



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

Ref no:

Date:

To,
The Chief Conservator of Forest.
Ministry of Environment and Forest, Climate Change
Regional Office(WCZ),Ground Floor
East Wing, New Secretariat Building,
Civil Line,Nagpur-440001

Sub: Submission of Six monthly compliance reports for the month of December, 2021.

Dear Sir

This has reference to above subject; we are submitting six monthly compliance reports as per conditions stated in Environmental Clearance.

We are enclosing documents herewith for further reference. Our point wise submission is as under:

- I. Tabular compliance
- II. EC letter
- III. Annexures

We hope submitted details are satisfactory. Kindly acknowledge the same.

Thanking you,

For Nilanjan Iron Pvt Ltd, Plot No. B-07, Kolhapur.

Authorized Signatory.



Copy to: MPCB Regional office

Government of Maharashtra

No.: EC-2009/CR134/TC2

Environment department

Room No. 217, 2nd floor,

Mantralaya Annexe,

Mumbai 400 032

Dated: 9 October, 2009

To,
M/s. Nilanjan Iron Pvt. Ltd
B-7 Five star MIDC Kagal, Kolhapur.

Sub: Proposed steel unit for manufacturing of 3000 MT/Month M.S. Ingot and steel billets at B-7 Five star MIDC Kagal, Kolhapur - Environmental clearance regarding.

Sir,

This has reference to the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee in its 8th meeting & recommended for prior Environment Clearance to State Level Environment Impact Assessment Authority (SEIAA) subject to submission of additional information on the points raised by SEAC. Subsequent information submitted by you, dated 30th September, 2009 has also been considered by State Level Environment Impact Assessment Authority in its 14th meeting held on 30th September, 2009.

2. It is noted that the proposal is for grant of environmental clearance for proposed steel unit for manufacturing of 3000 MT/Month M.S. Ingot and steel billets at B-7 Five star MIDC Kagal, Kolhapur

Project information from documents submitted by you & considered by SEAC & SEIAA is summarized as below:

Name of the Project: Environmental clearance for proposed steel unit for manufacturing of 3000 MT/Month M.S. Ingot and steel billets at B-7 Five star MIDC Kagal, Kolhapur

Project Proponent: M/s. Nilanjan Iron Pvt. Ltd

Location of the project: B-7 Five star MIDC Kagal, Kolhapur.

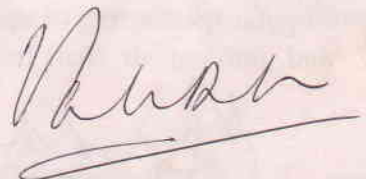
Estimated cost of the project: Rs.15.78 crores

Total plot area: 10,174 sq. m.

Built up Area: 6000 sq. m.

Raw material:

- Sponge iron : 1950 Mt/M
- Pig Iron : 405 Mt/M
- Steel scrap : 900 Mt/M
- Silicon manganese : 75 Mt/M



Product:

- M.S. ingots/steel Billets: 3000 Mt/m

Water Requirement: 85 KLD. Source: MIDC

Sewage & Wastewater generated: Domestic Effluent: 3.0 KLD Septic tanks & soak pits shall be provided. Cooling water is continuously re-circulated and make up water will be added

Solid Waste Generation:

- **Dust / Slag:** 4.5 Mt/Month
- **Scrap :** 300 Mt/m **Disposal :** recycled
- **Domestic waste:** 20 kg/day will be disposed as per MSW guidelines.

Energy: power requirement: 4000 KW power would be require for induction furnace.

Green Belt Development: Area 3360 sq. m. shall be provided. Overall 500 trees shall be planted.

Air pollution control:

- Dust collector along with Fume extraction System & 30 m height chimney will be provided to bring down the particulate emission to less than 100 mg/nm³ to comply with CPCB norms.
- Better sorting /segregation of non metallic (plastic, rubber, PVC) materials if any will done from the scrap in order to avoid it from entering in the process.

Noise pollution control:

- Equipments will be designed to confirm to noise levels prescribed.
- Acoustic barriers or shelters will be provided in noisy workplace.
- Hoods will be provided to noise generating pumps.
- Personnel protective equipments such as earplugs, earmuffs to the workers.

Environmental Management Plan: EMP capital cost Rs. 35 lakhs and O& M Rs. 3.20 Lakhs.

3. The proposal has been considered by SEIAA in its 14th meeting dated on 30th September, 2009 & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

- (i) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- (ii) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
- (iii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (iv) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.
- (v) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (vi) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the project and records shall be



maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.

- (vii) The process emissions and particulate matter from various units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (viii) Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by MPCB.
- (ix) During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- (x) For control of process emissions, stacks of appropriate height as per the CPCB guidelines shall be provided. The scrubbed water shall be sent to the ETP for further treatment.
- (xi) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (xii) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (xiii) The project proponent shall treat the wastewater up the industry specific standards as notified in EPA or as laid down by the MPCB whichever are stringent.
- (xiv) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xv) The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xvi) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xvii) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (xviii) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xix) The solid waste shall be properly collected, segregated and disposed as per the provision of solid waste (Management and Handling) Rules, 2000.
- (xx) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xxi) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xxii) The company shall undertake following Waste Minimization Measures :
 - Metering of quantities of active ingredients to minimize waste.
 - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.



- Use of automated material transfer system to minimize spillage.
 - Use of "Closed Feed" system into batch reactors.
- (xxiii) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xxiv) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxv) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
- (xxvi) The project management 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 clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://envis.maharashtra.gov.in>
- (xxvii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xxviii) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xxix) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xxx) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xxxi) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- (xxxii) The environmental clearance is being issued without prejudice to the 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 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.
4. The Environment department reserves the right 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.



5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years.
6. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA. 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.
7. 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.



(Valsa R Nair Singh)
Secretary, Environment
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.),Chairman, SEIAA,502,Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.
2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.
3. The Secretary, Energy department, Govt. of Maharashtra, Mantralaya, Mumbai - 400032., Maharashtra
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Kolhapur.
7. Collector, Kolhapur.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Director(TC-1), Dy. Secretary(TC-2),Scientist-1,Environment department
10. Select file (TC-3).

