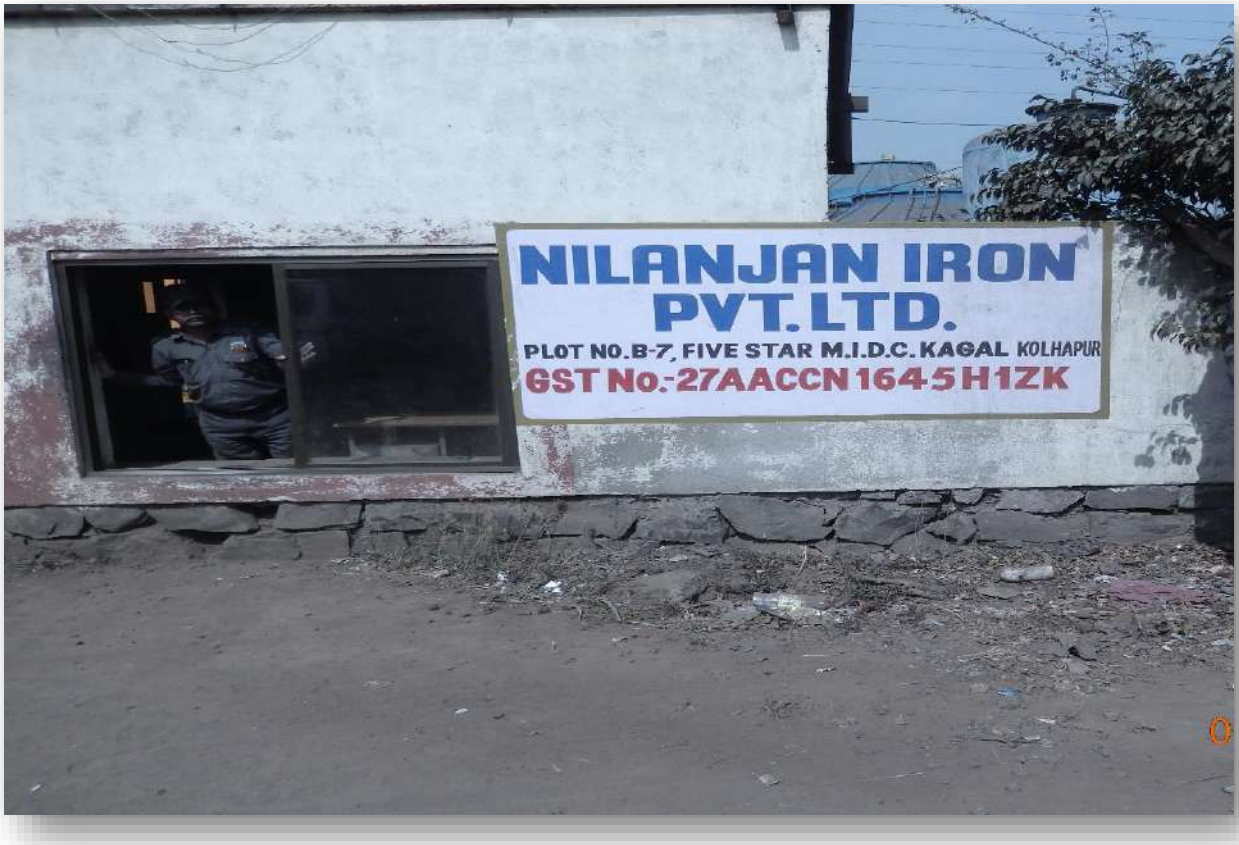
M/S. NILANJAN IRON PVT LTD

SIX MONTHLY POST ENVIRONMENTAL CLEARANCE

COMPLIANCE REPORT

Period of Compliance Reporting:

APRIL TO SEPTEMBER 2025



Submitted By:

M/s. Nilanjan Iron Pvt Ltd

Plot No. B-7,Kagal Five Star MIDC, Kagal, Kolhapur.

CIN No. U27106GA2005PTC013158

Nilanjan Iron Pvt. Ltd.

● Factory : Plot No. B-7, Five Star M.I.D.C., Kagal. Dist. Kolhapur - 416 216
● Reg. Office : 401/402/403/404, 4th Floor, Raghunath Esquire - Pajifond Salcete, Margao, South Goa, Goa, India 403 601
● Mail ID : nilanjan.iron7@gmail.com ● Ph.: 0231 - 6615914

Ref. No.: Date: / /2025

To,

The Regional Officer,

Ministry of Environment, Forest & Climate Change,

Regional Office (WCZ), Ground Floor, East Wing,

New Secretariat Building, Civil Lines,

Nagpur, Maharashtra - 440001

Subject: Submission of Six Monthly Environmental Clearance Compliance for April to September 2025. M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur.

Ref. No.: Your issued EC: SIA/MH/IND/70019/2018 Dated: 21st Apr 2022

Period of EC Compliance: April to September 2025

Dear Sir,

With reference to subject matter above, we are submitting Compliance for obtained Environmental Clearance from State Environment Impact Assessment Authority (SEIAA), Maharashtra to our Project **M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur.** We have received Environmental Clearance from SEIAA, Govt. of Maharashtra, MoEF & CC, New Delhi vide ref. no.: **SIA/MH/IND/70019/2018 Dated: 21st Apr 2022.** We are submitting the EC Compliance for the period of **April to September 2025** for your reference & further needful record.

Request you to kindly acknowledge the same.

Submitted for your kind perusal.

Yours Faithfully,

For M/s. Nilanjan Iron Pvt. Ltd.

M/s. Nilanjan Iron Pvt. Ltd. Kolhapur

Mr. Ankush Singla
Director

Enclosure: EC Compliance with its Annexure

Copy to:

1. The Sub Regional Officer, MPCB, Kolhapur.
2. SEIAA, Mumbai, Maharashtra.
3. RO MPCB, Kolhapur.

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	SIA/MH/IND/70019/2018
Compliance ID	226216178
Compliance Number(For Tracking)	EC/M/COMPLIANCE/226216178/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	07-11-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.

Half Yearly Compliance Report
2025
01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	M/s. Nilanjan Iron Pvt. Ltd. , Proposed Project for Expansion of MS Billet Capacity Production from 100 MTD to 500 MTD at Plot No. B-07, Five Star MIDC, Kagal, Dist.: Kolhapur, Maharashtra
Name of Entity / Corporate Office	Mr. DEVENDRA SINGLA
Village(s)	Halsavade
District	KOLHAPUR

Proposal No.	SIA/MH/IND/70019/2018
Plot / Survey / Khasra No.	B-07
State	MAHARASHTRA
MoEF File No.	SIA/MH/IND/70019/2018

Category	Industrial Projects - 1
Sub-District	Karvir
Entity's PAN	*****1645H
Entity name as per PAN	NILANJAN IRON PRIVATE LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Submission of Six Monthly Environmental Clearance Compliance for April to September 2025. M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur. Ref. No.: Your issued EC: SIA/MH/IND/70019/2018 Dated: 21st Apr 2022
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office Mr. DEVENDRA SINGLA

	Project Area as per EC Granted	Actual Project Area in Possession
Private	1.0174	1.0174
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	1.0174	1.0174

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	MS BILLETS	Others:MT/A	31/12/2028	1,80,000	55560	1,20,000

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	WATER QUALITY MONITORING AND PRESERVATION	PP to ensure that no wastewater is discharged outside the premises.

PPs Submission: Being Complied Noted and complying with. We require water only for cooling; our production activities neither need nor produce any effluent. Domestic wastewater is treated in an on-site Sewage Treatment Plant (STP). The treated water is used for gardening purposes. A photo of the STP plant is included as Annexure - I.	Date: 04/11/2025

2	WASTE MANAGEMENT	PP to ensure that, slag management system is in place before starting manufacturing of proposed product.

PPs Submission: Being Complied Noted and complying with. The slag generated by the process is crushed and then sold to brick manufacturers, as this cycle of transporting the slag happens twice a week.	Date: 04/11/2025

3	Corporate Environmental Responsibility	PP to provide sanitary facilities in the Z.P school in the vicinity of proposed project from their CER funds in consultation with the CEO, Zilla Parishad, Kolhapur.

PPs Submission: Complied Noted and complied. The Corporate Environment Responsibility (CER) plan was submitted by us, which was developed in collaboration with the Chief Executive Officer (CEO) of the Zilla Parishad, Kolhapur District. After the submission of our CER plan, the CEO of the Zilla Parishad provided us with a sanctioned demand letter based on the proposed activities; a copy of this letter is enclosed as Annexure - II.	Date: 04/11/2025

4	ENERGY PRESERVATION MEASURES	PP to provide new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.

PPs Submission: Complied Noted and complied. We have taken steps towards environmental sustainability by equipping our buildings and the nearby streets with solar panels and energy-efficient LED lighting. This initiative is designed to decrease dependence on non-renewable energy sources and encourage sustainable practices.	Date: 04/11/2025

5	MISCELLANEOUS	PP to include water and carbon foot print monitoring in the Environment Management Plan.

PPs Submission: Complied Noted and complied. We have prepared the plan for monitoring, including water and carbon footprint.	Date: 04/11/2025

6	WATER QUALITY MONITORING AND PRESERVATION	PP to provide Sewage Treatment Plant for the treatment of domestic sewage.

PPs Submission: Complied Noted and complied. We have provided a sewage treatment plant with a 10 KLD capacity to treat domestic wastewater; treated water is used for gardening purposes.		Date: 04/11/2025
7	GREENBELT	PP submitted MIDC plan dated 07.01.2021, as per the said plan total plot area of the project is 10,174 m2. PP has provided 3459.16 sqm as green belt (34 percent).
PPs Submission: Complied Noted and agreed. We have a site development plan that has been approved by MIDC. According to the plan, the project's entire plot area is 10,174 square meters. From which 3,459.16 square meters, 34 percent of the plot's total area, is developed for greenbelt, and we have planted native indigenous trees.		Date: 04/11/2025
8	GREENBELT	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, Dated 25th June 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki expert/ arborist.
PPs Submission: Being Complied Noted and complying with. We are working with an arborist and a Miyawaki specialist to plant trees to establish a sustainable greenbelt. We are devoted to planting native and indigenous plants in compliance with the Forest Department's criteria, as specified by the Maharashtra State Government.		Date: 04/11/2025
9	WATER QUALITY MONITORING AND PRESERVATION	PP to ensure that, proposed project is a ZLD unit.
PPs Submission: Being Complied Noted and complying with. Water is solely required for cooling purposes only, which is settled and reused in the cooling process; domestic wastewater is treated in a 10 KLD STP, and treated water is used for gardening.		Date: 04/11/2025
10	WASTE MANAGEMENT	PP strictly observe the Solid Waste Management Rules 2016 as amended time to time.
PPs Submission: Being Complied Noted and complying with. We commit to complying with the Solid Waste Management Rules 2016. The generated slag from the process is crushed, and then we sell it to the brick manufacturer.		Date: 04/11/2025
11	WASTE MANAGEMENT	PP strictly observe the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 as amended time to time.
PPs Submission: Agreed to Comply Noted and agreed to comply.		Date: 04/11/2025
12	AIR QUALITY MONITORING AND PRESERVATION	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time.
PPs Submission: Being Complied Noted and complying with. We are complying with the condition; we installed sprinklers, a dusting system, and a dust collection system to reduce fugitive air pollution. The inner roadways were also concretized, and there was frequent sweeping and housekeeping, as well as the planting of shady plants carried out.		Date: 04/11/2025

13	MISCELLANEOUS	PP ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.

PPs Submission: Agreed to Comply Noted and agreed upon.	Date: 04/11/2025

14	Statutory compliance	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum and Explosive Safety Organization (PESO).

PPs Submission: Agreed to Comply NA	Date: 04/11/2025

15	Statutory compliance	PP to obtain approval and license from the Directorate of Industrial Health and Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.

PPs Submission: Complied Agreed and complied. We have a license from the Directorate of Industrial Health and Safety (DIHS) and have complied with the conditions according to it, we also conduct safety audits as per the Maharashtra Factories Act 1963, copy of the license enclosed as Annexure - III.	Date: 04/11/2025

16	ENERGY PRESERVATION MEASURES	PP to Provide solar energy for illumination of Administrative Building, Street Lights and parking Area.

PPs Submission: Complied Noted and complied. We have installed LED-based lighting in the office and internal roads, and the process area on solar energy to reduce the electricity consumption, a photo of the same is enclosed as Annexure IV.	Date: 04/11/2025

17	MISCELLANEOUS	PP to ensure use of briquettes / bio coal/ pellets or any such suitable product derived from scientific processing of appropriate stream of dry waste/ agricultural waste, not less than 50 percent of the total fuel requirement to the boiler.

