	1.07
29-06-2024	NA	NA	NA	NA	NA	47	90	6.12	11.75	0.66	27	59	7.16	14.44	0.73	NA	NA	NA	NA	NA	53	88	8.43	17.4	1.29
30-06-2024	NA	NA	NA	NA	NA	46	55	5.97	9.89	0.6	26	76	7.29	17.94	1.54	NA	NA	NA	NA	NA	43	55	8.04	21.43	1.95
Max (µg/m3)	**58**	**90**	**13**	**50**	**2**	**60**	**99**	**6**	**25**	**1**	**45**	**94**	**8**	**22**	**2.69**	**28**	**97**	**12**	**50**	**2**	**58**	**96**	**9**	**21**	**2**
Min (µg/m3)	**12**	**29**	**6**	**1**	**0**	**20**	**41**	**5**	**7**	**0**	**12**	**30**	**7**	**7**	**0.50**	**6**	**15**	**5**	**10**	**0**	**4**	**22**	**6**	**13**	**0**
98%tile(µg/m3)	**57**	**89**	**11**	**40**	**2**	**59**	**97**	**6**	**22**	**1**	**41**	**88**	**8**	**22**	**2.30**	**25**	**90**	**12**	**41**	**2**	**55**	**91**	**9**	**21**	**2**
Standards	**60**	**100**	**80**	**80**	**2**	**60**	**100**	**80**	**80**	**2.**	**60**	**100**	**80**	**80**	**2**	**60**	**100**	**80**	**80**	**2**	**60**	**100**	**80**	**80**	**2**

Showing NA due to the Aqms station is off because rain water is passing in aqms station

Prepared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dolvi Village			
Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3
01-07-2024	NA	NA	6.78	5.00	1.73	17	24	6.48	8.01	0.49	27	79	6.94	14.89	1.2	NA	NA	NA	NA	NA	41	83	8.42	42.69
02-07-2024	23	90	6.6	16.41	1.27	9	78	6.21	8.84	0.52	41	96	7.66	39.79	2.64	NA	NA	NA	NA	NA	59	80	8.97	56.75
03-07-2024	22	84	6.8	15.45	1.09	10	32	6.35	10.03	0.48	37	95	7.73	26.99	2.44	NA	NA	NA	NA	NA	53	87	7.51	68.3
04-07-2024	28	46	6.73	11.57	0.93	12	22	5.79	9.25	0.6	41	84	7.8	34	4.3	NA	NA	NA	NA	NA	41	72	7.78	49.6
05-07-2024	45	87	7.01	5.69	0.87	11	19	6.29	10.33	0.6	41	76	8.31	30.38	3.15	14	42	10.32	15.06	2.15	50	86	9.36	57.77
06-07-2024	18	50	7.43	11.89	0.8	7	17	6.11	8.09	0.58	51	78	8.13	43.77	5.31	86	77	11.36	21.79	1.48	32	95	7.75	42.3
07-07-2024	40	83	7.85	15.33	0.99	10	19	4.08	9.63	0.62	44	78	8.18	33.58	6.13	13	39	10.54	11.27	2.15	39	70	7.06	32.67
08-07-2024	32	83	8.53	32.37	2.75	13	80	6.26	11.35	0.85	13	15	7.81	7.93	4.12	20	9	12.43	17.42	2.07	9	10	5.66	16.16
09-07-2024	NA	NA	NA	NA	NA	17	90	8.14	11.3	0.72	19	24	7.59	8.44	0.67	11	16	11.33	13.03	1.52	14	24	7.06	20.37
10-07-2024	NA	NA	NA	NA	NA	31	80	6.44	13.54	0.63	24	37	8.05	10.92	0.68	14	39	10.26	11.34	0.95	20	33	10.02	22.11
11-07-2024	NA	NA	NA	NA	NA	51	87	6.95	10.37	0.73	25	29	8.29	11.84	0.87	12	16	8.41	13.28	0.66	14	22	8.17	21.42