EC Conditions.

S.No	CONDITIONS	COMPLIANCE
i.	Consent for Establishment shall be obtained from Maharashtra pollution control board under air and water act and a copy shall be submitted to the Environment department before start of any construction work at the site.	Noted, Maharashtra Pollution Control Board issued consent establish and operate. MPCB issued us consent to operate having reference no: RO/KOLHAPUR/CONSENT /1803003451079/18 issued on dated 07/03/2018 and valid upto 31/12/2023
ii.	No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance form respective authorities.	We agreed upon.
iii.	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	No additional land has been used and activity has been completed within existing land. For existing or proposed activity will be carried out in plot no: B: 07, five stars MIDC Kagal, Dist: Kolhapur.
iv.	Provision shall be made for the housing of Construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking mobile toilets mobile STP safe drinking water medical health care crèche etc the housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed and complied.
v.	For controlling fugitive natural dust regular Sprinkling of water & wind shield at appropriate distances in vulnerable areas of the plant shall be ensured.	Appropriate measures are taken for the Sprinkling of water; sprinkling is being done to control fugitive emissions. All the internal roads are made up of cement concretes. Around the factory green belt is developed to wind shield. Dust Controller & collections system, de-dusting system and dust suppression system like water spraying is provided to control fugitive emissions to meet the MPCB norms.
vi.	Regular monitoring of the air quality including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the project and record shall be maintained the location of monitoring station and frequency of monitoring shall be decided in consultation with Maharashtra pollution	We are regularly checking air quality. Report of the same is incorporated Copy of the monitoring reports is enclosed.
	control board (MPCB) & submitted report Accordingly to MPCB.	

vii.	The process emission and particulate matter from various units shall confirm to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Emissions from the process units are monitored the results are well within the limit. Copy of monitoring reports is enclosed .
viii.	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall confirm to the limits imposed by MPCB	All the internal roads are made up of cement Concretes. Around the factory green belt is developed to wind shield. Dust Controller & collections system, de-dusting system for raw material and dust suppression system like water spraying on road provided to control fugitive emissions to meet the MPCB
ix.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains	Proper precautions are being taken in this regard. The company has constructed RCC drains with proper gradient to look after the issue. There is no mixing of the spillages with
x.	For control of process emissions, stacks of appropriate height as per the CPCB guidelines shall be provided. The scrubbed water shall be sent to the ETP for further treatment.	Agreed and complied, Stack is designed as per CPCB norms. Stack height is 30 meters; scrubbed water is being treated and reused for scrubbing process.
xi.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	We have already constructed rain water harvesting pit to collect surface run off & rain water from rooftops. Installation of Pumps, Pipelines etc for transporting the stored water to raw water reservoir for cooling process in pipeline.
xii.	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of	Industry is located in MIDC hence not bore well is permitted.
	shall be regularly submitted to the Maharashtra Pollution Control Board	
xiii.	The project proponent shall treat the wastewater up the industry specific standards as notified in EPA or as laid down by the MPCB whichever are stringent.	The water is being used for cooling purpose in the process, so that the waste water is not generated, water is being reused after cooling.
xiv.	Leq of noise level shall be maintained as per Standards. For people working in the high noise area, requisite personal protective equipment likes earplugs etc. Shall be provided.	Complying with Workers wearing ear muffs, Helmet and safety equipment. Noise levels are within prescribed standards.

xv.	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environmental (Protection) Act, 1986	All preventive measures are taken to control Noise pollution like Acoustic enclosures Insulation and proper oiling & greasing are done regularly to avoid machine frictions. Noise levels are within prescribed standards.
xvi.	Green belt shall be developed & maintained around the plant periphery. Green Belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Local plant species are planted in premises of the industry.
xvii.	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	The complete firefighting system is provided in furnace and plant premises. The plant operation involves heat /smoke emission so that smoke detection system is not installed.
xviii.	Occupational health surveillance of the Workers shall be done on a regular basis and record maintained as per Factories Act.	Complying with. Medical checkup of the employees is being carried out once in a year and the records are being maintained in Form 07 as per Factories Act.
xix.	The solid waste shall be properly collected, segregated and disposed as per the provision	Complying with The solid waste generated is being suitably disposed off within the premises without
	of solid waste (Management and Handling)	creating any dust nuisance or environmental Contamination.
xx.	The company shall make the arrangement for Protection of possible fire hazards during manufacturing process	We give the training for all employees to be trained in operating fire extinguishers other safety equipments.
xxi.	The project authorization must strictly comply with the rules and regulations with regards to handling and disposal of hazardous wastes in accordance with the hazardous waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collection / treatment /storage /disposal of hazardous Wastes.	We are not generating any type of HW

xxii.	<p>The company shall undertake following Waste Minimization Measures :</p> <ul style="list-style-type: none"> <input type="checkbox"/> Metering of quantities of active ingredients to minimize waste. <input type="checkbox"/> Reuse of byproducts from the process as raw materials or as raw material substitutes in other process. <input type="checkbox"/> Use of automated material transfer system minimizes spillage. <input type="checkbox"/> Use of "Closed feed" system into batch reactors. 	<p>There is no by- product generated in a steel plant. We employ waste minimization practices to the best possible extent.</p> <p>Crane with magnetic/grabber system is employed for transport of raw material in the manufacturing processes.</p>
xxiii.	Regular mock drills for the one –site Emergency management plan shall be carried out. Implementation of changes/ improvements required, if any, in the on–site management plan shall be ensured.	Noted and being implemented.
xxiv.	A separate environment management cell With qualified staff shall be set up for Implementation of the stipulated Environmental safeguards.	Environmental Management cell has been established for the implementation of environmental activities/Plans.
xxv.	Separate funds shall be allocated for Implementation of Environmental protection Measures/EMP along with atom –wise Breaks -up. These cost shall be included as Part of the project cost. the funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise	Funds allocated towards the implementation of Environmental Protection Measures/EMP.
	expenditure should reported to the MPCB & this department;	
xxvi.	The project management 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 clearance letter are available with the Maharashtra pollution control board and many also be seen at website at http://envs.maharashtra.gov.in	<p>Complied.</p> <p>The notice is published in news paper on dated 12/10/2009.</p>