PPs Submission: Agreed to Comply Noted and agreed to comply. We have an induction furnace that purely runs on electricity; whenever required, we will comply with the same.	Date: 04/11/2025

18	WATER QUALITY MONITORING AND PRESERVATION	PP to provide roof top Rain Water Harvesting Facility.

PPs Submission: Being Complied Agreed and complying with. Recharge and collection pits are provided.	Date: 04/11/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project proponent shall advertise at least in two local newspaper widely circulated in the region around the project, one of

		which shall be in the Marathi language of the local concerned within seven days of issue of this latter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in
PPs Submission: Complied Noted and Complied. We have given the advertisement in two widely circulated and read local newspapers in the area in both Marathi and English, copy enclosed as Annexure - V.		Date: 04/11/2025
2	Statutory compliance	The project proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The Maharashtra Pollution Control Board, SEIAA and the Regional Office of MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
PPs Submission: Being Complied Noted and complying with. We are regularly uploading the six-monthly EC compliance report along with the monitoring reports to the industry website, and we are submitting hard and soft copies of the six-monthly compliance report on EC conditions regularly, as well as monitoring reports, to the MPCB and soft copies to the respective regional office of the MoEF and CC.		Date: 04/11/2025
3	Statutory compliance	Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and SEIAA.
PPs Submission: Complied Noted and Complied. A separate fund allocated for the implementation of EMP, along with an item-by-item breakdown that will not be diverted to other tasks, and year-end expenditure is being presented to the MPCB and SEIAA. A copy of the EMP budget is enclosed as Annexure - IV.		Date: 04/11/2025
4	Risk Mitigation and Disaster Management	A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
PPs Submission: Complied Noted and Complied. An experienced team of employees has been assigned, which includes an officer responsible for safety and the environment. We have set up a fully functional environment management cell to address all environmental and safety-related problems.		Date: 04/11/2025
5	MISCELLANEOUS	In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment’s is regained.
PPs Submission: Agreed to Comply Noted and agreed to comply. In case of any unwanted incident or failure of any pollution control equipment, we will stop all industrial operations until the equipment is rectified.		Date: 04/11/2025
6	Statutory compliance	PP to strictly follow conditions stipulated in the Consent to Establish/ Operate issued by the Maharashtra Pollution Control Board.
PPs Submission: Agreed to Comply Noted and agreed to comply with. We guarantee that we are adhering to the terms outlined in the		Date:

MPCB consent.			04/11/2025
7	WATER QUALITY MONITORING AND PRESERVATION	PP to provide separate drains for storm water and effluent, and ensure that, the storm water drain are dry all the time and in no case the effluent shall mix with the storm water drain.	
PPs Submission: Complied Noted and complied. We have provided a separate drain line for the Storm water. Effluent is not generated from our industrial operations; we require water for the cooling purpose only, which is settled and reused again for the cooling process. Domestic wastewater is treated in an STP, and treated water is used for gardening.			Date: 04/11/2025
8	WATER QUALITY MONITORING AND PRESERVATION	Periodic monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	
PPs Submission: Being Complied Noted and complying with. We are doing groundwater monitoring as per the schedule given in the EIA report, and results are submitted along with the six-monthly EC compliance report on time to the MPCB and the zonal office of the CPCB.			Date: 04/11/2025
9	Noise Monitoring & Prevention	The overall noise level in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment’s like ear muff and ear plug etc.	
PPs Submission: Complied Noted and complied. We have installed noise control measures in our industry, such as silencers, acoustic enclosures, and greenbelt areas, as well as given personal safety equipment such as earplugs and earmuffs. We perform regular noise monitoring and the findings are within the prescribed limits.			Date: 04/11/2025
10	Risk Mitigation and Disaster Management	Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.	
PPs Submission: Being Complied Being complied. The office building and furnace have a complete firefighting system installed, which includes a fire extinguisher. We are doing everything we can to ensure that the risk area remains contained inside the plant's borders.			Date: 04/11/2025
11	Statutory compliance	PP to scrumptiously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.	
PPs Submission: Being Complied Noted and complying with. We are complying with the conditions as per the Maharashtra Factories Act, 1948 and Rules 1963 as amended time to time.			Date: 04/11/2025
12	Statutory compliance	The Environmental Statement for each financial year ending on 31st March Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.	

PPs Submission: Being Complied Noted and being complied. We are submitting regularly Environmental Statement on time, copy of the same is enclosed as Annexure - VII.	Date: 04/11/2025

Visit Remarks

Last Site Visit Report Date:	N/A
Additional Remarks:	

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.

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), Maharashtra)

To,

The DIRECTOR

M/S NILANJAN IRON PVT LTD

B-7 KAGAL, FIVE STAR MIDC KAGAL, HALSAVADE, KOLHAPUR - 416216

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/IND/70019/2018 dated 14 Dec 2021. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC22B008MH163326**
2.	**File No.**	SIA/MH/IND/70019/2018
3.	**Project Type**	Expansion
4.	**Category**	B1
5.	**Project/Activity including Schedule No.**	3(a) Metallurgical industries (ferrous & non ferrous)
6.	**Name of Project**	M/s.Nilanjan Iron Pvt. Ltd., Plot no. B-07, Five Star MIDC-Kagal, Dist: Kolhapur.
7.	**Name of Company/Organization**	M/S NILANJAN IRON PVT LTD
8.	**Location of Project**	Maharashtra
9.	**TOR Date**	02 Nov 2018

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 21/04/2022

(e-signed)
Manisha Patankar Mhaiskar
Member Secretary
SEIAA - (Maharashtra)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

This is a computer generated cover page.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND/70019/2018
Environment & Climate Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s.Nilanjan Iron Pvt. Ltd.,
B-07, Five Star MIDC-Kagal,
Dist: Kolhapur.

Subject : Environment Clearance for Expansion of MS Billets Production from 100 MTD to 500MTD, at Plot no. B-07, Five Star MIDC-Kagal, Dist: Kolhapur by M/s.Nilanjan Iron Pvt. Ltd.

Reference : Application no. SIA/MH/IND/70019/2018

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in its 178th & 216th meeting under screening category 3(a) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 239th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

1.Name of Project	NILANJAN IRON PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	MR. ANKUSH SINGLA
4.Name of Consultant	--
5.Type of project	FIVE STAR MIDC KAGAL, DIST :KOLHAPUR
6.New project/expansion in existing project/modernization/diversification in existing project	EXPANSION OF EXISTING M.S BILLETS MANUFACTURING PLANT 100 MTD TO 500 MTD (EXPANSION BY 400 MTD)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	YES, EC -2009/CR134/TC2. dated- 09/10/2009 from Environment department GoM.
8.Location of the project	PLOT NO:B-07, FIVE STAR MIDC KAGAL
9.Taluka	KARVEER

10.Village	HALSAWADE
Correspondence Name:	MR. ANKUSH SINGLA
Room Number:	N.A.
Floor:	N.A.
Building Name:	N.A.
Road/Street Name:	N.A.
Locality:	PLOT NO:B-07, FIVE STAR MIDC KAGAL
City:	KOLHAPUR
11.Whether in Corporation /Municipal / other area	FIVE STAR MIDC AREA-KAGAL
12.IOD/IOA/Concession/ Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	PROPOSED EXPANSION ACTIVITY WILL BE START AFTER ENVIRONMENTAL CLEARANCE AND MPCB CONSENT.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	APPROVED MIDC AREA
15.Total Plot Area (sq. m.)	10174.00 SQM
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 21-06-2018
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable.
21.Estimated cost of the project	190000000

22.Number of buildings & its configuration

Serial numbe	Building Name & number	Number of floors	Height of the building (Mtrs)

r			
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	NA		
24.Number of expected residents /users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	TURNING RADIUS 09 METERS.		
29.Existing structure (s) if any	Existing induction furnace shed is available with industry. The induction furnace capacity is 12 MT X 9 heat = 108 MTD. Expansion will be carried out in existing premises of the industry by installing two new induction furnaces will be installed. For expansion project two nos furnaces will be installed. 1) New 20 MT X 13 Heats= 260 MTD (Existing furnace 12 MT replaced with 20 MT) 2) New 20 MT X 12 Heats(1Heat+)=240 MTD, Total: 500 MTD (3-4% will be slag generation in total melting process)		
30.Details of the demolition with disposal (If applicable)	Not applicable		
31.Production Details			

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	MS BILLETS	3000	12000	15000

32.Total Water Requirement		
Dry season:	Source of water	MIDC KAGAL
	Fresh water (CMD):	60 CMD FOR EXISTING PROJECT. 90 WATER FOR PROPOSED PROJECT , THE TOTAL REQUIREMENT OF WATER WILL BE AFTER EXPANSION IS 150 CMD. THE WATER IS MAINLY REQUIRED FOR COOLING PURPOSE IN THE PROCESS, THE EVAPORATION LOSSES WILL BE 60 CMD. THE 60 CMD WATER IS REQUIRED FOR DAILY TOP-UP, THE 90 CMD WATER IS REUSE AFTER COOLING PROCESS.
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	05 CMD
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	60 CMD
	Fire fighting - Underground water tank(CMD):	50 CMD UG TANK WILL BE CONSTRUCTED
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
	Source of water	MIDC KAGAL

Wet season:	**Fresh water (CMD):**	60 CMD WATER FOR EXISTING PROJECT. 90 CMD WATER FOR PROPOSED PROJECT , THE TOTAL REQUIREMENT OF WATER WILL BE AFTER EXPANSION IS 150 CMD. THE WATER IS MAINLY REQUIRED FOR COOLING PURPOSE IN THE PROCESS, THE EVAPORATION LOSSES WILL BE 60 CMD. THE 60 CMD WATER IS REQUIRED FOR DAILY TOP-UP, THE 90 CMD WATER IS REUSE AFTER COOLING PROCESS.
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	05 CMD
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	60 CMD
	Fire fighting - Underground water tank(CMD):	50 CMD UG TANK WILL BE CONSTRUCTED
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	05	03	08	02	01	03	03	02	05
Industrial Process	60	90	150	24	36	60	00	00	00

Fresh water requirement	24	36	60	00	00	00	00	00	00
Gardening	03	02	05	03	02	05	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-15 M BELOW GROUND LEVEL. POST MONSOON 5-10 M BELOW GROUND LEVEL.
	Size and no of RWH tank(s) and Quantity:	TWO NOS OF RAINWATER HARVESTING TANK, NUMBERS OF TANK WILL BE INCREASED IF REQUIRED.
	Location of the RWH tank(s):	WITHIN INDUSTRIAL PREMISES.
	Quantity of recharge pits:	05 NOS RAIN WATER HARVESTING PITS , NUMBERS OF PITS WILL BE INCREASED IF REQUIRED.
	Size of recharge pits :	DETAILS RAIN WATER HARVESTING PLAN WILL BE INCORPORATE IN FINAL EIA REPORT.
	Budgetary allocation (Capital cost) :	RS.600000/-
	Budgetary allocation (O & M cost) :	RS.350000/-
	Details of UGT tanks if any :	1 no : 10 m X 8 M X 3 m
35.Storm water drainage	**Natural water drainage pattern:**	STORM WATER DRAIN SYSTEM WILL BE CONSTRUCTED AROUND THE PLANT
	Quantity of storm water:	1017 m3 based on 100 mm rainfall in an hour
	Size of SWD:	300 mm X 400 mm X 3000 mm

Sewage and Waste water	**Sewage generation in KLD:**	05 KLD
	STP technology:	MBBR TECHNOLOGY
	Capacity of STP (CMD):	10 CMD
	Location & area of the STP:	IN THE PREMISES OF INDUSTRY.

	Budgetary allocation (Capital cost):	Rs.450000/-
	Budgetary allocation (O & M cost):	Rs.150000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction wastedebris:	NA
Waste generationin the operation Phase:	**Dry waste:**	EXISTING SLAG: 3.00 MTD, PROPOSED SLAG GENERATION:12.00 MTD, PROCESS DUST Existing 100 KG/DAY, Proposed 400 KG/DAY.
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Drysludge):	0.1MTA
	Others if any:	NA
Mode of Disposalof waste:	**Dry waste:**	SLAG WILL BE CRUSHED IN SLAG CRUSHER AND IRON WILL BERECOVERED BY MAGNETIC SEPARATOR. REMAINING CRUSHED SLAG USED FOR BRICK MAKING AND OTHER CONSTRUCTION USES.
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Drysludge):	IT WILL USED AS MANURE FOR GARDENING.
	Others if any:	NA
	Location(s):	WITHIN INDUSTRIAL PREMISES.

Area requirement:	**Area for the storageof waste & other material:**	70 SQ. MTR
	Area for machinery:	50 SQ. MTR
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.1500000/-
	O & M cost:	Rs.400000/-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecteres tics	Outlet Effluent Charecteres tics	Effluent discharge standards (MPCB)
1	N A	NA	N A	N A	N A

Amount of effluent generation(CMD):	NA
Capacity of the ETP:	NA
Amount of treated effluentrecycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	WATER WILL BE SETTLED AND COOLED AND WILL BE REUSED FOR COOLINGPURPOSE.
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter(m)	Temp. of Exhaust Gases
1	EXISTING FUME EXTRACTION	ELECTRICITY	1	30	1.6	50-60

2	PROPOSED FUMES EXTRACTION	ELECTRICITY	1	35	1.6	50-60

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	ELECTRICITY	5.00 MW	5.00 MW	10.00 MW

41.Source of Fuel	MSEDCL
42.Mode of Transportation of fuel to site	TRANSMISSION LINE OF MSEDCL

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	00
	Number of trees to be planted :	700
	List of proposed native trees :	NEEM, BABUL, BAKUL, MANGO, AAPTA, BER
	Timeline for completion of plantation :	FOUR YEARS

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	AZATIRECTA INDICA	NEEM	170	SHADY TREE, MEDICINAL USE
2	ACACIA NILOTICA	BABUL	120	SHADY TREE WITH YELLOW FLOWERS
3	MIMUSO PSELENGI	BAKUL	40	SHADY TREE WITH SMALL WHITE FRAGRANT FLOWERS
4	MANGIFERA INDICA	MANGO	150	SHADY TREE
5	BAUHINIA RACEMOSA	AAPTA	70	SMALL TREE WITH SMALL WHITE FLOWERS, BUTTERFLY HOST PLANT

6	ZIZIPHUS MAURITIANA	BER	150	FAST GROWING & HARDY PLANT
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	AMERICAN ALEO	2*2	4
2	BLACK PHYSICNUT	3*3	9
3	GARDEN CROTON	1*1	1
4	CHINA ROSE	2*2	4

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	MSEB 1MW
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	10.00 MW
	During Operation phase (Demand load):	10.00 MW
	Transformer:	YES
	DG set as Power back-up during operation phase:	500 KVA 2 NOS.