12-07-2024	NA	NA	NA	NA	NA	27	85	6.45	10.94	0.71	20	25	8.21	22.59	1.29	17	21	9.2	13.65	1.02	17	29	7.11	24.41
13-07-2024	NA	NA	NA	NA	NA	23	82	7.3	11.55	0.62	26	39	8.65	23.87	1.82	9	25	9.03	13.06	0.78	19	46	7.96	25.15
14-07-2024	NA	NA	NA	NA	NA	17	67	5.91	12.33	1.03	25	36	8.38	19.22	1.84	33	75	9.34	13.36	1.3	15	36	7.59	22.02
15-07-2024	NA	NA	NA	NA	NA	14	69	6.62	11.76	0.62	18	21	7.75	16.12	0.87	13	18	9.3	14.98	0.81	15	25	6.64	19.14
16-07-2024	NA	NA	NA	NA	NA	20	82	8.06	9.64	0.61	17	25	8.27	10.79	0.75	12	22	9.47	13.65	0.69	24	64	13	27.47
17-07-2024	NA	NA	NA	NA	NA	18	79	12.7	11.47	0.63	17	29	7.79	11.54	1.16	15	42	9.71	18.97	0.7	16	48	9.33	24.6
18-07-2024	NA	NA	NA	NA	NA	14	81	7.38	10.11	0.78	17	26	7.82	15.45	1.84	17	47	10.03	19.7	0.92	31	62	7.42	27.77
19-07-2024	NA	NA	NA	NA	NA	14	50	7.71	8.16	0.81	25	40	8.06	13.03	1.96	22	59	10.14	25.2	1.01	26	86	7.82	31.55
20-07-2024	NA	NA	NA	NA	NA	13	43	8.05	8.93	0.66	30	49	7.95	18.58	2.85	13	27	10.66	18.22	0.75	55	85	7.91	39.77
21-07-2024	NA	NA	NA	NA	NA	7	55	8.46	9.77	0.57	33	58	8.34	25.44	3.8	22	61	10.25	16.06	0.79	33	84	7.47	34.65
22-07-2024	NA	NA	NA	NA	NA	8	31	8.81	7.96	0.57	41	74	8.22	33.03	3.67	27	78	10.48	16.16	0.86	30	84	7.81	43.24
23-07-2024	NA	NA	NA	NA	NA	16	34	9.09	6.2	0.57	46	76	8.52	43.74	3.3	37	83	10.81	24.47	1.01	21	35	7.89	24.13
24-07-2024	NA	NA	NA	NA	NA	14	27	9.26	7.07	0.57	44	78	8.77	40.91	4.4	51	88	11.3	22.73	1.75	20	30	6.51	17.63
25-07-2024	NA	NA	NA	NA	NA	7	84	9.42	8.51	0.55	43	79	8.63	41	3.23	66	85	11.9	24.31	1.77	22	19	7.49	16.4
26-07-2024	NA	NA	NA	NA	NA	10	20	9.63	8.89	0.46	50	89	8.91	41.73	4.94	56	81	11.87	21.83	0.19	33	69	8.55	19.42
27-07-2024	NA	NA	NA	NA	NA	11	20	9.87	8.06	0.42	48	92	10.06	49.08	3.96	NA	62	10.02	9.55	2.67	29	64	4.98	21.57
28-07-2024	NA	NA	NA	NA	NA	9	33	10.2	7.82	0.5	54	90	9.42	45.86	3.63	NA	63	9.84	9.12	2	35	50	6.13	17.48
29-07-2024	NA	NA	NA	NA	NA	14	41	11	8.61	0.69	45	89	8.94	41.94	4.79	NA	51	10.22	11.52	2.16	39	78	6.89	19.75
30-07-2024	NA	NA	NA	NA	NA	10	30	11.8	8.43	0.68	44	79	9.31	40.5	4.07	NA	27	10.07	9.54	2.03	27	58	7.7	21.66
31-07-2024	NA	NA	NA	NA	NA	10	20	12.3	7.57	0.6	42	89	9.57	42.83	1.41	NA	67	9.94	8.74	2.26	29	40	8.4	19.65
Max (µg/m3)	**45**	**90**	**9**	**32**	**3**	**51**	**90**	**13**	**14**	**1**	**54**	**96**	**10**	**49**	**6**	**86**	**88**	**12**	**25**	**3**	**59**	**95**	**13**	**68**
Min (µg/m3)	**18**	**46**	**7**	**5**	**1**	**7**	**17**	**4**	**6**	**0**	**13**	**15**	**7**	**8**	**1**	**9**	**9**	**8**	**9**	**0**	**9**	**10**	**5**	**16**