xxvii.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Complying with. We have been submitting Six-monthly Compliance reports regularly after the site visit.
xxviii.	A copy of the clearance letter shall be send By proponent to the concerned municipal Corporation and the local NGO, if any, from whom suggestion/representations, if any were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Noted and Complied.
xxix.	The proponent shall upload the status of Compliance, including result of monitored Data on their website and shall update the Same periodically. It shall simultaneously be send to the regional office of MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely: SPM, RSPM.SO ₂ ,NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted and being implemented.
xxx.	The project proponent shall also submit six Monthly reports on the status of compliance of the stipulated EC conditions including result of monitored data (both in the copies.	Complying with. We have been submitting Six-monthly Compliance reports regularly.
	as well as by e-mail) to the respective regional office of MoEF, the respective	
xxxi.	The environmental statement for each financial year ending 31 st march in from –v as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the environment (protection) rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of company of EC contestation and shall also be sent to the respective regional offices of MoEF by email.	Noted and being implemented. Environmental statement submitted.

xxxii.	The environmental clearance is being issued without prejudice to the 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 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.	Noted.
4	The environmental department reserves the right 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.	Agreed.
5	Validity of Environment clearance: The Environmental clearance for clearance accorded shall be valid a period of 5 years.	The project is implemented within stipulated time of environmental clearance.
6	No further expansion or modification in the plant is carried without prior approval of SEIAA. In case of any division or alteration in the project proposed from that department for clearance, a fresh reference should be made to the department to assess the adequacy of the contestation(s) imposed and to incorporate additional environmental protection measures required, if any.	Agreed.



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000036000

Submitted Date

21-09-2021

PART A

Company Information

Company Name

NILANJAN IRON PVT LTD

Application UAN number

MPCB-CONSENT-0000036072

Address

PLOT NO. B-7, KAGAL FIVE STAR MIDC,
TQ. KAGAL, DIST. KOLHAPUR

Plot no

B-7, KAGAL,MIDC

Taluka

KAGAL

Village

KAGAL

Capital Investment (In lakhs)

1408

Scale

LSI

City

KOLHAPUR

Pincode

416236

Person Name

ANKUSH SINGLA

Designation

DIRECTOR

Telephone Number

9970788278

Fax Number

00

Email

nilanjan.iron7@gmail.com

Region

SRO-Kolhapur

Industry Category

Orange

Industry Type

O63 Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace / basic oxygen furnace /hot rolling reheated furnace

Last Environmental statement submitted online

yes

Consent Number

RO-KOLHAPUR/CONSENT/1803000346/079/18

Consent Issue Date

07-03-2018

Consent Valid Upto

31-12-2023

Establishment Year

0

Date of last environment statement submitted

Sep 29 2020 12:00:00:000AM

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

Product Information

Product Name

M.S INGOTS/STEEL BILLETS

Consent Quantity

36000

Actual Quantity

29706

UOM

MT/A

By-product Information

By Product Name

NA

Consent Quantity

00

Actual Quantity

00

UOM

MT/A

Part-B (Water & Raw Material Consumption)

<u>1) Water Consumption in m3/day</u>		
Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	00.00	0.00
Cooling	60.00	56.00
Domestic	05.00	3.50
All others	00.00	0.00
Total	65.00	59.50

<u>2) Effluent Generation in CMD / MLD</u>			
Particulars	Consent Quantity	Actual Quantity	UOM
NA	00	00	CMD

<u>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</u>				
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM	
M.S INGOTS/STEEL BILLETS	0.6	0.5	CMD	

<u>3) Raw Material Consumption (Consumption of raw material per unit of product)</u>				
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM	
MS SCRAP, SPONG IRON, PIG IRON	36107	33222.617	MT/A	

<u>4) Fuel Consumption</u>			
Fuel Name	Consent quantity	Actual Quantity	UOM
ELECTRICITY	00	39842.895	Mwh

Part-C

<u>Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)</u>					
<u>[A] Water</u>					
Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	00	00	00	00	00

<u>[B] Air (Stack)</u>					
Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SPM/TPM	00	62	00	150	00
SO2`	00	39	00	80	00

Part-D

<u>HAZARDOUS WASTES</u>			
<u>1) From Process</u>			
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM

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	3251	3516	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	3516	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)
GREEN BELT DEVELOPMENT	PLANTATION	0.5

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

UP GRADATION IN APC

Environmental Protection Measures

ADQUATE POLUTION CONTROL SYSTEM INSTALLED AND
DAY BY DAY UPGRADATION TAKES PLACE

Capital Investment (Lacks)

75

Part-I

Any other particulars for improving the quality of the environment.

Particulars

ADQUATE POLUTION CONTROL SYSTEM INSTALLED AND DAY BY DAY UPGRADATION TAKES PLACE, INDUSTRY ALSO MAINTAINING THE GREEN BELT AREA AS PER DIRECTION

Name & Designation

ANKUSH SINGLA (DIRECTOR)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000036000

Submitted On:

21-09-2021

Excellent Enviro Laboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center)

REGISTERED OFFICE : D-52/18, MIDC Waluj, Aurangabad - 431 136. ☎0240-6641879 • 9970429991 / 7745069991

Email : eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

AMBIENT AIR QUALITY MONITORING REPORT

Client's Name & Address		Report No.	EEL/ABD/A-186/03/2021-22	
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.		Date	09/03/2021	
		Date Of Sampling	03/03/2021	
		Time Of Sampling	10:00 AM	
		Sampling Duration	24 Hrs.	
		Date of Analysis	05/03/2021	
		Sample Collected By	EELRC	
Sample volume	SO ₂ (Plastic bottle)	NO ₂ (Plastic bottle)	PM10 (Filter paper)	PM2.5 (Filter paper)
	30ml x1 No.	30ml x1 No.	1X1 No.	1X1 No.