	Fuel used:	HSD/LDO
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Nil

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHT USED FOR STREET LIGHT AND IN OFFICE.	AS PER REQUIREMENT.

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
FURNACE (AIR POLLUTION)	FUMES EXTRACTION SYSTEM HOOD FOLLOWED BY VENTURY SCRUBBER TO STACK	FUMES EXTRACTION SYSTEM HOOD FOLLOWED BY VENTURY SCRUBBER TO STACK.
DG SETS(NOISE POLLUTION),	ACOUSTIC ENCLOSURE PROVIDED.	ACOUSTIC ENCLOSURE WILL BE PROVIDED.
DOMESTIC WASTE WATER	SEPTIC TANK WITH SOAK PIT	OSED FOR DOMESTIC WASTE WATER TREATMENT.
SOLID WASTE (SLAG) `	COLLECTION ,SEGREGATION	COLLECTION ,SEGREGATION & CRUSHING

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 2.00 LACS IS ALOCATED FOR LED LIGHTS
	O & M cost:	APP. Rs. 0.25 IS REQUIRED FOR O & M.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	0

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	AIR POLLUTION CONTROL EQUIPMENT	POLLUTION CONTROL EQUIPMENT FOR AIR POLLUTION CONTROL MEASURES	80.00	15.00
2	WATER POLLUTION CONTROL TREATMENT	WATER TREATMENT PLANTS STP WILL BE PROVIDED	03.50	00.80
3	SOLID WASTE MANAGEMENT	SOLID WASTE DISPOSAL & MANAGEMENT INTHE FORM OF MANURE & BRICK MANUFACTURING	15.00	04.00
4	OCCUPATIONAL HEALTH SAFETY MANAGEMENT	SAFETY MEASURESIN RESPECT TO HEALTH FACILITIESWILL BEPROVIDED TO WORKERS	03.00	01.00
5	ENVIRONMENTAL CELL& MONITORING	MANAGEMENT OF ENVIRONMENT BY ENVIRONMENTAL CELL	06.00	03.50
6	GREEN BELT DEVELOPMENT	PLANTATION OF VARIOUS NATIVE & OTHER SPECIES DEVELOPING	03.00	01.00

		THE GREEN BELT		
7	NA	TOTAL	110.50	25.30

51.Storage of chemicals (inflamable/explosive/hazardous/toxicsubstances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	ource of Supply	Means of transportation
NA	NA	NA	00	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	THE AREA EARMARKED FOR THE PARKING IS 1220.00 SQM (ITS 12%OF THE TOTAL PLOT AREA)
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent	NA

	authority:	
	Public Transport:	50-60 TRUCKS
	Width of all Internal roads (m):	THE INTERNAL ROADS WIDTH IS 06.00 METERS.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	3(a)B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 239th (Day-2) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP to ensure that, no waste water is discharged out side the premises.
2. PP to ensure that, slag management system is in place before starting manufacturing of proposed product.
3. PP to provide sanitary facilities in the Z.P.School in the vicinity of proposed project from their CER funds in consultation with the CEO Zilla Parished Kolhapur.
4. PP to provide new and renewable energy for illumination of office buildings , street lights, parking areas and maintain the same regularly.
5. PP to include water and carbon foot print monitoring in the Environment Management

Plan.

6. PP to provide sewage treatment plant for the treatment of domestic sewage.

SEIAA Conditions

1. PP submitted MIDC plan dated 07.01.2021. As per the said plan total plot area of the project is 10,174 sqm. PP has provided 3459.16 sqm as green belt (34%).
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to ensure that, proposed project is a ZLD unit.
4. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
5. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
6. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
7. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
8. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
9. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
10. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
11. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
12. PP to provide roof top Rain Water Harvesting facility.

General Conditions:

I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in

II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1sr December of each calendar year.

III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.

IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.

V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.

VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.

VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.

VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.

X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.

XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.

XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as

per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Manisha Patankar-Mhaiskar
(Member Secretary, SEIAA) 20/4/2022

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Kolhapur.
7. Regional Officer, Maharashtra Pollution Control Board, Kolhapur.

CIN No. U27106GA2005PTC013158

Nilanjan Iron Pvt. Ltd.

- Factory : Plot No. B-7, Five Star M.I.D.C., Kagal. Dist. Kolhapur - 416 216
- Reg. Office : 401/402/403/404, 4th Floor, Raghunath Esquire - Pajifond Salcete, Margao, South Goa, Goa, India 403 601

nilanjan.iron7@gmail.com ☎ 0231 - 2305454

Date: 27/04/2022

To,
The Regional officer,
Maharashtra Pollution Control Board,
Kolhapur. .

Subject: Submission of Environmental Clearance copy granted to our expansion project **M/s. Nilanjan Iron Pvt. Ltd.,** located at Plot No: B - 07, Five Star MIDC- Kagal, Taluka- Karveer, District – Kolhapur, Maharashtra.

Reference: Environmental Clearance granted by Ministry of Environment, Forest and Climate Change. (Issued by the State Environment Impact Assessment Authority (SEIAA) Maharashtra on dated 21/04/2022. EC Identification No:EC22B008MH163326, File No: SIA/MH/IND/70019/2018

Respected Sir,
We, **M/s. Nilanjan Iron Pvt. Ltd.** Hereby bring to notice you that, the Ministry of Environment, Forest and Climate Change (MoEF&CC), SEIAA, Maharashtra has granted "Environmental Clearance" to our proposed expansion of MS Billets: 3000 MTM to 15000 MTM (Expansion by 12000 MTM) at Plot no: B-07, Five Star MIDC- Kagal, Taluka- Karveer, District – Kolhapur, Maharashtra.

The copy of the "Environmental Clearance" is available of PARIVESH Portal. This Environmental clearance letter is available at our office.

We are here submitting granted copy of EC to you for kind perusal.

M/s. Nilanjan Iron Pvt. Ltd.

M/s. Nilanjan Iron Pvt. Ltd. Kolhapur

Director,

Encl: Copy of EC.

28/04/2022
REGIONAL OFFICE
M. P. C. BOARD
YOG BHAVAN
FLOOR NEAR COLLECTOR OFFICE
OLHAPUR - 416 003

O/C

CIN No. U27106GA2005PTC013158

Nilanjan Iron Pvt. Ltd.

- Factory : Plot No. B-7, Five Star M.I.D.C., Kagal. Dist. Kolhapur - 416 216
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nilanjan.iron7@gmail.com ☎ 0231 - 2305454

To,
Date: 27/04/2022

To,
The Sub-Regional officer,
Maharashtra Pollution Control Board,
Kolhapur. .

Subject: Submission of Environmental Clearance copy granted to our expansion project **M/s. Nilanjan Iron Pvt. Ltd.,** located at Plot No: B - 07, Five Star MIDC- Kagal, Taluka- Karveer, District – Kolhapur, Maharashtra.

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The copy of the "Environmental Clearance" is available of PARIVESH Portal. This Environmental clearance letter is available at our office.

We are here submitting granted copy of EC to you for kind perusal.

M/s. Nilanjan Iron Pvt. Ltd.,

M/s. Nilanjan Iron Pvt. Ltd. Kolhapur

Director,

Encl: Copy of EC.

29/04/2022
REGIONAL OFFICE
M. P. C. BOARD
UDYOG BHAVAN
GR. FLOOR NEAR COLLECTOR OFFICE
KOLHAPUR - 416 003

ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

Project Name: Proposed Project for Expansion of MS Billet Capacity Production from 100 MTD to 500 MTD at Plot No. B-07, Five Star MIDC, Kagal, Dist..: Kolhapur, Maharashtra

by

M/S. NILANJAN IRON PVT. LTD.

Category of the Project: 3(a) Metallurgical industries (ferrous & non-ferrous) B_1

EC Identification No.: EC22B008MH163326 Dated: 21st April 2022

File No.: SIA/MH/IND/70019/2018

EC Compliance Period: **APRIL TO SEPT 2025**

S.N	Conditions	Compliance by the industry
	Specific Conditions:	
	SEAC Conditions:	
1	PP to ensure that no wastewater is discharged outside the premises.	**Noted & complying with.** We require water only for cooling; our production activities neither need nor produce any effluent. Domestic wastewater is treated in an on-site Sewage Treatment Plant (STP). The treated water is used for gardening purposes. A photo of the STP plant is included as **Annexure – I.**
2	PP to ensure that, slag management system is in place before starting manufacturing of proposed product.	**Noted & complying with.** The slag generated by the process is crushed and then sold to brick manufacturers, as this cycle of transporting the slag happens twice a week.
3	PP to provide sanitary facilities in the Z.P school in the vicinity of proposed project from their CER funds in consultation with the CEO, Zilla Parishad, Kolhapur.	**Noted & complied.** The Corporate Environment Responsibility (CER) plan was submitted by us, which was developed in collaboration with the Chief Executive Officer (CEO) of the Zilla Parishad, Kolhapur District. After the submission of our CER plan, the CEO of the Zilla Parishad provided us with a sanctioned demand letter based on the proposed activities; a copy of this letter is enclosed as **Annexure - II.**
4	PP to provide new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.	**Noted & complied.** We have taken steps towards environmental sustainability by equipping our buildings and the nearby streets with solar panels and energy-efficient LED lighting. This initiative is designed to decrease dependence on non-renewable energy sources and encourage sustainable practices.

5	PP to include water and carbon footprint monitoring in the Environment Management Plan.	**Noted & complied.** We have prepared the plan for monitoring, including water and carbon footprint.
6	PP to provide Sewage Treatment Plant for the treatment of domestic sewage.	**Noted & complied.** We have provided a sewage treatment plant with a 10 KLD capacity to treat domestic wastewater; treated water is used for gardening purposes.
	SEIAA Conditions:	
1.	PP submitted MIDC plan dated 07.01.2021, as per the said plan total plot area of the project is 10,174 m^2. PP has provided 3459.16 sqm as green belt (34%).	**Noted and agreed.** We have a site development plan that has been approved by MIDC. According to the plan, the project's entire plot area is 10,174 square meters. From which 3,459.16 square meters, 34% of the plot's total area, is developed for greenbelt, and we have planted native indigenous trees.
2.	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, Dated 25th June 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki expert/ arborist.	**Noted and complying with.** We are working with an arborist and a Miyawaki specialist to plant trees to establish a sustainable greenbelt. We are devoted to planting native and indigenous plants in compliance with the Forest Department's criteria, as specified by the Maharashtra State Government.
3.	PP to ensure that, proposed project is a ZLD unit.	**Noted & complying with.** Water is solely required for cooling purposes only, which is settled and reused in the cooling process; domestic wastewater is treated in a 10 KLD STP, and treated water is used for gardening.
4.	PP strictly observe the Solid Waste Management Rules 2016 as amended time to time.	**Noted & complying with.** We commit to complying with the Solid Waste Management Rules 2016. The generated slag from the process is crushed, and then we sell it to the brick manufacturer.
5.	PP strictly observe the Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016 as amended time to time.	**Noted and agreed to comply.**
6.	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986	**Noted and complying with.** We are complying with the condition; we installed sprinklers, a dusting system, and a dust collection system to reduce fugitive air pollution. The inner roadways were also