Average (µg/m3)	**30**	**75**	**7**	**14**	**1**	**15**	**51**	**8**	**10**	**1**	**34**	**60**	**8**	**28**	**3**	**26**	**49**	**10**	**16**	**1**	**29**	**57**	**8**	**30**
Standards	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**

Showing NA due to the Aqms station is off because rain water is passing in aqms station

Prepared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dolvi Village			
Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3
01-08-2024	NA	NA	NA	NA	NA	14	17	12.7	8.17	0.48	41	92	9.61	42.46	2.99	NA	45	10.2	10.74	2.09	23	34	5.77	16.35
02-08-2024	NA	NA	NA	NA	NA	10	12	12.7	8.8	0.44	37	74	9.25	41.28	2.73	NA	48	10.7	20.41	2.09	36	73	5.4	35.65
03-08-2024	NA	NA	NA	NA	NA	7	15	12.9	7.84	0.47	44	79	9.6	43.63	2.41	NA	23	10.93	13.67	2.04	23	78	4.9	37.88
04-08-2024	NA	NA	NA	NA	NA	7	20	12.9	8.2	0.56	34	69	9.02	31.6	2.86	NA	25	11.29	16.29	2.08	3	90	7.81	45.34
05-08-2024	NA	NA	NA	NA	NA	12	16	13.8	9.6	0.49	29	63	8.25	27.7	1.99	NA	24	11.44	13.81	1.09	2	82	6.71	42.93
06-08-2024	NA	NA	NA	NA	NA	11	39	13.1	10.85	0.46	30	67	8.27	31.29	2.78	NA	31	12.33	14.91	2.16	4	37	8.77	23.73
07-08-2024	NA	NA	NA	NA	NA	10	74	12.2	11.34	0.52	34	87	9	34.19	0.49	NA	75	11.6	14.78	2.36	30	39	5.68	23.07
08-08-2024	NA	NA	NA	NA	NA	13	73	12	11.19	0.59	21	49	8.8	16.97	0.27	NA	65	11.77	13.28	2.23	37	55	7.32	26.05
09-08-2024	NA	NA	NA	NA	NA	7	84	12.4	11.27	0.57	23	60	8.64	14.7	0.35	NA	93	12.04	14.14	1.86	33	73	7.52	26.3
10-08-2024	NA	NA	NA	NA	NA	8	95	11.9	12.18	0.51	26	65	9.26	21.44	0.94	NA	40	12.24	13.53	0.16	21	43	6.64	24.04
11-08-2024	NA	NA	NA	NA	NA	26	92	11.4	9.57	0.61	23	63	9.32	24.14	1.07	NA	29	12.1	16.03	0.03	22	49	5.84	24.84
12-08-2024	NA	NA	NA	NA	NA	23	89	11.1	12.66	0.53	17	44	8.88	17.79	1.04	NA	61	11.88	12.55	0.45	21	46	5.72	20.91
13-08-2024	NA	NA	NA	NA	NA	9	94	11.4	13.08	0.48	22	60	8.71	11.57	0.57	NA	83	12.35	14.44	0.93	27	70	6.54	21
14-08-2024	NA	NA	NA	NA	NA	17	58	13	10.26	0.55	18	45	9.1	7.28	0.4	40	84	12.48	12.12	2.55	30	78	6.76	23
15-08-2024	NA	NA	NA	NA	NA	18	94	11.9	10	0.64	17	47	8.68	7.87	0.39	29	87	11.34	11.22	2.73	31	90	8.19	25.87
16-08-2024	NA	NA	NA	NA	NA	14	93	11.4	11.8	0.55	20	58	9.72	8.73	0.52	20	56	12.37	14.65	2.03	37	95	8.9	24.1
17-08-2024	NA	NA	NA	NA	NA	20	86	11.5	11.67	0.59	19	56	9.35	7.95	0.46	31	86	12.99	13.93	1.51	32	79	7.72	24.13
18-08-2024	NA	NA	NA	NA	NA	17	81	12.7	12.84	0.82	16	37	8.82	7.53	0.71	29	83	13.27	12.83	2.84	24	58	6.09	20.98