RESULTS

Sr. No	Description	Unit	Main Gate	Furnace shed	Rolling mill area	NAAQ 2009 Standards
01	Ambient Temperature	°C	33	34	31	
02	Dry Bulb Temperature	°C	34	35	34	
03	Wet Bulb Temperature	°C	32	33	32	
04	Relative Humidity	% RH	29	30	28	
05	PM 10	µg/m ³	30.9	36.1	35.8	100
06	PM 2.5	µg/m ³	18.4	18.6	13.2	60
07	Sulphur Dioxide	µg/m ³	17.5	17.3	26.1	80
08	Oxides of Nitrogen	µg/m ³	27.9	26.4	24.2	80
09	Carbon Monoxide	mg/m ³	0.06	0.06	0.06	≤ 02
10	Lead	µg/m ³	<0.05	<0.05	<0.05	≤ 1.0
11	Ammonia	µg/m ³	10.8	11.8	15.7	≤ 400
12	Benzene	µg/m ³	<0.02	<0.02	<0.02	≤ 05
13	Benzopyrene	µg/m ³	<0.002	<0.002	<0.002	≤ 01
14	Nickel	µg/m ³	<0.007	<0.007	<0.007	≤ 20
15	Arsenic	µg/m ³	<0.03	<0.03	<0.03	≤ 06
16	Ozone	µg/m ³	13.0	10.8	11.0	≤ 180

REMARKS/ OBSERVATIONS:

- All above results are within the limit National Ambient Air Quality Standards.
- BDL: Below Detection Limit.

ANALYZED BY- 	AUTHORIZED SIGNATORY - 
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AN "ENVIRONMENTAL LABORATORY"

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AMBIENT NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/N-187/03/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	09/03/2021
	Date Of Sampling	03/03/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Main Gate	dB(A)	73.0	68.9
2.	Furnace Shed	dB(A)	63.1	50.1
3.	Green Belt area	dB(A)	67.2	52.0

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

 ANALYZED BY-	 AUTHORIZED SIGNATORY
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WORKZONE NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/N-188/03/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	09/03/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	03/03/2021
Kagal, Kolhapur-416216.	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Furnace Shed	dB(A)	65.5	57.8
2.	Casting Area	dB(A)	68.6	52.1
3.	Raw material handling unit	dB(A)	66.2	51.4

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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SOURCE EMISSION MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/S-189/03/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	09/03/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	03/03/2021
Kagal, Kolhapur-416216.	Time Of Sampling	11:00 am
	Sampling Duration	30 Min
	Date of Analysis	05/03/2021
	Test Location	Furnace

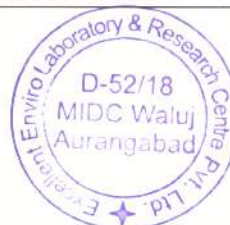
RESULTS

Sr. No.	Description	Unit	Results	As per MPCB
01	Material of Stack		MS	
02	Stack Height from G.L.	Mtr.	30	
03	Type of Stack		Round	
04	Flue Gas Temperature	°C	70	
05	Differential Pressure	MmWG	1.40	
06	Velocity	M/s	6.23	
07	Dimensions of Stack	Mtr.	0.8	
08	Stack Area	M ²	1	
09	Gas Volume	Nm ³ /Hr	3225	
10	Particulate Matter	mg/Nm ³	65	150
11	SO ₂	Ppm	33	80
12	NO _x	Ppm	36	80

REMARKS/ OBSERVATIONS:

All Above Results are within limits as per MPCB.

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WATER ANALYSIS COMPILE REPORT

Client's Name & Address	Report No.	EEL/ABD/WW-190/03/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	09/03/2021
	Date Of Sampling	03/03/2021
	Nature Of Sample	Liquid
	Sample Collected By	EELRC
	Date of Analysis	05/03/2021
	Volume of Sample	2lit x 1 No. (Plastic Bag)

RESULTS

Sr. No	Parameters	Surface water (Project site)	Ground water (Halsavade)	Standards (IS 10500:2012)	Units
1.	Colour	0.8	0.7		
2.	Temperature	32	30	-	°C
3.	Turbidity	0.60	0.51	1	NTU
4.	pH	7.5	7.1	6.5-8.5	---
5.	Conductivity	1468	1677	-	mS/cm
6.	TDS	334	245	500	mg/l
7.	Dissolved Oxygen	2.9	0.52	-	mg/l
8.	Total Hardness	153	153	200	mg/l
9.	Ca-Hardness	26	63		mg/l
10.	Calcium as Ca ²⁺	39	24	75	mg/l
11.	Magnesium as Mg ²⁺	22.0	18.0	30	mg/l
12.	Chlorides	153	163	250	mg/l
13.	Total Alkalinity	130	176	200	mg/l
14.	Phenolphthalein Alkalinity	Absent	Absent		mg/l
15.	Ammonical Nitrogen	Absent	Absent	-	mg/l
16.	Sulphate	32	22	200	mg/l
17.	Nitrites	1.53	2.38	-	mg/l
18.	Phosphate	3.98	6.75	-	mg/l
19.	Fluoride	0.09	0.04	1.0	mg/l
20.	Sodium	0.05	0.05	-	mg/l
21.	Potassium	0.07	0.08	-	mg/l
22.	COD	63	77	-	mg/l
23.	BOD	05	07	-	mg/l
24.	MPN	Nil	Nil	00	Org/dl
25.	F. coli.		-	Absent	Org/dl

Note: All the parameters are within permissible limit as per IS - 10500 Standards, BDL - Below Detection Limit.