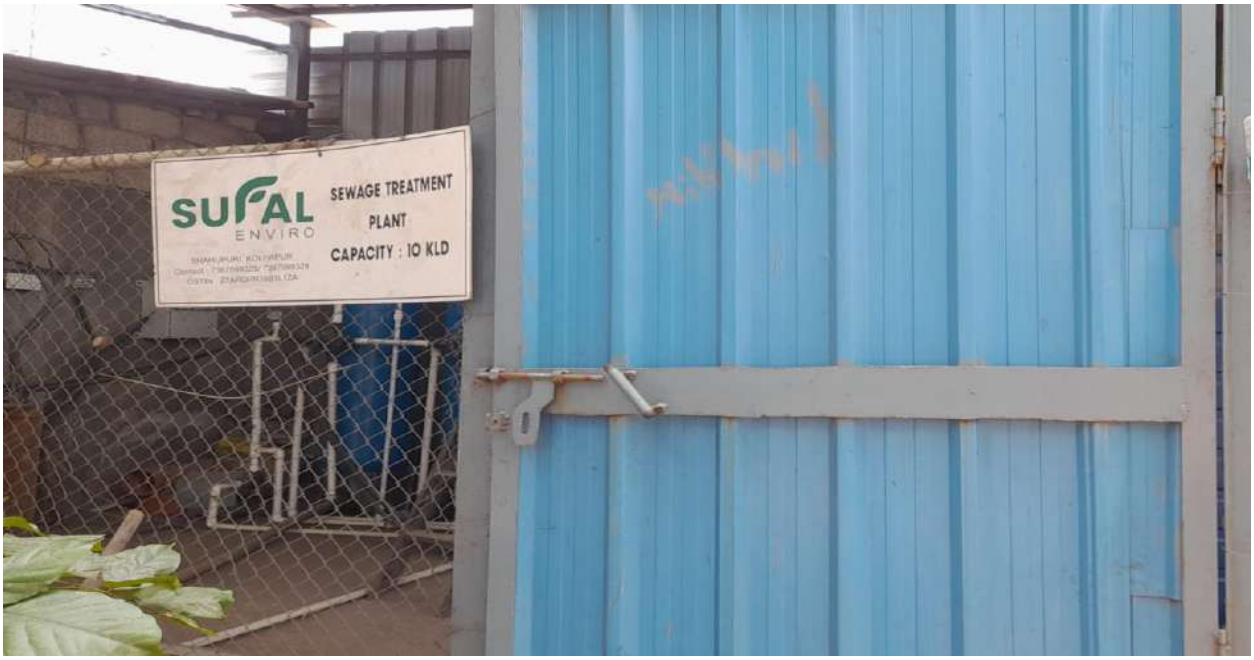
	amended time to time.	concretized, and there was frequent sweeping and housekeeping, as well as the planting of shady plants carried out.
7.	PP ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.	**Noted and agreed upon.**
8.	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).	**NA**
9.	PP to obtain approval and license from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.	**Agreed and complied.** We have a license from the Directorate of Industrial Health & Safety (DIHS) and have complied with the conditions according to it, we also conduct safety audits as per the Maharashtra Factories Act 1963, copy of the license enclosed as **Annexure – III.**
10.	PP to Provide solar energy for illumination of Administrative Building, Street Lights and parking Area.	**Noted & complied.** We have installed LED-based lighting in the office and internal roads, and the process area on solar energy to reduce the electricity consumption, a photo of the same is enclosed as **Annexure – IV.**
11.	PP to ensure use of briquettes / bio coal/ pellets or any such suitable product derived from scientific processing of appropriate stream of dry waste/ agricultural waste, not less than 50% of the total fuel requirement to the boiler.	**Noted and agreed to comply.** We have an induction furnace that purely runs on electricity; whenever required, we will comply with the same.
12.	PP to provide roof top Rain Water Harvesting Facility.	**Agreed and complying with.** Recharge and collection pits are provided.
	General Conditions:	
I	The project proponent shall advertise at least in two local newspaper widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this latter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution	**Noted & Complied.** We have given the advertisement in two widely circulated and read local newspapers in the area in both Marathi and English, copy enclosed as **Annexure – V.**

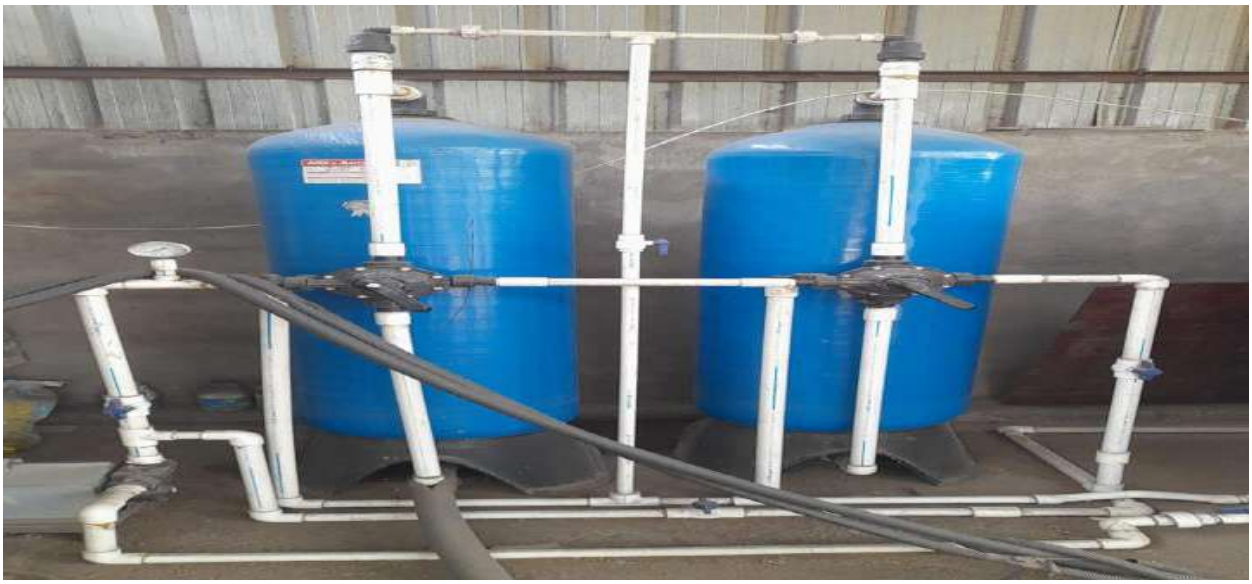
	Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in	
II	The project proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The Maharashtra Pollution Control Board, SEIAA and the Regional Office of MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.	**Noted & complying with.** We are regularly uploading the six-monthly EC compliance report along with the monitoring reports to the industry website, and we are submitting hard and soft copies of the six-monthly compliance report on EC conditions regularly, as well as monitoring reports, to the MPCB and soft copies to the respective regional office of the MoEF&CC.
III	Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and SEIAA.	**Noted & Complied.** A separate fund allocated for the implementation of EMP, along with an item-by-item breakdown that will not be diverted to other tasks, and year-end expenditure is being presented to the MPCB and SEIAA. A copy of the EMP budget is enclosed as **Annexure – VI.**
IV	A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.	**Noted & Complied.** An experienced team of employees has been assigned, which includes an officer responsible for safety and the environment. We have set up a fully functional environment management cell to address all environmental and safety-related problems.
V	In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.	**Noted & agreed to comply.** In case of any unwanted incident or failure of any pollution control equipment, we will stop all industrial operations until the equipment is rectified.
VI	PP to strictly follow conditions stipulated in the Consent to Establish/ Operate issued by the Maharashtra Pollution Control Board.	**Noted &| agreed to comply.** We guarantee that we are adhering to the terms outlined in the MPCB's consent.
VII	PP to provide separate drains for storm water and effluent, and ensure that, the storm water drain are dry all the time and in no case the effluent shall mix with the storm water drain.	**Noted & complied.** We have provided a separate drain line for the Stormwater. Effluent is not generated from our industrial operations; we require water for the cooling purpose only, which is settled and reused again for the cooling process. Domestic wastewater is treated in an STP, and treated water is used for gardening.
VIII	Periodic monitoring of groundwater in the	**Noted & complying with.**

	study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	We are doing groundwater monitoring as per the schedule given in the EIA report, and results are submitted along with the six-monthly EC compliance report on time to the MPCB and the zonal office of the CPCB.
IX	The overall noise level in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.	**Noted and complied.** We have installed noise control measures in our industry, such as silencers, acoustic enclosures, and greenbelt areas, as well as given personal safety equipment such as earplugs and earmuffs. We perform regular noise monitoring and the findings are within the prescribed limits.
X	Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.	**Being complied.** The office building and furnace have a complete firefighting system installed, which includes a fire extinguisher. We are doing everything we can to ensure that the risk area remains contained inside the plant's borders.
XI	PP to scrumptiously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.	**Noted and complying with.** We are complying with the conditions as per the Maharashtra Factories Act, 1948 & Rules 1963 as amended time to time.
XII	The Environmental Statement for each financial year ending on 31st March Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.	**Noted and being complied.** We are submitting regularly Environmental Statement on time, copy of the same is enclosed as **Annexure – VII.**

ANNEXURE -I

SEWAGE TREATMENT PLANT





ANNEXURE -II

अमन मित्तल
भा.प्र.से.
मुख्य कार्यकारी अधिकारी
जिल्हा परिषद, कोल्हापूर

सत्यमेव जयते

कार्यालय : (०२३१) २६५५५९८
निवास : (०२३१) २६००४०६
ईमेल : ceozp.kolhapur@maharashtra.gov.in
वेबसाईट : www.zpkolhapur.gov.in

जा.क्र. /आरोग्य/औ.भां.11/CE/2020
आरोग्य विभाग, जिल्हा परिषद,
कोल्हापूर दिनांक :-20-02-2020

प्रति,

संचालक,
निलांजन आयर्न प्रा. लि. कागल,
एमआयडीसी, कागल

विषय :- औद्योगिक प्रकल्पाच्या प्रास्तविक विस्तारीकरणांतर्गत राबविण्यात येणाऱ्या कॉर्पोरेट पर्यावरणीय जबाबदारी (Corporate Environmental Responsibility) आराखडयास मार्गदर्शन मिळणे बाबत ..

संदर्भ :- आपलेकडील पत्र दिनांक 20-02-2020

उपरोक्त विषयास व संदर्भिय पत्रास अनुसरुन, औद्योगिक प्रकल्पाच्या प्रास्तविक विस्तारीकरणांतर्गत राबविण्यात येणाऱ्या कॉर्पोरेट पर्यावरणीय जबाबदारी (Corporate Environmental Responsibility) आराखडयास अनसरुन रक्कम रुपये पाच लाख अनुदान खर्च करणेबाबत सुचित केले आहे. त्यास अनुसरुन या कार्यालयातंर्गत आपले कार्यक्षेत्रामध्ये कसबा सांगाव, मुडशिंगी, उचगांव, हुपरी, कणेरी ही प्राथमिक आरोग्य केंद्रे कार्यरत आहेत. त्यांचे साठी खालीलप्रमाणे साधन सामुग्रीची आवश्यकता आहे.

अ.क्र.	साधनसामुग्रीचे नांव	शेरा
1	सार्वजनिक आरोग्य केंद्रासाठी सौर वॉटर हीटर	1.00 लाख
2	सौर पथ दिवा	1.00 लाख
3	शौचालय आणि स्नानगृह स्वच्छता (जिल्हा परिषद प्राथमिक शाळा)	3.00 लाख

मुख्य कार्यकारी अधिकारी,
जिल्हा परिषद, कोल्हापूर

ANNEXURE -III

आपली सेवा
आमचे कर्तव्य

सत्यमेव जयते

महाराष्ट्र शासन

औद्योगिक सुरक्षा व आरोग्य संचालनालय (कामगार विभाग)

परवाना क्रं :१०००४५१४

नमूना क्रमांक ४

(नियम ६ व ८ पाहणे)

कारखान्याची नोंदणी व कारखाना चालविण्याचा संबंधीचा परवाना

नोंदणी क्रमांक : १२३००२४१०३००८१७

कारखाने अधिनियम, १९४८ आणि त्यासंबंधी असलेले नियम यांच्या तरतुदीप्रमाणे नीलांजन आइरन प्राईवेट लीमीटेड यांना खाली वर्णन केलेल्या जागेत कारखाना चालविण्यास परवाना देण्यात आला आहे.

या परवान्यान्वये या जागेत कोणत्याही एका दिवशी २५० पर्यंत कामगार लावण्यास आणि २००० पेक्षा जास्त अश्वशक्ति उपयोगात आणण्यास परवानगी आहे.

या परवान्याची मुदत ३१ डिसेंबर २०२४ पर्यंत आहे.

परवान्याचे नुतनीकरण १ जानेवारी २०२५ ते ३१ डिसेंबर २०२८ पर्यंत करण्यात आले आहे.
शुल्क रु. - ४२०००३.६० पोहोचले

दिनांक : ०५-१०-२०२३

Signature valid

सह संचालक
औद्योगिक सुरक्षा व आरोग्य,
महाराष्ट्र राज्य,कोल्हापूर

परवाना दिलेल्या जागेचे वर्णन

परवाना दिलेल्या कारखान्याचे नांव :	**नीलांजन आइरन प्राईवेट लीमीटेड**
Factory Name :	Nilanjan Iron Pvt Ltd
पत्ता :	**प्लाट नं. बी-७,फाईव स्टार**
	एमआईडीसी,कागल,कोल्हापूर,कागल,कोल्हापूर,महाराष्ट्र,४१६२१६
Address :	**Plot No. B-7,Five Star MIDC,Kagal,Kolhapur,Kagal,Kolhapur,MAHARASHTRA,416216**
कलम :	**२(m)(i)**
औद्योगिक वर्गीकरण :	**२४१०३**

कारखान्याच्या इमारतीचे नकाशे दिनांक २०.०४.२०२३ च्या जावक क्रमांक १२३०००००००३१३२३ खाली मंजूर केले गेले आहेत.