19-08-2024	NA	NA	NA	NA	NA	12	82	11.8	18.26	1.13	19	41	9.9	5.94	0.85	26	76	13.07	12.89	2.22	13	52	6.31	20.75
20-08-2024	NA	NA	NA	NA	NA	9	68	12.4	17.73	0.87	19	32	8.89	10.45	0.77	13	28	13.23	13.56	1.27	8	39	7.25	20.09
21-08-2024	NA	NA	NA	NA	NA	15	63	12.8	14.1	0.76	18	37	5.06	7.64	0.59	20	56	11.72	11.55	1.29	19	52	8.09	22.2
22-08-2024	NA	NA	NA	NA	NA	24	70	11.4	15.67	0.49	19	46	7.43	13.44	0.72	14	36	10.14	10.94	0.96	25	58	6.55	25.75
23-08-2024	NA	NA	NA	NA	NA	18	78	6.73	16.84	0.52	11	38	6.39	6.53	0.93	8	11	10.71	9.52	0.94	13	38	7.81	20.88
24-08-2024	NA	NA	NA	NA	NA	5	68	6.77	14.02	0.7	25	58	6.7	15.63	1.09	24	55	10.74	10.62	1.12	2	21	6.54	24.8
25-08-2024	NA	NA	NA	NA	NA	8	8	7.67	9.29	0.55	43	79	7.07	26.88	1.79	29	68	10.9	22.67	1.21	14	61	6.59	25.61
26-08-2024	NA	NA	NA	NA	NA	8	9	6.75	9.07	0.51	46	93	7.12	31.98	2.86	13	25	11.22	14.26	0.94	11	40	6.16	19.75
27-08-2024	NA	NA	NA	NA	NA	8	10	5.25	8.3	0.44	32	70	6.68	19.96	2.24	9	13	10.9	9.94	0.93	45	79	7.49	62.96
28-08-2024	NA	NA	NA	NA	NA	8	21	6.95	9.33	0.44	27	65	6.71	15.79	1.54	9	17	10.99	10.94	0.94	40	81	7.28	52.57
29-08-2024	NA	NA	NA	NA	NA	9	76	8.18	11.53	0.49	27	75	6.67	12.98	0.76	32	24	11.12	11.21	0.96	50	82	7.37	59.24
30-08-2024	NA	NA	NA	NA	NA	11	91	9	12.52	0.56	19	54	6.63	15.91	1.52	14	32	11.21	8.72	1.94	11	36	6.61	28.45
31-08-2024	NA	NA	NA	NA	NA	22	79	8.92	13.99	0.56	21	54	6.86	18.32	0.68	27	61	11.69	9.35	2.11	21	30	7.02	22.11
Max (µg/m3)	**0**	**0**	**0**	**0**	**0**	**26**	**95**	**14**	**18**	**1**	**46**	**93**	**10**	**44**	**3**	**40**	**93**	**13**	**23**	**3**	**50**	**95**	**9**	**63**
Min (µg/m3)	**0**	**0**	**0**	**0**	**0**	**5**	**8**	**5**	**8**	**0**	**11**	**32**	**5**	**6**	**0**	**8**	**11**	**10**	**9**	**0**	**2**	**21**	**5**	**16**
Average (µg/m3)	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**13**	**60**	**11**	**12**	**1**	**26**	**60**	**8**	**19**	**1**	**21**	**50**	**12**	**13**	**2**	**23**	**59**	**7**	**29**
Standards	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**

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Prepared By
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Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

a). AMBIENT AIR QUALITY(AAQ):

Location	Near Kasumata Temple					Near Coke Oven Plant					Near Goa Gate					Near MSEB Substation					Near Dolvi Village			
Date	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX	CO	PM2.5	PM10	SO2	NOX