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AMBIENT AIR QUALITY MONITORING REPORT

Client's Name & Address		Report No.	EEL/ABD/A-191/04/2021-22	
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.		Date	17/04/2021	
		Date Of Sampling	12/04/2021	
		Time Of Sampling	11:00 AM	
		Sampling Duration	24 Hrs.	
		Date of Analysis	14/04/2021	
		Sample Collected By	EELRC	
Sample volume	SO ₂ (Plastic bottle)	NO ₂ (Plastic bottle)	PM10 (Filter paper)	PM2.5 (Filter paper)
	30ml x1 No.	30ml x1 No.	1X1 No.	1X1 No.

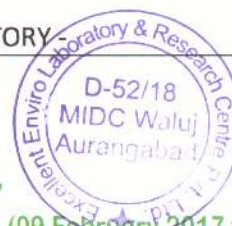
RESULTS

Sr. No	Description	Unit	Main Gate	Furnace shed	Rolling mill area	NAAQ 2009 Standards
01	Ambient Temperature	°C	40	36	39	
02	Dry Bulb Temperature	°C	36	41	38	
03	Wet Bulb Temperature	°C	38	39	40	
04	Relative Humidity	% RH	28	29	32	
05	PM 10	µg/m ³	36.2	28	30	100
06	PM 2.5	µg/m ³	27.4	20.6	29.2	60
07	Sulphur Dioxide	µg/m ³	26.5	15.3	22.1	80
08	Oxides of Nitrogen	µg/m ³	13.7	13.5	14.0	80
09	Carbon Monoxide	mg/m ³	0.05	0.05	0.05	≤ 02
10	Lead	µg/m ³	<0.06	<0.06	<0.06	≤ 1.0
11	Ammonia	µg/m ³	10.0	12.8	14.0	≤ 400
12	Benzene	µg/m ³	<0.02	<0.02	<0.02	≤ 05
13	Benzopyrene	µg/m ³	<0.002	<0.002	<0.002	≤ 01
14	Nickel	µg/m ³	<0.007	<0.007	<0.007	≤ 20
15	Arsenic	µg/m ³	<0.03	<0.03	<0.03	≤ 06
16	Ozone	µg/m ³	8.0	10.0	11.0	≤ 180

REMARKS/ OBSERVATIONS:

- All above results are within the limit National Ambient Air Quality Standards.
- BDL: Below Detection Limit.

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AMBIENT NOISE LEVEL MONITORING REPORT


Client's Name & Address	Report No.	EEL/ABD/N-192/04/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	17/04/2021
	Date Of Sampling	12/04/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Main Gate	dB(A)	73.0	60.5
2.	Furnace Shed	dB(A)	68.2	56.1
3.	Green Belt area	dB(A)	62.4	57.5

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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WORKZONE NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/N-193/04/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	17/04/2021
	Date Of Sampling	12/04/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Furnace Shed	dB(A)	69.5	59.2
2.	Casting Area	dB(A)	67.2	55.4
3.	Raw material handling unit	dB(A)	63.7	53.1

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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SOURCE EMISSION MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/S-194/04/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	17/04/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	12/04/2021
Kagal, Kolhapur-416216.	Time Of Sampling	10:15 am
	Sampling Duration	30 Min
	Date of Analysis	14/04/2021
	Test Location	Furnace

RESULTS

Sr. No.	Description	Unit	Results	As per MPCB
01	Material of Stack		MS	
02	Stack Height from G.L.	Mtr.	30	
03	Type of Stack		Round	
04	Flue Gas Temperature	°C	71	
05	Differential Pressure	MmWG	1.40	
06	Velocity	M/s	6.23	
07	Dimensions of Stack	Mtr.	0.8	
08	Stack Area	M ²	1	
09	Gas Volume	Nm ³ /Hr	3225	
10	Particulate Matter	mg/Nm ³	66	150
11	SO ₂	Ppm	33	80
12	NO _x	Ppm	28	80

REMARKS/ OBSERVATIONS:

All Above Results are within limits as per MPCB.

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WATER ANALYSIS COMPILE REPORT

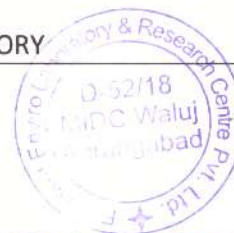
Client's Name & Address	Report No.	EEL/ABD/WW-195/04/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	17/04/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	12/04/2021
Kagal, Kolhapur-416216.	Nature Of Sample	Liquid
	Sample Collected By	EELRC
	Date of Analysis	14/04/2021
	Volume of Sample	2lit x 1 No. (Plastic Bag)

RESULTS

Sr. No	Parameters	Surface water (Project site)	Ground water (Halsavade)	Standards (IS 10500:2012)	Units
1.	Colour	0.8	0.7		
2.	Temperature	32	29	-	°C
3.	Turbidity	0.78	0.67	1	NTU
4.	pH	7.9	7.2	6.5-8.5	---
5.	Conductivity	1704	1435	-	mS/cm
6.	TDS	202	241	500	mg/l
7.	Dissolved Oxygen	3.09	1.52	-	mg/l
8.	Total Hardness	116	125	200	mg/l
9.	Ca-Hardness	72	52		mg/l
10.	Calcium as Ca ²⁺	29	53	75	mg/l
11.	Magnesium as Mg ²⁺	23.1	39.3	30	mg/l
12.	Chlorides	156	144	250	mg/l
13.	Total Alkalinity	144	143	200	mg/l
14.	Phenolphthalein Alkalinity	Absent	Absent		mg/l
15.	Ammonical Nitrogen	Absent	Absent	-	mg/l
16.	Sulphate	37	67	200	mg/l
17.	Nitrites	1.44	1.38	-	mg/l
18.	Phosphate	0.96	3.0	-	mg/l
19.	Fluoride	0.75	0.79	1.0	mg/l
20.	Sodium	0.08	0.09	-	mg/l
21.	Potassium	0.03	0.03	-	mg/l
22.	COD	61	36	-	mg/l
23.	BOD	06	02	-	mg/l
24.	MPN	Nil	Nil	00	Org/dl
25.	F. coli.		-	Absent	Org/dl

Note: All the parameters are within permissible limit as per IS - 10500 Standards, BDL - Below Detection Limit.