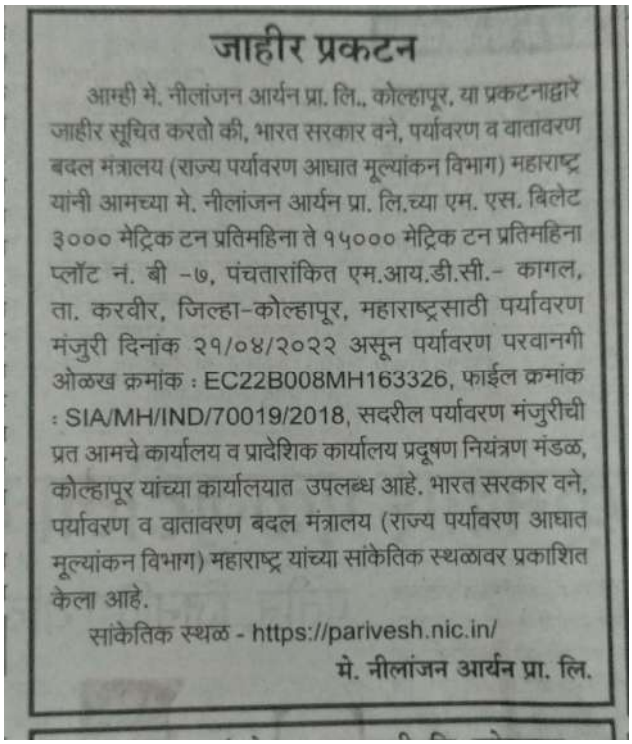
This Certificate is digitally signed by on. 05-10-2023

टिप : हा कारखान्याची नोंदणी व कारखाना चालवण्याचा परवाना आहे. हा परवाना देण्यात आल्यामुळे ज्या जागेत हा कारखाना स्थित आहे, त्या जागेस कोणतीही वैधता आपोआप बहाल होत नाही तसेच ज्या जागेत हा कारखाना स्थित आहे ती जागा आज दिनांक वेळेस अस्तित्वात असल्या संबंधात या परवान्यामुळे कोणताही हक्क व स्वामित्व सदरहू भोगवटदारास प्राप्त होत नाही

ANNEXURE -IV

STREET LIGHTS ON SOLAR

ANNEXURE -V

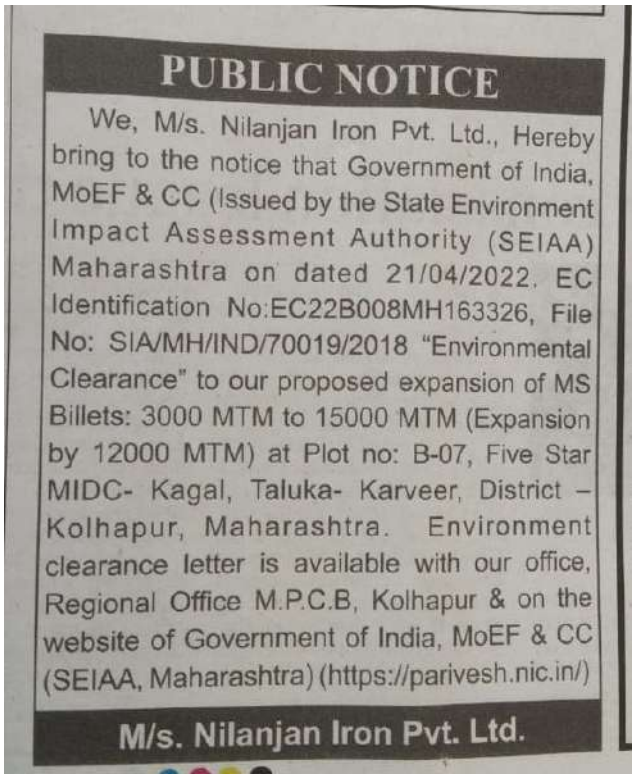


जाहीर प्रकटन

आम्ही मे. नीलांजन आर्यन प्रा. लि., कोल्हापूर, या प्रकटनाद्वारे जाहीर सूचित करतो की, भारत सरकार वने, पर्यावरण व वातावरण बदल मंत्रालय (राज्य पर्यावरण आघात मूल्यांकन विभाग) महाराष्ट्र यांनी आमच्या मे. नीलांजन आर्यन प्रा. लि.च्या एम. एस. बिलेट ३००० मेट्रिक टन प्रतिमहिना ते १५००० मेट्रिक टन प्रतिमहिना प्लॉट नं. बी -७, पंचतारांकित एम.आय.डी.सी.- कागल, ता. करवीर, जिल्हा-कोल्हापूर, महाराष्ट्रसाठी पर्यावरण मंजुरी दिनांक २१/०४/२०२२ असून पर्यावरण परवानगी ओळख क्रमांक : EC22B008MH163326, फाईल क्रमांक : SIA/MH/IND/70019/2018, सदरील पर्यावरण मंजुरीची प्रत आमचे कार्यालय व प्रादेशिक कार्यालय प्रदूषण नियंत्रण मंडळ, कोल्हापूर यांच्या कार्यालयात उपलब्ध आहे. भारत सरकार वने, पर्यावरण व वातावरण बदल मंत्रालय (राज्य पर्यावरण आघात मूल्यांकन विभाग) महाराष्ट्र यांच्या सांकेतिक स्थळावर प्रकाशित केला आहे.

सांकेतिक स्थळ - https://parivesh.nic.in/

मे. नीलांजन आर्यन प्रा. लि.



PUBLIC NOTICE

We, M/s. Nilanjan Iron Pvt. Ltd., Hereby bring to the notice that Government of India, MoEF & CC (Issued by the State Environment Impact Assessment Authority (SEIAA) Maharashtra on dated 21/04/2022. EC Identification No:EC22B008MH163326, File No: SIA/MH/IND/70019/2018 "Environmental Clearance" to our proposed expansion of MS Billets: 3000 MTM to 15000 MTM (Expansion by 12000 MTM) at Plot no: B-07, Five Star MIDC- Kagal, Taluka- Karveer, District – Kolhapur, Maharashtra. Environment clearance letter is available with our office, Regional Office M.P.C.B, Kolhapur & on the website of Government of India, MoEF & CC (SEIAA, Maharashtra) (https://parivesh.nic.in/)

M/s. Nilanjan Iron Pvt. Ltd.

ANNEXURE -VI

Revised Environment Management Plan.

S. No	Environmental Aspect	Capital Expenditure (Rs. Lacs)	Recurring Expenditure (Rs. Lacs)
1	**Air pollution** • **Ventury Scrubber** • **Fumes extraction & Chimney** • **Water Sprinklers**	 **40.0** **20.0** **15.0**	**4.85**
2	**Water Pollution** • **STP (10.0 KLD)** • **Storm Water Drainage repairing & maintenance.**	 **10.00** **2.50**	**1.19**
3	**Greenbelt Development** **(300 Nos sapling will be planted)**	**6.00**	**1.23**
4	**Environmental Monitoring.** **Carbon & Water footprint.**	**6.00** **05.00**	**3.50**
5	**Occupational Health safety Management** • **PPES** • **Health Checkups**	 **2.00** **1.00**	**1.26**
6	**Solid and other Waste Management** • **Slag Management** • **Solid waste Management (Kitchen waste other degradable waste.)**	 **11.00** **4.00**	**4.62**
	Total	**122.50**	**16.65**

ANNEXURE -VII

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000083084	11-09-2025

PART A

Company Information

Company Name	***Application UAN number***
M/S: NILANJAN IRON PVT LTD	MPCB-CONSENT-0000186443

Address

PLOT NO. B-07, KAGAL 5 STAR MIDC, TAL. KAGAL, DIST. KOLHAPUR

Plot no	***Taluka***	***Village***
B-07, KAGAL 5 STAR MIDC	KAGAL	KAGAL
Capital Investment (In lakhs)	***Scale***	***City***
3210	L.S.I	KOLHAPUR
Pincode	***Person Name***	***Designation***
416216	ANKUSH SINGLA	DIRECTOR
Telephone Number	***Fax Number***	***Email***
9970788278	00	nilanjan.iron7@gmail.com
Region	***Industry Category***	***Industry Type***
SRO-Kolhapur	RED	R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	No:- Format1.0/APAE Section/UAN No.MPCBCONSENT-0000186443/CR/2401000471	2024-01-04
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2028-12-31	0	Sep 10 2024 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
MS BILLETS	120000	55560	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
NA	00	00	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	0.00	0.00
Cooling	150.00	110.00
Domestic	8.00	7.90
All others	0.00	0.00
Total	158.00	117.90

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
DOMESTIC	05	4.5	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
MS BILLETS	0.6	0.72	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
MS SCRAP, SPONGE IRON AND OTHER MINERALS	62356.160	61055.735	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
ELECTRICITY	00	59523.75	

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
NA	00	00	00	00	00

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
SPM/TPM	00	43.2	00	100	00
SO2	00	17.8	00	80	00
NOX	00	22.1	00	80	00

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
SLAG	5370.075	5330.863	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
00	00	00	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
0	00	CMD	00`

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
SLAG	5330.863	MT/A	00

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	00	00	00	00	00	00

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
ENVIRONMENTAL COMPLIANCES	O & M OF APC, GREEN BELT DEVELOPMENT	10

Part-I

Any other particulars for improving the quality of the environment.

Particulars

AIR POLLUTION CONTROL SYSTEM IS HIGHLY CONFUGERED AS PER THE DIRECTION OF MPCB AND WE ARE MAINTAINING THE SAME

Name & Designation

ANKUSH SINGLA (DIRECTOR)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000083084

Submitted On:

11-09-2025

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:	***Submitted On:***	***Industry Type :***
MPCB-HW_ANNUAL_RETURN-0000052775	28-04-2025	Generator

Submitted for Year:
2025

1. Name of the generator/operator of facility	***Address of the unit/facility***
M/S. NILANJAN IRON PVT. LTD.,	PLOT NO. B-07,KAGAL 5 STAR MIDC, TAL. KARVEER, DIST. KOLHAPUR

1b. Authorization Number	***Date of issue***	***Date of validity of consent***
Format1.0/APAE Section/UAN No.MPCBCONSENT-0000186443/CR/2401000471	Jan 4, 2024	Dec 31, 2028

2. Name of the authorised person	***Full address of authorised person***
MR. ANKUSH SINGLA	PLOT NO. B-07,KAGAL 5 STAR MIDC, TAL. KARVEER, DIST. KOLHAPUR

Telephone	***Fax***	***Email***
9970788278	00	nilanjan.iron7@gmail.com

3.Production during the year (product wise), wherever applicable

Product Type *	***Product Name ****	***Consented Quantity***	***Actual Quantity***	***UOM***
Iron & Steel	MS BILLETS	120000.0000	55560	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	***Wate Name***	***Consented Quantity***	***Quantity***	***UOM***
Other Hazardous Waste	SLAG	7200.000	5330.863	MTA

2. Quantity dispatched category wise.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
Other Hazardous Waste	5330.863	MTA	0	BY SALE

3. Quantity Utilised in-house,If any

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
	NA	00	KL/Anum

4. Quantity in storage at the end of the year

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
	NA	00	KL/Anum

5. Quantity disposed in landfills as such and after treatment

Type	***Quantity***	***UOM***
Direct landfilling	00	KL/Anum

Landfill after treatment	00	KL/Anum

6. Quantity incinerated (if applicable)	***UOM***
00	KL/Anum

Personal Details

Place	***Date***	***Designation***
KOLHAPUR	2025-04-28	DIRECTOR

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24044532/4024068/4023516
Website: http://mpcb.gov.in
Email: jdair@mpcb.gov.in

Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I (O63)
No:- Format1.0/APAE Section/UAN No.MPCB-CONSENT-0000186443/CR/2401000471

Date: 04/01/2024

To,
M/s. Nilanjan Iron Pvt. Ltd.,
Plot No. B-07,Kagal 5 Star MIDC,
Tal. Karveer, Dist. Kolhapur

Your Service is Our Duty

Sub: Grant of Renewal of Consent to Operate with increased capital investment under Red category.

Ref:
1. Environmental Clearance granted by SEIAA, GoM vide letter No. SIA / MH / IND / 70019 /2018. Dtd. 21/04/2022
2. Earlier Consent to Operate granted by the Board vide no. APAE Section / UAN No. 0000107852 / CO / 2206000821 dtd. 16/06/2022.

Your application No.MPCB-CONSENT-0000186443 Dated 01.11.2023

For: Grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 31/12/2028**
2. **The capital investment of the project is Rs.32.10 Crs. (As per C.A Certificate submitted by industry Existing CI is - Rs. 20.90 Crs + Additional / Increased CI – Rs.11.20 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	MS BILLETS	10000	MT/M

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	0	As per Schedule-I	Not Applicable
2.	Domestic effluent	5.0	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S1	INDUCTION FURNACE (2 Nos.)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	SLAG	20	Ton/D	SLAG CRUSHING	SALE TO BRICK MANUFACTURERS

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
NA					

(Industry shall not generate any Hazardous Waste)

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. The applicant shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
11. The applicant shall not carry out any excess production or produce new products without obtaining Consent of the Board and without obtaining Environmental Clearance wherever it applicable.
12. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SIA/MH/IND/70019/2018. Dtd. 21.04.2022.
13. The applicant shall make an application for Renewal of Consent 60 days prior to date of expiry of the Consent.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	375000.00	TXN2311001963	13/11/2023	Online Payment

As per earlier C to O fees of Rs. 85000/- is balanced with the Board out of which fees of Rs. 50000/- is deducted towards C to E for increased CI, hence fees of Rs. 35000/- is balance with the Board and same will be considered at the time of grant of next Renewal of Consent to Operate.