DD-MM-YYYY	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3
01-09-2024	NA	NA	NA	NA	NA	19.32	45.49	7.32	12.27	0.61	20.02	51.24	6.87	12.38	0.48	36.44	68.98	11.56	9.91	2.6	18.22	55.11	8.11	20
02-09-2024	NA	NA	NA	NA	NA	23.9	87.84	6.8	14.18	0.67	22.05	45.65	6.72	9.99	0.53	32.67	57.16	11.34	9.54	2.3	11.22	33.31	7.55	19.2
03-09-2024	NA	NA	NA	NA	NA	12.73	77.26	7.15	15.4	0.59	31.16	67.06	7.64	30.81	1.55	37.31	64.44	11.24	9.23	1.83	33.4	40.48	7.78	22.63
04-09-2024	NA	NA	NA	NA	NA	18.49	92.2	7.25	10.6	0.47	28.72	76.62	7.77	26.81	1.26	34.93	53.3	11.62	11.77	1.78	29.63	47.61	6.4	23.3
05-09-2024	NA	NA	NA	NA	NA	11.86	27.79	7.41	12.59	0.51	29.86	70.08	7.8	30.23	1.51	59.15	90.05	11.65	11	2.0	15.21	40.83	5.7	19.74
06-09-2024	NA	NA	NA	NA	NA	5.87	69.33	6.9	12.47	0.68	31.91	79.84	7.95	28.37	1.61	37.93	63.37	10.27	9.92	1.67	20.7	42.52	6.9	21.46
07-09-2024	NA	NA	NA	NA	NA	0.92	94.87	7.57	15.42	0.64	21.85	54.74	8.02	21.17	1.09	23.31	34.88	9.04	9.19	1.57	34.04	46.55	6.68	19.41
08-09-2024	NA	NA	NA	NA	NA	2.94	90.03	7.65	14.5	0.51	18.62	46.41	7.97	19.94	1.05	16.23	35.16	8.79	7.6	1.28	21.72	26.77	7.58	17.77
09-09-2024	NA	NA	NA	NA	NA	13.13	93.81	7.68	14.95	0.59	17.54	38.93	7.4	15.77	0.63	26.43	65.7	9.34	7.93	1.33	14.62	29.43	7.62	18.52
10-09-2024	NA	NA	NA	NA	NA	14.35	93.4	7.77	13.73	0.51	24.95	52.88	7.05	18.25	1.23	17.82	17.44	9.36	8.04	1.3	9.42	41.26	7.21	22.25
11-09-2024	NA	NA	NA	NA	NA	17.43	91.26	7.95	12.72	0.43	21.53	47.86	6.88	16.93	1.14	16.78	19.95	11.78	8.11	1.31	25.24	43.38	6.44	20.26
12-09-2024	NA	NA	NA	NA	NA	35.58	91.59	8.09	14.04	0.43	21.59	59.02	7.15	14.23	1.1	25.26	35.37	11.71	8.54	1.33	40.68	71.62	6.03	20.56
13-09-2024	NA	NA	NA	NA	NA	18.5	91.31	8.13	13.73	0.48	24.91	60.4	6.54	19.19	1.52	59.73	44.37	12.24	9.03	1.34	37.3	72.37	5.99	21.05
14-09-2024	NA	NA	NA	NA	NA	22.49	94.87	8.16	16.96	0.53	23.32	61.69	6.74	19.63	1.71	19.67	33.64	13.03	9.24	1.42	48.56	86.83	7.46	28.05
15-09-2024	NA	NA	NA	NA	NA	17.93	95.09	8.18	16.58	0.82	16.23	32.57	6.65	10.96	0.66	12.14	18.36	11.41	8.45	1.62	28.79	34.99	7.04	22.15
16-09-2024	NA	NA	NA	NA	NA	16.65	91.64	8.24	15.58	0.62	15.94	28.8	6.75	10.21	0.74	14.65	31.37	9.9	8	1.48	19.22	31.55	7.43	22.39
17-09-2024	NA	NA	NA	NA	NA	23.54	90.98	8.24	12.35	0.72	18.78	37.87	6.9	10.34	0.52	34.55	75.17	9.64	8.69	2.14	12.02	52.42	8.18	25.46
18-09-2024	NA	NA	NA	NA	NA	21.54	91.59	10.7	24.63	0.61	24.5	62.15	6.41	14.68	0.75	23.84	50.97	9.75	7.9	1.59	23.24	58.04	7.02	21.78