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AMBIENT AIR QUALITY MONITORING REPORT

Client's Name & Address		Report No.	EEL/ABD/A-196/05/2021-22	
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.		Date	18/05/2021	
		Date Of Sampling	13/05/2021	
		Time Of Sampling	11:10 AM	
		Sampling Duration	24 Hrs.	
		Date of Analysis	15/05/2021	
		Sample Collected By	EELRC	
Sample volume	SO ₂ (Plastic bottle)	NO ₂ (Plastic bottle)	PM10 (Filter paper)	PM2.5 (Filter paper)
	30ml x1 No.	30ml x1 No.	1X1 No.	1X1 No.

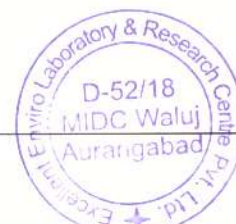
RESULTS

Sr. No	Description	Unit	Main Gate	Furnace shed	Rolling mill area	NAAQ 2009 Standards
01	Ambient Temperature	°C	42	40	42	
02	Dry Bulb Temperature	°C	41	43	40	
03	Wet Bulb Temperature	°C	42	40	39	
04	Relative Humidity	% RH	33	31	32	
05	PM 10	µg/m ³	41.4	38.2	42.7	100
06	PM 2.5	µg/m ³	07.9	11.4	16.2	60
07	Sulphur Dioxide	µg/m ³	17.5	19.7	28.1	80
08	Oxides of Nitrogen	µg/m ³	28.9	29.4	23.2	80
09	Carbon Monoxide	mg/m ³	0.06	0.06	0.06	≤ 02
10	Lead	µg/m ³	<0.06	<0.06	<0.06	≤ 1.0
11	Ammonia	µg/m ³	12.8	11.8	15.7	≤ 400
12	Benzene	µg/m ³	<0.02	<0.02	<0.02	≤ 05
13	Benzopyrene	µg/m ³	<0.002	<0.002	<0.002	≤ 01
14	Nickel	µg/m ³	<0.007	<0.007	<0.007	≤ 20
15	Arsenic	µg/m ³	<0.03	<0.03	<0.03	≤ 06
16	Ozone	µg/m ³	14.0	15.2	19.0	≤ 180

REMARKS/ OBSERVATIONS:

- All above results are within the limit National Ambient Air Quality Standards.
- BDL: Below Detection Limit.

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AMBIENT NOISE LEVEL MONITORING REPORT

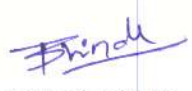

Client's Name & Address	Report No.	EEL/ABD/N-197/05/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	18/05/2021
	Date Of Sampling	13/05/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Main Gate	dB(A)	72.8	66.0
2.	Furnace Shed	dB(A)	69.4	68.8
3.	Green Belt area	dB(A)	66.7	58.4

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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WORKZONE NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/N-198/05/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	18/05/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	13/05/2021
Kagal, Kolhapur-416216.	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Furnace Shed	dB(A)	67.5	57.9
2.	Casting Area	dB(A)	74.3	55.0
3.	Raw material handling unit	dB(A)	68.0	50.4

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits: MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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SOURCE EMISSION MONITORING REPORT



Client's Name & Address	Report No.	EEL/ABD/S-199/05/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	18/05/2021
	Date Of Sampling	13/05/2021
	Time Of Sampling	11:00 am
	Sampling Duration	30 Min
	Date of Analysis	15/05/2021
	Test Location	Furnace

RESULTS

Sr. No.	Description	Unit	Results	As per MPCB
01	Material of Stack		MS	
02	Stack Height from G.L.	Mtr.	30	
03	Type of Stack		Round	
04	Flue Gas Temperature	°C	71	
05	Differential Pressure	MmWG	1.40	
06	Velocity	M/s	6.23	
07	Dimensions of Stack	Mtr.	0.8	
08	Stack Area	M ²	1	
09	Gas Volume	Nm ³ /Hr	3225	
10	Particulate Matter	mg/Nm ³	64	150
11	SO ₂	Ppm	33	80
12	NOx	Ppm	27	80

REMARKS/ OBSERVATIONS:

All Above Results are within limits as per MPCB.

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WATER ANALYSIS COMPILE REPORT

Client's Name & Address	Report No.	EEL/ABD/WW-200/05/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	18/05/2021
	Date Of Sampling	13/05/2021
	Nature Of Sample	Liquid
	Sample Collected By	EELRC
	Date of Analysis	15/05/2021
	Volume of Sample	2lit x 1 No. (Plastic Bag)

RESULTS

Sr. No	Parameters	Surface water (Project site)	Ground water (Halsavade)	Standards (IS 10500:2012)	Units
1.	Colour	1.0	0.5		
2.	Temperature	40	39	-	°C
3.	Turbidity	0.60	0.57	1	NTU
4.	Ph	7.8	7.9	6.5-8.5	---
5.	Conductivity	1354	1740	-	mS/cm
6.	TDS	275	268	500	mg/l
7.	Dissolved Oxygen	2.9	1.0	-	mg/l
8.	Total Hardness	180	116	200	mg/l
9.	Ca-Hardness	26	43		mg/l
10.	Calcium as Ca ²⁺	24	52	75	mg/l
11.	Magnesium as Mg ²⁺	11.1	12.3	30	mg/l
12.	Chlorides	106	194	250	mg/l
13.	Total Alkalinity	133	133	200	mg/l
14.	Phenolphthalein Alkalinity	Absent	Absent		mg/l
15.	Ammonical Nitrogen	Absent	Absent	-	mg/l
16.	Sulphate	36	32	200	mg/l
17.	Nitrites	1.4	2.38	-	mg/l
18.	Phosphate	0.08	1.05	-	mg/l
19.	Fluoride	0.05	0.05	1.0	mg/l
20.	Sodium	0.03	0.03	-	mg/l
21.	Potassium	0.04	0.04	-	mg/l
22.	COD	64	76	-	mg/l
23.	BOD	09	17	-	mg/l
24.	MPN	Nil	Nil	00	Org/dl
25.	F. coli.		-	Absent	Org/dl

Note: All the parameters are within permissible limit as per IS – 10500 Standards, BDL – Below Detection Limit.