Copy to:

1. Regional Officer, MPCB, Kolhapur and Sub-Regional Officer, MPCB, Kolhapur
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] Generation - As per your application the treated effluent generation is Nil.
   B] Treatment - NA
   C] Disposal - NA

2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 10.0 CMD

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50
2	BOD 3 days 27°C	Not to exceed	30
3	COD	Not to exceed	100

   C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	150.00
2.	Domestic purpose	8.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	00

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S1	INDUCTION FURNACE (2 nos.)	Primary & roof-top secondary fume extraction system followed by scrubber.	35.00	ELECTRICITY 00 -	-	TPM	150 Mg/Nm^3

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent to Operate	Rs. 5 Lakhs	Already submitted which shall be extended within 15 Days	Towards Operation & Maintenance of Pollution Control System and compliance of consent conditions	Continuous.	30/04/2028.
2	Renewal of Consent to Operate	Rs. 5 Lakhs	Already submitted.	Installation of secondary emission control system to control fugitive emissions	Continuous.	30/04/2028.

The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days from the date of issue of Consent.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
   f) D.G. Set shall be operated only in case of power failure.
   g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.

Neetal Laboratories And Environmental Services Pvt. Ltd.

Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/04/AA/RE/1682**	**Report Issue Date**	**12/04/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 9:40AM of 08/04/2025to 5:40 PM of 08/04/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	09/04/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Project Site	**Dry bulb temperature**	34^0C
Wet bulb temperature	21^0C	**Relative Humidity**	30 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	09/04/2025	**End Date of Analysis**	12/04/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	17.5	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	21.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	67.4	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	38.7	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.4	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	7.34	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.29	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Kalyani

Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

**********End of Report**********

Neetal Laboratories And Environmental Services Pvt. Ltd.

Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/04/AA/RE/1683**	**Report Issue Date**	**12/04/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:50 AM of 08/04/2025to 5:50 PM of 08/04/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	09/04/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Halsavade Village	**Dry bulb temperature**	31^0C
Wet bulb temperature	19^0C	**Relative Humidity**	33 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	09/04/2025	**End Date of Analysis**	12/04/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	18.5	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	21.7	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	66.9	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	40.8	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.2	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.22	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.28	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Kalyani

Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

**********End of Report**********

Neetal Laboratories And Environmental Services Pvt. Ltd.

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Certifications :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/04/AA/RE/1684**	**Report Issue Date**	**12/04/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:00 AM of 08/04/2025to 6:00 PM of 08/04/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	09/04/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Tamgaon	**Dry bulb temperature**	32^0C
Wet bulb temperature	20^0C	**Relative Humidity**	32 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	09/04/2025	**End Date of Analysis**	12/04/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	18.2	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	22.0	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	61.3	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	32.5	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.67	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.87	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.30	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

**********End of Report**********

Neetal Laboratories And Environmental Services Pvt. Ltd.

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Certifications :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/04/AA/RE/1685**	**Report Issue Date**	**12/04/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:10 AM of 08/04/2025to 6:10 PM of 08/04/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	09/04/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Vasagade Village	**Dry bulb temperature**	31^0C
Wet bulb temperature	20^0C	**Relative Humidity**	35 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	09/04/2025	**End Date of Analysis**	12/04/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	15.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	18.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	57.6	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	31.4	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.34	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	7.66	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.20	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
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ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/05/AA/RE/1350**	**Report Issue Date**	**19/05/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 9:50 AM of 14/05/2025to 5:50 PM of 14/05/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	15/05/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Project Site	**Dry bulb temperature**	29^{0}C
Wet bulb temperature	24^{0}C	**Relative Humidity**	66 %
Sampling Procedure	Excell Enviro Services		
Start Date of Analysis	15/05/2025	**End Date of Analysis**	19/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	16.5	µg/m^3	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	20.4	µg/m^3	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	64.3	µg/m^3	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	36.9	µg/m^3	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	12.0	µg/m^3	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	7.5	µg/m^3	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	µg/m^3	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.34	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	µg/m^3	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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(Ms. Kalyani Gore)

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Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/05/AA/RE/1351**	**Report Issue Date**	**19/05/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:00 AM of 14/05/2025to 6:00 PM of 14/05/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	15/05/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Halsavade Village	**Dry bulb temperature**	28^0C
Wet bulb temperature	23^0C	**Relative Humidity**	67 %
Sampling Procedure	Excell Enviro Services		
Start Date of Analysis	15/05/2025	**End Date of Analysis**	19/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	14.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	18.7	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	62.3	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	35.9	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.8	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	7.32	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.30	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

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(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
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Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/05/AA/RE/1352**	**Report Issue Date**	**19/05/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:10 AM of 14/05/2025to 6:10 PM of 14/05/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	15/05/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Tamgaon	**Dry bulb temperature**	30^0C
Wet bulb temperature	24^0C	**Relative Humidity**	62 %
Sampling Procedure	Excell Enviro Services		
Start Date of Analysis	15/05/2025	**End Date of Analysis**	19/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	16.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	18.9	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	59.8	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	33.1	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.5	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	7.43	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.28	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

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Kalyani

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(Ms. Kalyani Gore)

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Abhi

Authorized Signatory
(Mr. Abhishek Tope)

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Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/05/AA/RE/1353**	**Report Issue Date**	**19/05/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:20 AM of 14/05/2025to 6:20 PM of 14/05/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	15/05/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Vasagade Village	**Dry bulb temperature**	29°C
Wet bulb temperature	24°C	**Relative Humidity**	68 %
Sampling Procedure	Excell Enviro Services		
Start Date of Analysis	15/05/2025	**End Date of Analysis**	19/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	14.2	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	17.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	52.6	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	29.9	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.67	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	7.23	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.25	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

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(Ms. Kalyani Gore)

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Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/06/AA/RE/1723**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:00 AM of 19/06/2025to 6:00 PM of 19/06/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	20/06/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Project Site	**Dry bulb temperature**	30^0C
Wet bulb temperature	25^0C	**Relative Humidity**	66 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	15.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	18.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	60.4	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	34.5	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.21	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.77	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.31	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

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(Ms. Kalyani Gore)

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(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/06/AA/RE/1724**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:15AM of 19/06/2025to 6:15 PM of 20/06/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	20/06/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Halsavade Village	**Dry bulb temperature**	29^0C
Wet bulb temperature	24^0C	**Relative Humidity**	65 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	16.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	19.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	58.7	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	31.2	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.56	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.43	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.29	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

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Kalyani

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(Ms. Kalyani Gore)

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Authorized Signatory
(Mr. Abhishek Tope)

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/06/AA/RE/1725**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:30 AM of 19/06/2025 to 6:30 PM of 20/06/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	20/06/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Tamgaon	**Dry bulb temperature**	30^0C
Wet bulb temperature	25^0C	**Relative Humidity**	66 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	14.2	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	17.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	56.6	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	30.2	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	8.45	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.44	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.31	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

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Authorized Signatory
(Mr. Abhishek Tope)

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/06/AA/RE/1726**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:40AM of 14/03/2025to 6:40 PM of 14/03/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	20/06/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Vasagade Village	**Dry bulb temperature**	31°C
Wet bulb temperature	25°C	**Relative Humidity**	63 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	11.5	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	13.2	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	53.3	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	29.8	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	8.65	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	7.34	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.26	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

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(Ms. Kalyani Gore)

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(Mr. Abhishek Tope)

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Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
ISO 9001 : 2015
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TEST REPORT

Report No.	**NLES/25-26/06/AA/RE/1727**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical		
Group	Atmospheric Pollution		
Sub Group	Ambient Noise		
Sample Name	Noise Level Monitoring		
Date of Sampling	19/06/2025		
Method of Sampling	IS 9989: 1981		
Sampling Duration	Spot Noise		
Sampling done by	Excell Enviro Services		

Results

Sr. No.	Location	Average Noise Level Reading dB(A)		Limits as per CPCB guidelines
		Day Time	Night Time	
1	Main Gate	68.7	46.7	Day Time = 75 dB Night Time =70 dB
2	Admin Office	63.2	43.7	

Remark- All above Noise level results are within Central Pollution Control Board Standards limit.

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Reviewed By
(Ms. Kalyani Gore)

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Authorized Signatory
(Mr. Abhishek Tope)

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Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
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ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Stack Emission)

Report No.	**NLES/25-26/06/ST/RE/1811**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Sample Description**	Stack Material: MS
Group	Pollution & Environment.		Stack Height: 35.0 Mtr
Sub Group	Stack Emission		Stack Type: Round
Date of Sampling	19/06/2025	**Sampling Location**	INDUCTION FURNACE STACK
Date of receipt of sample in lab	20/06/2025	**Sampling duration**	30 Min
Sampling done by	Excell Enviro Services	**Sampling Procedure**	CPCB Guideline on methodologies for source emission monitoring
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	57	°C	--	--
2	Differential Pressure	3.1	mm WG		
3	Velocity	6.24	M/s		
4	Dimension of Stack	2.3	Mtr		
5	Stack Area	4.15265	M^2		
6	Gas Volume	1176.5	Nm3/hr		
7	Total Particulate Matter	22.39	mg/Nm3	≤ 150	IS 11255 (Part 1)
8	Sulphur Dioxide (SO_2)	3.91	mg/Nm3	N.S.	IS 11255 (Part 2)
9	Sulphur Dioxide (SO_2)	0.110	Kg/day	N.S.	IS 11255 (Part 2)
10	Oxides of Nitrogen (Nox)	10.14	mg/Nm3	N.S.	IS 11255 (Part 7)

➢ Remark- All above results are well within MPCB Limit. N.S-Not Specified,

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ISO 45001 : 2018

TEST REPORT

Report No:	**NLES/25-26/06/AA/RE/1728**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Sample Name	**Workzone Noise**	**Date of Sampling**	19/06/2025
Sampling done by	Excell Enviro Services		

Results

Sr. No.	Locations	dB(A)	Specifications (The Factories Act 1948, standards)	Method
1.	Furnace Shed	73.2	≤90	CPCB Guideline
2.	Rolling Mill Shed	78.9		

Remark- The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.

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TEST REPORT (Fugitive Emission)

Report No.	**NLES/25-26/06/AA/RE/1729**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 11:20 AM of 19/06/2025
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	20/06/2025
Sub Group	Fugitive Emission	**Sampling Location**	Factory Main Gate
Dry bulb temperature	29°C	**Wet bulb temperature**	24 °C
Relative Humidity	65 %	**Sampling done by**	Excell Enviro Services
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Norms	Methods
1	Suspended Particulate Matter (SPM)	1378.9	$\mu g/m^3$	≤ 2000	IS 5182 (Part 23)
2	Respirable Suspended Particulate Matter (RSPM)	423.9	$\mu g/m^3$	-	IS 5182 (Part 23)
3	Sulphur Dioxide (SO_2)	5.45	$\mu g/m^3$	-	IS 5182 (Part 2)
4	Nitrogen oxides (NO_x)	8.0	$\mu g/m^3$	-	IS 5182 (Part 6)
5	Lead (Pb)	BDL	$\mu g/m^3$	-	Air Sampling and Analysis, 3rd Edition, 2020

Remark- All above results are within Limits., BDL-Below Detection Limit

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Kalyani

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TEST REPORT (Fugitive Emission)

Report No.	**NLES/25-26/06/AA/RE/1730**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 11:30 AM of 19/06/2025
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	20/06/2025
Sub Group	Fugitive Emission	**Sampling Location**	Furnace Shed
Dry bulb temperature	30°C	**Wet bulb temperature**	24 °C
Relative Humidity	62 %	**Sampling done by**	Excell Enviro Services
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Norms	Methods
1	Suspended Particulate Matter (SPM)	1287.9	$\mu g/m^3$	≤ 2000	IS 5182 (Part 23)
2	Respirable Suspended Particulate Matter (RSPM)	413.2	$\mu g/m^3$	-	IS 5182 (Part 23)
3	Sulphur Dioxide (SO_2)	5.3	$\mu g/m^3$	-	IS 5182 (Part 2)
4	Nitrogen oxides (NO_x)	7.5	$\mu g/m^3$	-	IS 5182 (Part 6)
5	Lead (Pb)	BDL	$\mu g/m^3$	-	Air Sampling and Analysis, 3rd Edition, 2020

Remark- All above results are within Limits., BDL-Below Detection Limit

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TEST REPORT (Fugitive Emission)

Report No.	**NLES/25-26/06/AA/RE/1731**	**Report Issue Date**	**24/06/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 11:40 AM of 19/06/2025
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	20/06/2025
Sub Group	Fugitive Emission	**Sampling Location**	Mill Shed
Dry bulb temperature	30°C	**Wet bulb temperature**	24 °C
Relative Humidity	63 %	**Sampling done by**	Excell Enviro Services
Start Date of Analysis	20/06/2025	**End Date of Analysis**	24/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Norms	Methods
1	Suspended Particulate Matter (SPM)	1342.6	$\mu g/m^3$	≤ 2000	IS 5182 (Part 23)
2	Respirable Suspended Particulate Matter (RSPM)	509.8	$\mu g/m^3$	-	IS 5182 (Part 23)
3	Sulphur Dioxide (SO_2)	5.3	$\mu g/m^3$	-	IS 5182 (Part 2)
4	Nitrogen oxides (NO_x)	7.0	$\mu g/m^3$	-	IS 5182 (Part 6)
5	Lead (Pb)	BDL	$\mu g/m^3$	-	Air Sampling and Analysis, 3rd Edition, 2020