19-09-2024	NA	NA	NA	NA	NA	39.99	96.09	12.71	19.74	0.51	23.55	52.82	6.13	9.83	0.67	21.97	51.7	9.81	7.86	1.57	29.89	62.99	6.47	22.71
20-09-2024	NA	NA	NA	NA	NA	44.84	90.96	11.02	17.58	0.59	21.3	48.68	5.76	9.47	0.57	35.33	82.66	10.14	7.95	1.86	41.47	66.81	7.8	25.1
21-09-2024	NA	NA	NA	NA	NA	26.83	96.29	13.06	15.3	0.58	20.63	46.23	6.49	11.81	0.56	39.28	92.45	10.04	9.36	2.34	14.85	69.75	7.47	28.99
22-09-2024	NA	NA	NA	NA	NA	28.38	94.51	13.28	17.28	0.62	21.54	51.09	6.46	10.92	0.57	48.66	95.18	10.27	8.98	2.99	21.62	78.38	7.17	26.59
23-09-2024	NA	NA	NA	NA	NA	18.51	47.3	13.49	20.55	0.47	28.57	55.2	6.3	8.49	0.57	51.5	92.09	10.43	9.32	3.05	43.86	93.4	6.8	22.37
24-09-2024	NA	NA	NA	NA	NA	23.81	88.13	13.33	17.18	0.95	18.84	26.01	6.73	7.7	0.64	40.25	85.78	10.56	8.64	3.02	24.64	32.52	7.65	18.14
25-09-2024	NA	NA	NA	NA	NA	18.82	94.04	13.85	16.36	0.66	22.08	34.93	7.16	15.63	1.24	14.49	21.79	10.39	9.75	1.73	27.7	37.67	6.18	24.88
26-09-2024	NA	NA	NA	NA	NA	15.21	39.33	13.41	10.97	0.61	18.73	36.8	7.54	16.33	0.96	20.09	28.52	10.59	13.23	1.75	20.34	17.59	6.81	22.91
27-09-2024	NA	NA	NA	NA	NA	33.92	95.06	13.09	12.31	0.57	31.51	66.64	8.83	25.61	2.25	28.85	48.37	10.23	8.4	1.73	13.71	51.03	6.75	26.24
28-09-2024	NA	NA	NA	NA	NA	43.79	92.86	12.04	12	0.57	18.18	39.7	7.99	15.2	1.4	27.85	45.03	10.32	8.02	1.7	18.79	36.04	7.29	23.94
29-09-2024	NA	NA	NA	NA	NA	42.19	94.04	10.36	15.04	0.52	23.89	56.88	7.58	13.43	1.19	20.15	36.96	10.4	7.51	1.57	15.29	24.02	6.85	19.71
30-09-2024	NA	NA	NA	NA	NA	47.29	91.08	9.88	13.68	0.75	16.8	34.02	7.46	8.88	0.67	53.34	91.13	10.63	11.34	2.47	24.03	37.03	7.45	22.31
Max (µg/m3)	**0**	**0**	**0**	**0**	**0**	**47**	**96**	**14**	**25**	**1**	**32**	**80**	**9**	**31**	**2**	**60**	**95**	**13**	**13**	**3**	**49**	**93**	**8**	**29**
Min (µg/m3)	**0**	**0**	**0**	**0**	**0**	**1**	**28**	**7**	**11**	**0**	**16**	**26**	**6**	**8**	**0**	**12**	**17**	**9**	**8**	**1**	**9**	**18**	**6**	**18**
Average (µg/m3)	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**23**	**84**	**10**	**15**	**1**	**23**	**51**	**7**	**16**	**1**	**31**	**54**	**11**	**9**	**2**	**25**	**49**	**7**	**22**
Standards	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**	**4**	**60**	**100**	**80**	**80**

Showing NA due to the Aqms station is off because rain water is passing in aqms station

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