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AMBIENT AIR QUALITY MONITORING REPORT

Client's Name & Address		Report No.	EEL/ABD/A-201/06/2021-22	
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.		Date	14/06/2021	
		Date Of Sampling	09/06/2021	
		Time Of Sampling	11:20 AM	
		Sampling Duration	24 Hrs.	
		Date of Analysis	11/06/2021	
		Sample Collected By	EELRC	
Sample volume	SO ₂ (Plastic bottle)	NO ₂ (Plastic bottle)	PM10 (Filter paper)	PM2.5 (Filter paper)
	30ml x1 No.	30ml x1 No.	1X1 No.	1X1 No.

RESULTS

Sr. No	Description	Unit	Main Gate	Furnace shed	Rolling mill area	NAAQ 2009 Standards
01	Ambient Temperature	°C	31	30	32	
02	Dry Bulb Temperature	°C	30	32	33	
03	Wet Bulb Temperature	°C	33	29	31	
04	Relative Humidity	% RH	67	65	64	
05	PM 10	µg/m ³	49.3	37.8	43.7	100
06	PM 2.5	µg/m ³	17.0	16.3	15.2	60
07	Sulphur Dioxide	µg/m ³	16.4	14.7	10.7	80
08	Oxides of Nitrogen	µg/m ³	21.0	18.4	14.2	80
09	Carbon Monoxide	mg/m ³	0.04	0.06	0.05	≤ 02
10	Lead	µg/m ³	<0.06	<0.06	<0.06	≤ 1.0
11	Ammonia	µg/m ³	17.4	18.3	12.8	≤ 400
12	Benzene	µg/m ³	<0.02	<0.02	<0.02	≤ 05
13	Benzopyrene	µg/m ³	<0.002	<0.002	<0.002	≤ 01
14	Nickel	µg/m ³	<0.007	<0.007	<0.007	≤ 20
15	Arsenic	µg/m ³	<0.03	<0.03	<0.03	≤ 06
16	Ozone	µg/m ³	12.1	16.5	18.0	≤ 180

REMARKS/ OBSERVATIONS:

- All above results are within the limit National Ambient Air Quality Standards.
- BDL: Below Detection Limit.

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AMBIENT NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/A-202/06/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	14/06/2021
	Date Of Sampling	09/06/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Main Gate	dB(A)	69.7	66.1
2.	Furnace Shed	dB(A)	66.9	62.5
3.	Green Belt area	dB(A)	68.0	52.6

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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WORKZONE NOISE LEVEL MONITORING REPORT



Client's Name & Address	Report No.	EEL/ABD/N-203/06/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	14/06/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	09/06/2021
Kagal, Kolhapur-416216.	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Furnace Shed	dB(A)	71.2	59.8
2.	Casting Area	dB(A)	68.6	63.4
3.	Raw material handling unit	dB(A)	69.2	55.7

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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SOURCE EMISSION MONITORING REPORT



Client's Name & Address	Report No.	EEL/ABD/N-204/06/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	14/06/2021
	Date Of Sampling	09/06/2021
	Time Of Sampling	10:30 am
	Sampling Duration	30 Min
	Date of Analysis	11/06/2021
	Test Location	Furnace

RESULTS

Sr. No.	Description	Unit	Results	As per MPCB
01	Material of Stack		MS	
02	Stack Height from G.L.	Mtr.	30	
03	Type of Stack		Round	
04	Flue Gas Temperature	°C	71	
05	Differential Pressure	MmWG	1.40	
06	Velocity	M/s	6.23	
07	Dimensions of Stack	Mtr.	0.8	
08	Stack Area	M ²	1	
09	Gas Volume	Nm ³ /Hr	3225	
10	Particulate Matter	mg/Nm ³	57	150
11	SO ₂	Ppm	25	80
12	NO _x	Ppm	29	80

REMARKS/ OBSERVATIONS:

All Above Results are within limits as per MPCB.

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AN "ENVIRONMENTAL LABORATORY"

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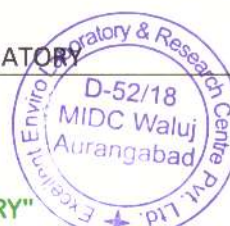
WATER ANALYSIS COMPILE REPORT

Client's Name & Address	Report No.	EEL/ABD/WW-205/06/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	14/06/2021
	Date Of Sampling	09/06/2021
	Nature Of Sample	Liquid
	Sample Collected By	EELRC
	Date of Analysis	11/06/2021
	Volume of Sample	2lit x 1 No. (Plastic Bag)

Sr. No	Parameters	Surface water (Project site)	Ground water (Halsavade)	Standards (IS 10500:2012)	Units
1.	Colour	0.9	0.8		
2.	Temperature	27	26	-	°C
3.	Turbidity	0.16	0.25	1	NTU
4.	pH	8.0	7.7	6.5-8.5	---
5.	Conductivity	1346	1660	-	mS/cm
6.	TDS	322	354	500	mg/l
7.	Dissolved Oxygen	2.92	1.50	-	mg/l
8.	Total Hardness	145	164	200	mg/l
9.	Ca-Hardness	72	56		mg/l
10.	Calcium as Ca ²⁺	25	58	75	mg/l
11.	Magnesium as Mg ²⁺	22.1	12.4	30	mg/l
12.	Chlorides	123	143	250	mg/l
13.	Total Alkalinity	153	175	200	mg/l
14.	Phenolphthalein Alkalinity	Absent	Absent		mg/l
15.	Ammonical Nitrogen	Absent	Absent	-	mg/l
16.	Sulphate	33	62.2	200	mg/l
17.	Nitrites	1.0	2.0	-	mg/l
18.	Phosphate	0.18	1.05	-	mg/l
19.	Fluoride	0.05	0.02	1.0	mg/l
20.	Sodium	0.05	0.06	-	mg/l
21.	Potassium	0.02	0.02	-	mg/l
22.	COD	24	33	-	mg/l
23.	BOD	02	03	-	mg/l
24.	MPN	Nil	Nil	00	Org/dl
25.	F. coli.		-	Absent	Org/dl

Note: All the parameters are within permissible limit as per IS - 10500 Standards, BDL - Below Detection Limit.