Remark- All above results are within Limits., BDL-Below Detection Limit

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Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/07/AA/RE/1443**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 9:20 AM of 10/07/2025to 5:20PM of 10/07/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Project Site	**Dry bulb temperature**	28^0C
Wet bulb temperature	24^0C	**Relative Humidity**	76 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	13.4	µg/m^3	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	19.8	µg/m^3	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	66.7	µg/m^3	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	35.6	µg/m^3	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	11.0	µg/m^3	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.45	µg/m^3	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	µg/m^3	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.29	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	µg/m^3	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Kalyani

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Authorized Signatory
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Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/07/AA/RE/1444**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:30 AM of 10/07/2025to 5:30 PM of 10/07/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Halsavade Village	**Dry bulb temperature**	27^0C
Wet bulb temperature	24^0C	**Relative Humidity**	78 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	15.8	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	18.6	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	63.4	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	33.5	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.2	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.11	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.27	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/07/AA/RE/1445**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:40 AM of 10/07/2025to 5:40 PM of 10/07/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Tamgaon	**Dry bulb temperature**	28^0C
Wet bulb temperature	24^0C	**Relative Humidity**	75 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	13.9	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	15.5	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	60.9	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	34.1	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.1	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.66	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.28	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Kalyani

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(Ms. Kalyani Gore)

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Authorized Signatory
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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/07/AA/RE/1446**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:50 AM of 10/07/2025to 5:50 PM of 10/07/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Vasagade Village	**Dry bulb temperature**	29^{0}C
Wet bulb temperature	24^{0}C	**Relative Humidity**	70 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	13.8	µg/m^3	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	17.6	µg/m^3	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	60.6	µg/m^3	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	30.2	µg/m^3	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.76	µg/m^3	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.12	µg/m^3	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	µg/m^3	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.31	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	µg/m^3	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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(Ms. Kalyani Gore)

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Authorized Signatory
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ISO 45001 : 2018

TEST REPORT

Report No.	**NLES/25-26/07/W/RE/1447**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date of Sample Collection**	10/07/2025
Group	Water	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Surface Water	**Sample Quantity**	02 lit Plastic Can
Sample Description	River Near Vasagade	**Sample Status**	Sealed
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Unit(s)	Results	Methods
PHYSICAL PARAMETERS				
1	Odour	-	Agreeable	IS 3025 Part-5
2	pH at 25^0C	-	7.51	APHA 4500 H+ A, 24th Ed. 2023
3	Turbidity	NTU	0.67	IS 3025 Part-10
4	Total Dissolved Solids	mg/l	511.0	APHA 2540 C, 24th Ed. 2023
5	Ammonical Nitrogen as N	mg/l	0.22	APHA 4500 NH3, 24th Ed. 2023.
6	Calcium (as Ca)	mg/l	53.2	APHA 3500 Ca B, 24th Ed. 2023
7	Chloride (as Cl)	mg/l	80.9	APHA 4500 Cl^- B 24th Ed. 2023
8	Fluoride (as F)	mg/l	0.50	APHA 4500 F^- D 24th Ed. 2023
9	Residual Chlorine as Cl	mg/l	<0.1	IS 3025 Part 26 (Rev.1, RA 2014)
10	Magnesium (as Mg)	mg/l	17.8	APHA 3500 Mg A, 24th Ed. 2023
11	Nitrate (as NO_3)	mg/l	3.23	APHA 4500 NO3- B 24th Ed. 2023
12	Sulphate (as SO_4)	mg/l	38.9	APHA 4500 SO4 E, 24th Ed. 2023
13	Total Alkalinity (as $CaCO_3$)	mg/l	245.6	APHA 2320 B, 24th Ed. 2023
14	Total Hardness (as $CaCO_3$)	mg/l	298.7	APHA 2340 B, 24th Ed. 2023
15	Iron (as Fe)	mg/l	0.45	IS 3025 (Part-02)
16	Colour	Hazen	1.0	IS 3025 (Part-4)

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Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
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Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT

Report No.	**NLES/25-26/07/W/RE/1448**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date of Sample Collection**	10/07/2025
Group	Water	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Surface Water	**Sample Quantity**	02 lit Plastic Can
Sample Description	River Near Pattankodli	**Sample Status**	Sealed
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Unit(s)	Results	Methods
PHYSICAL PARAMETERS				
1	Odour	-	Agreeable	IS 3025 Part-5
2	pH at 25^0C	-	7.21	APHA 4500 H+ A, 24th Ed. 2023
3	Turbidity	NTU	0.68	IS 3025 Part-10
4	Total Dissolved Solids	mg/l	567.0	APHA 2540 C, 24th Ed. 2023
5	Ammonical Nitrogen as N	mg/l	0.25	APHA 4500 NH3, 24th Ed. 2023
6	Calcium (as Ca)	mg/l	57.9	APHA 3500 Ca B, 24th Ed. 2023
7	Chloride (as Cl)	mg/l	78.9	APHA 4500 Cl^- B 24th Ed. 2023
8	Fluoride (as F)	mg/l	0.61	APHA 4500 F^- D 24th Ed. 2023
9	Residual Chlorine as Cl	mg/l	<0.1	IS 3025 Part 26 (Rev.1, RA 2014)
10	Magnesium (as Mg)	mg/l	18.7	APHA 3500 Mg A, 24th Ed. 2023
11	Nitrate (as NO_3)	mg/l	3.21	APHA 4500 NO3- B 24th Ed. 2023
12	Sulphate (as SO_4)	mg/l	41.3	APHA 4500 SO4 E, 24th Ed. 2023
13	Total Alkalinity (as $CaCO_3$)	mg/l	261.3	APHA 2320 B, 24th Ed. 2023
14	Total Hardness (as $CaCO_3$)	mg/l	297.6	APHA 2340 B, 24th Ed. 2023
15	Iron (as Fe)	mg/l	0.60	IS 3025 (Part-02)
16	Colour	Hazen	1.0	IS 3025 (Part-4)

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(Ms. Kalyani Gore)

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Authorized Signatory
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Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT

Report No.	**NLES/25-26/07/W/RE/1449**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date of Sample Collection**	10/07/2025
Group	Water	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Ground Water	**Sample Quantity**	02 lit Plastic Can
Sample Description	Halsavade Village-Borewell Water	**Sample Status**	Sealed
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Unit(s)	Results	Methods
PHYSICAL PARAMETERS				
1	Odour	-	Agreeable	IS 3025 Part-5
2	pH at 25^{0}C	-	7.65	APHA 4500 H+ A, 24th Ed. 2023
3	Turbidity	NTU	0.78	IS 3025 Part-10
4	Total Dissolved Solids	mg/l	568.0	APHA 2540 C, 24th Ed. 2023
5	Ammonical Nitrogen as N	mg/l	0.27	APHA 4500 NH3, 24th Ed. 2023.
6	Calcium (as Ca)	mg/l	82.3	APHA 3500 Ca B, 24th Ed. 2023
7	Chloride (as Cl)	mg/l	93.4	APHA 4500 Cl B, 24th Ed. 2023
8	Fluoride (as F)	mg/l	0.40	APHA 4500 F- D ,24th Ed. 2023
9	Residual Chlorine as Cl	mg/l	<0.1	IS 3025 Part 26 (Rev.1, RA 2014)
10	Magnesium (as Mg)	mg/l	35.6	APHA 3500 Mg A, 24th Ed. 2023
11	Nitrate (as NO_3)	mg/l	3.28	APHA 4500 NO3- B ,24th Ed. 2023
12	Sulphate (as SO_4)	mg/l	57.8	APHA 4500 SO4 E, 24th Ed. 2023
13	Total Alkalinity (as $CaCO_3$)	mg/l	278.9	APHA 2320 B, 24th Ed. 2023
14	Total Hardness (as $CaCO_3$)	mg/l	366.7	APHA 2340 B,24th Ed. 2023
15	Iron (as Fe)	mg/l	0.41	APHA 3500 Fe B ,24th Ed. 2023
16	Colour	Hazen	1.0	IS 3025 (Part-4)
17	Mn (Manganese)	mg/l	<0.10	APHA 3111, 24th Ed. 2023
18	Al (Aluminum)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
19	Cd (Cadmium)	mg/l	<0.001	APHA 3111, 24th Ed. 2023
20	Cr (Chromium)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
21	Cu (Copper)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
22	Ni (Nickel)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
23	Mercury	mg/l	<0.001	APHA 3111, 24th Ed. 2023

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Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
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TEST REPORT

Report No.	**NLES/25-26/07/W/RE/1450**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date of Sample Collection**	10/07/2025
Group	Water	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Ground Water	**Sample Quantity**	02 lit Plastic Can
Sample Description	Tamgaon -Well Water	**Sample Status**	Sealed
Sampling done by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Unit(s)	Results	Methods
PHYSICAL PARAMETERS				
1	Odour	-	Agreeable	IS 3025 Part-5
2	pH at 25^0C	-	7.34	APHA 4500 H+ A, 24th Ed. 2023
3	Turbidity	NTU	0.91	IS 3025 Part-10
4	Total Dissolved Solids	mg/l	623.0	APHA 2540 C, 24th Ed. 2023
5	Ammonical Nitrogen as N	mg/l	0.34	APHA 4500 NH3, 24th Ed. 2023.
6	Calcium (as Ca)	mg/l	91.3	APHA 3500 Ca B, 24th Ed. 2023
7	Chloride (as Cl)	mg/l	102.3	APHA 4500 Cl B, 24th Ed. 2023
8	Fluoride (as F)	mg/l	0.45	APHA 4500 F- D ,24th Ed. 2023
9	Residual Chlorine as Cl	mg/l	<0.1	IS 3025 Part 26 (Rev.1, RA 2014)
10	Magnesium (as Mg)	mg/l	38.9	APHA 3500 Mg A, 24th Ed. 2023
11	Nitrate (as NO_3)	mg/l	4.58	APHA 4500 NO3- B ,24th Ed. 2023
12	Sulphate (as SO_4)	mg/l	62.3	APHA 4500 SO4 E, 24th Ed. 2023
13	Total Alkalinity (as $CaCO_3$)	mg/l	3.1.3	APHA 2320 B, 24th Ed. 2023
14	Total Hardness (as $CaCO_3$)	mg/l	343.2	APHA 2340 B,24th Ed. 2023
15	Iron (as Fe)	mg/l	0.67	APHA 3500 Fe B ,24th Ed. 2023
16	Colour	Hazen	1.0	IS 3025 (Part-4)
17	Mn (Manganese)	mg/l	<0.10	APHA 3111, 24th Ed. 2023
18	Al (Aluminum)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
19	Cd (Cadmium)	mg/l	<0.001	APHA 3111, 24th Ed. 2023
20	Cr (Chromium)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
21	Cu (Copper)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
22	Ni (Nickel)	mg/l	<0.01	APHA 3111, 24th Ed. 2023
23	Mercury	mg/l	<0.001	APHA 3111, 24th Ed. 2023

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Authorized Signatory
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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
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TEST REPORT

Report No.	**NLES/25-26/07/SI/RE/1451**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date of Sample Collection**	10/07/2025
Group	Pollution & Environment	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Soil / Sediments	**Sample Quantity**	01 Kg
Sample Description	Project Site	**Sample Status**	Sealed
Sample Collected by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Units	Results	Methods
1	Colour	--	Black	Manual of Soil Testing
2	pH	--	7.67	Manual of Soil Testing
3	Electrical Conductivity	µs/Cm	467.9	
4	Chloride as Cl^-	mg/Kg	45.6	
5	Sulphate as $SO4^{--}$	mg/Kg	29.8	
6	Iron as Fe	mg/Kg	0.67	
7	Available Sodium as Na	mg/Kg	24.5	FAO, Sec. II-I
8	Available Potassium as K	mg/Kg	22.3	IS :2720 P-17/36
9	Available Phosphorous as PO4	Kg/ha	46.7	IS 14765
10	Calcium as Ca	mg/Kg	24.5	Manual of Soil Testing
11	Magnesium as Mg	mg/Kg	10.4	IS 2720 (Part 26)
12	Water Holding Capacity	%	52.0	IS 14767:
13	Bulk Density	g/cm3	1.33	Manual of Soil Testing
14	Water Content/Moisture	%	1.87	Manual of Soil Testing
15	Texture	--	Clay	Manual of Soil Testing
16	Lead	mg/Kg	0.22	EPA 3050 B

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Kalyani

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
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TEST REPORT

Report No.	**NLES/25-26/07/SI/RE/1452**	**Report Issue Date**	**16/07/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date of Sample Collection**	10/07/2025
Group	Pollution & Environment	**Date of receipt of sample in lab**	11/07/2025
Sub Group	Soil / Sediments	**Sample Quantity**	01 Kg
Sample Description	Halsavade Village	**Sample Status**	Sealed
Sample Collected by	Excell Enviro Services		
Start Date of Analysis	11/07/2025	**End Date of Analysis**	16/07/2025

Results

Sr. No.	Parameters	Units	Results	Methods
1	Colour	--	Black	Manual of Soil Testing
2	pH	--	7.31	Manual of Soil Testing
3	Electrical Conductivity	µs/Cm	461.3	
4	Chloride as Cl^-	mg/Kg	42.1	
5	Sulphate as $SO4^{--}$	mg/Kg	23.4	
6	Iron as Fe	mg/Kg	0.78	
7	Available Sodium as Na	mg/Kg	20.9	FAO, Sec. II-I
8	Available Potassium as K	mg/Kg	20.9	IS :2720 P-17/36
9	Available Phosphorous as PO4	Kg/ha	49.8	IS 14765
10	Calcium as Ca	mg/Kg	21.5	Manual of Soil Testing
11	Magnesium as Mg	mg/Kg	10.8	IS 2720 (Part 26)
12	Water Holding Capacity	%	50.0	IS 14767:
13	Bulk Density	g/cm3	1.22	Manual of Soil Testing
14	Water Content/Moisture	%	0.67	Manual of Soil Testing
15	Texture	--	Clay	Manual of Soil Testing
16	Lead	mg/Kg	0.17	EPA 3050 B

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Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/08/AA/RE/1100**	**Report Issue Date**	**19/08/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 9:15 AM of 13/08/2025to 5:15 PM of 13/08/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	14/08/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Project Site	**Dry bulb temperature**	27^0C
Wet bulb temperature	23^0C	**Relative Humidity**	74 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	14/08/2025	**End Date of Analysis**	19/08/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	13.2	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	18.7	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	58.7	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	34.7	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.2	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.56	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.30	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Kalyani

Reviewed By
(Ms. Kalyani Gore)

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Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
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Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/08/AA/RE/1101**	**Report Issue Date**	**19/08/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:25 AM of 13/08/2025to 5:25 PM of 13/08/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	14/08/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Halsavade Village	**Dry bulb temperature**	28^0C
Wet bulb temperature	24^0C	**Relative Humidity**	73 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	14/08/2025	**End Date of Analysis**	19/08/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	12.9	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	16.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	53.4	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	32.1	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.54	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	6.88	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.32	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/08/AA/RE/1102**	**Report Issue Date**	**19/08/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:35 AM of 13/08/2025to 5:35 PM of 13/08/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	14/08/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Tamgaon	**Dry bulb temperature**	27°C
Wet bulb temperature	24°C	**Relative Humidity**	77 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	14/08/2025	**End Date of Analysis**	19/08/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	10.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	15.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	52.1	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	29.8	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	9.43	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.32	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.22	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/08/AA/RE/1103**	**Report Issue Date**	**19/08/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:45 AM of 13/08/2025to 5:45 PM of 13/08/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	14/08/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Vasagade Village	**Dry bulb temperature**	28^0C
Wet bulb temperature	24^0C	**Relative Humidity**	72 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	14/08/2025	**End Date of Analysis**	19/08/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	10.0	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	14.3	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	50.5	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	27.8	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	8.23	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.65	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.28	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Kalyani

Reviewed By
(Ms. Kalyani Gore)

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(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/09/AA/RE/1466**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:40 AM of 11/09/2025to 5:40 PM of 11/09/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	12/09/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Project Site	**Dry bulb temperature**	29^{0}C
Wet bulb temperature	24^{0}C	**Relative Humidity**	68 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	13.4	µg/m^3	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	16.3	µg/m^3	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	52.5	µg/m^3	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	27.6	µg/m^3	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	13.2	µg/m^3	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.22	µg/m^3	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	µg/m^3	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.36	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	µg/m^3	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/09/AA/RE/1467**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 09:50 AM of 11/09/2025to 6:50 PM of 11/09/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	12/09/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Halsavade Village	**Dry bulb temperature**	29°C
Wet bulb temperature	24°C	**Relative Humidity**	68 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	13.9	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	17.8	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	50.3	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	25.6	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.9	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	8.34	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.31	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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(Ms. Kalyani Gore)

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Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/09/AA/RE/1468**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:00 AM of 11/09/2025to 6:00 PM of 11/09/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	12/09/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Tamgaon	**Dry bulb temperature**	28°C
Wet bulb temperature	23°C	**Relative Humidity**	69 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	11.4	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	14.2	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	52.9	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	27.1	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.0	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.78	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.36	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
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TEST REPORT (Ambient Air)

Report No.	**NLES/25-26/09/AA/RE/1469**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 10:10 AM of 11/09/2025to 6:10 PM of 11/09/2025(8 hrs)
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	12/09/2025
Sub Group	Ambient Air	**Sampling Procedure**	IS 5182 Part 5
Sampling Location	Vasagade Village	**Dry bulb temperature**	29^0C
Wet bulb temperature	24^0C	**Relative Humidity**	66 %
Sampling done by	Excell Enviro Services		
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO_2)	9.8	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO_2)	13.1	$\mu g/m^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM_{10}	48.6	$\mu g/m^3$	≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter $PM_{2.5}$	26.9	$\mu g/m^3$	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O_3)	10.87	$\mu g/m^3$	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH_3)	5.21	$\mu g/m^3$	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)	BDL	$\mu g/m^3$	≤ 01	Air Sampling and Analysis, 3rd Edition, 2020
8	Arsenic (As)	BDL	ng/m^3	≤ 06	
9	Nickel (Ni)	BDL	ng/m^3	≤ 20	
10	Carbon Monoxide (CO)	0.32	mg/m^3	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)	BDL	ng/m^3	≤ 1.0	IS 5182 Part 12
12	Benzene(C_6H_6)	BDL	$\mu g/m^3$	≤ 05	IS 5182 Part 11

Remark- All above results are within National Ambient Air Quality standards.

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Kalyani

Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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TEST REPORT

Report No.	**NLES/25-26/09/NI/RE/1470**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical		
Group	Atmospheric Pollution		
Sub Group	Ambient Noise		
Sample Name	Noise Level Monitoring		
Date of Sampling	11/09/2025		
Method of Sampling	IS 9989: 1981		
Sampling Duration	Spot Noise		
Sampling done by	Excell Enviro Services		

Results

Sr. No.	Location	Average Noise Level Reading dB(A)		Limits as per CPCB guidelines
		Day Time	Night Time	
1	Main Gate	65.4	43.2	Day Time = 75 dB Night Time =70 dB
2	Admin Office	58.9	40.2	

Remark- All above Noise level results are within Central Pollution Control Board Standards limit.

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(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. PUNE

Authorized Signatory
(Mr. Abhishek Tope)

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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

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ISO 9001 : 2015
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TEST REPORT (Stack Emission)

Report No.	**NLES/25-26/09/ST/RE/1907**	**Report Issue Date**	16/09/2025
Name and Address of Customer	**M/s. Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Discipline	Chemical	**Sample Description**	Stack Material: MS
Group	Pollution & Environment.		Stack Height: 35.0 Mtr
Sub Group	Stack Emission		Stack Type: Round
Date of Sampling	11/09/2025	**Sampling Location**	INDUCTION FURNACE STACK
Date of receipt of sample in lab	12/09/2025	**Sampling duration**	30 Min
Sampling done by	Excell Enviro Services	**Sampling Procedure**	CPCB Guideline on methodologies for source emission monitoring
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	59	°C	--	--
2	Differential Pressure	3.5	mm WG		
3	Velocity	6.65	M/s		
4	Dimension of Stack	2.3	Mtr		
5	Stack Area	4.15265	M^2		
6	Gas Volume	1363.7	Nm3/hr		
7	Total Particulate Matter	24.79	mg/Nm3	≤ 150	IS 11255 (Part 1)
8	Sulphur Dioxide (SO_2)	5.13	mg/Nm3	N.S.	IS 11255 (Part 2)
9	Sulphur Dioxide (SO_2)	0.168	Kg/day	N.S.	IS 11255 (Part 2)
10	Oxides of Nitrogen (Nox)	12.49	mg/Nm3	N.S.	IS 11255 (Part 7)

➢ Remark- All above results are well within MPCB Limit. N.S-Not Specified,

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(Ms. Kalyani Gore)

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Authorized Signatory
(Mr. Abhishek Tope)

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TEST REPORT

Report No:	**NLES/25-26/09/NI/RE/1471**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s.Nilanjan Iron Pvt.Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer,Dist-Kolhapur.		
Sample Name	**Workzone Noise**	**Date of Sampling**	11/09/2025
Sampling done by	Excell Enviro Services		

Results

Sr. No.	Locations	dB(A)	Specifications (The Factories Act 1948, standards)	Method
1.	Furnace Shed	77.8	≤90	CPCB Guideline
2.	Rolling Mill Shed	80.9		

Remark- The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.

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(Ms. Kalyani Gore)

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Authorized Signatory
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Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
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TEST REPORT (Fugitive Emission)

Report No.	**NLES/25-26/09/AA/RE/1472**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 11:00 AM of 11/09/2025
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	12/09/2025
Sub Group	Fugitive Emission	**Sampling Location**	Factory Main Gate
Dry bulb temperature	29°C	**Wet bulb temperature**	24 °C
Relative Humidity	67 %	**Sampling done by**	Excell Enviro Services
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Norms	Methods
1	Suspended Particulate Matter (SPM)	1345.6	$\mu g/m^3$	≤ 2000	IS 5182 (Part 23)
2	Respirable Suspended Particulate Matter (RSPM)	456.9	$\mu g/m^3$	-	IS 5182 (Part 23)
3	Sulphur Dioxide (SO_2)	6.11	$\mu g/m^3$	-	IS 5182 (Part 2)
4	Nitrogen oxides (NO_x)	8.1	$\mu g/m^3$	-	IS 5182 (Part 6)
5	Lead (Pb)	BDL	$\mu g/m^3$	-	Air Sampling and Analysis, 3rd Edition, 2020

Remark- All above results are within Limits., BDL-Below Detection Limit

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(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. PUNE

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TEST REPORT (Fugitive Emission)

Report No.	**NLES/25-26/09/AA/RE/1473**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 11:10AM of 11/09/2025
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	12/09/2025
Sub Group	Fugitive Emission	**Sampling Location**	Furnace Shed
Dry bulb temperature	28°C	**Wet bulb temperature**	23°C
Relative Humidity	69 %	**Sampling done by**	Excell Enviro Services
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Norms	Methods
1	Suspended Particulate Matter (SPM)	1278.9	$\mu g/m^3$	≤ 2000	IS 5182 (Part 23)
2	Respirable Suspended Particulate Matter (RSPM)	423.9	$\mu g/m^3$	-	IS 5182 (Part 23)
3	Sulphur Dioxide (SO_2)	5.0	$\mu g/m^3$	-	IS 5182 (Part 2)
4	Nitrogen oxides (NO_x)	6.7	$\mu g/m^3$	-	IS 5182 (Part 6)
5	Lead (Pb)	BDL	$\mu g/m^3$	-	Air Sampling and Analysis, 3rd Edition, 2020

Remark- All above results are within Limits., BDL-Below Detection Limit

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Kalyani

Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

**********End of Report**********

Neetal Laboratories And Environmental Services Pvt. Ltd.

Address : H.NO. 43, SANTOSH NAGAR, WAKI BK., TAL. KHED, DIST. PUNE - 410 501
Website : www.neetalenvirolab.com, Mob. 8669699854 / 52
Email: sales@neetalenvirolab.com / neetalenviro@gmail.com

Certifications :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

TEST REPORT (Fugitive Emission)

Report No.	**NLES/25-26/09/AA/RE/1474**	**Report Issue Date**	**16/09/2025**
Name and Address of Customer	**M/s. Nilanjan Iron Pvt. Ltd.** Plot No. B-07, Kagal 5 Star MIDC, Tal-Karveer, Dist-Kolhapur.		
Discipline	Chemical	**Date & Time of Sampling**	From 11:20 AM of 11/09/2025
Group	Atmospheric Pollution	**Date of receipt of sample in lab**	12/09/2025
Sub Group	Fugitive Emission	**Sampling Location**	Mill Shed
Dry bulb temperature	29°C	**Wet bulb temperature**	24 °C
Relative Humidity	65 %	**Sampling done by**	Excell Enviro Services
Start Date of Analysis	12/09/2025	**End Date of Analysis**	16/09/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Norms	Methods
1	Suspended Particulate Matter (SPM)	1345.8	µg/m^3	≤ 2000	IS 5182 (Part 23)
2	Respirable Suspended Particulate Matter (RSPM)	422.3	µg/m^3	-	IS 5182 (Part 23)
3	Sulphur Dioxide (SO_2)	5.0	µg/m^3	-	IS 5182 (Part 2)
4	Nitrogen oxides (NO_x)	7.1	µg/m^3	-	IS 5182 (Part 6)
5	Lead (Pb)	BDL	µg/m^3	-	Air Sampling and Analysis, 3rd Edition, 2020

Remark- All above results are within Limits., BDL-Below Detection Limit

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Kalyani

Reviewed By
(Ms. Kalyani Gore)

Neetal Laboratories And Environmental Services Pvt. Ltd. ★ PUNE

Authorized Signatory
(Mr. Abhishek Tope)

**********End of Report**********