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AMBIENT AIR QUALITY MONITORING REPORT

Client's Name & Address		Report No.	EEL/ABD/A-206/07/2021-22	
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.		Date	17/07/2021	
		Date Of Sampling	12/07/2021	
		Time Of Sampling	10:15 AM	
		Sampling Duration	24 Hrs.	
		Date of Analysis	14/07/2021	
		Sample Collected By	EELRC	
Sample volume	SO ₂ (Plastic bottle)	NO ₂ (Plastic bottle)	PM10 (Filter paper)	PM2.5 (Filter paper)
	30ml x1 No.	30ml x1 No.	1X1 No.	1X1 No.

RESULTS

Sr. No	Description	Unit	Main Gate	Furnace shed	Rolling mill area	NAAQ 2009 Standards
01	Ambient Temperature	°C	28	27	26	
02	Dry Bulb Temperature	°C	26	28	27	
03	Wet Bulb Temperature	°C	27	29	28	
04	Relative Humidity	% RH	74	76	75	
05	PM 10	µg/m ³	40.0	37.8	42.8	100
06	PM 2.5	µg/m ³	18.1	17.2	14.2	60
07	Sulphur Dioxide	µg/m ³	13.5	13.3	22.1	80
08	Oxides of Nitrogen	µg/m ³	23.9	23.4	26.2	80
09	Carbon Monoxide	mg/m ³	0.05	0.05	0.05	≤ 02
10	Lead	µg/m ³	<0.05	<0.05	<0.05	≤ 1.0
11	Ammonia	µg/m ³	11.8	10.8	19.7	≤ 400
12	Benzene	µg/m ³	<0.02	<0.02	<0.02	≤ 05
13	Benzopyrene	µg/m ³	<0.002	<0.002	<0.002	≤ 01
14	Nickel	µg/m ³	<0.007	<0.007	<0.007	≤ 20
15	Arsenic	µg/m ³	<0.03	<0.03	<0.03	≤ 06
16	Ozone	µg/m ³	13.0	16.8	12.0	≤ 180

REMARKS/ OBSERVATIONS:

- All above results are within the limit National Ambient Air Quality Standards.
- BDL: Below Detection Limit.

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AMBIENT NOISE LEVEL MONITORING REPORT



Client's Name & Address	Report No.	EEL/ABD/N-207/07/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	17/07/2021
	Date Of Sampling	12/07/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Main Gate	dB(A)	72.0	68.4
2.	Furnace Shed	dB(A)	69.5	65.6
3.	Green Belt area	dB(A)	64.7	60.4

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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WORKZONE NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/N-208/07/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	17/07/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	12/07/2021
Kagal, Kolhapur-416216.	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Furnace Shed	dB(A)	70.5	67.2
2.	Casting Area	dB(A)	66.3	59.8
3.	Raw material handling unit	dB(A)	68.2	57.5

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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SOURCE EMISSION MONITORING REPORT



Client's Name & Address	Report No.	EEL/ABD/S-209/07/2021-22
M/s. Nilanjan Iron Pvt Ltd.	Date	17/07/2021
Plot No. B-7, Kagal Five Star MIDC,	Date Of Sampling	12/07/2021
Kagal, Kolhapur-416216.	Time Of Sampling	11:45 am
	Sampling Duration	30 Min
	Date of Analysis	14/07/2021
	Test Location	Furnace

RESULTS

Sr. No.	Description	Unit	Results	As per MPCB
01	Material of Stack		MS	
02	Stack Height from G.L.	Mtr.	30	
03	Type of Stack		Round	
04	Flue Gas Temperature	°C	71	
05	Differential Pressure	MmWG	1.40	
06	Velocity	M/s	6.23	
07	Dimensions of Stack	Mtr.	0.8	
08	Stack Area	M ²	1	
09	Gas Volume	Nm ³ /Hr	3225	
10	Particulate Matter	mg/Nm ³	67	150
11	SO ₂	Ppm	35	80
12	NO _x	Ppm	33	80

REMARKS/ OBSERVATIONS:

All Above Results are within limits as per MPCB.

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WATER ANALYSIS COMPILE REPORT

Client's Name & Address	Report No.	EEL/ABD/WW-210/07/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	17/07/2021
	Date Of Sampling	12/07/2021
	Nature Of Sample	Liquid
	Sample Collected By	EELRC
	Date of Analysis	14/07/2021
	Volume of Sample	2lit x 1 No. (Plastic Bag)

RESULTS

Sr. No	Parameters	Surface water (Project site)	Ground water (Halsavade)	Standards (IS 10500:2012)	Units
1.	Colour	1.0	1.2		
2.	Temperature	27	26	-	°C
3.	Turbidity	4.64	3.20	1	NTU
4.	pH	7.9	7.6	6.5-8.5	---
5.	Conductivity	923	824	-	mS/cm
6.	TDS	202	671	500	mg/l
7.	Dissolved Oxygen	2.9	1.0	-	mg/l
8.	Total Hardness	145	182	200	mg/l
9.	Ca-Hardness	71	51		mg/l
10.	Calcium as Ca ²⁺	39	44	75	mg/l
11.	Magnesium as Mg ²⁺	27.1	13.3	30	mg/l
12.	Chlorides	172	143	250	mg/l
13.	Total Alkalinity	133	123	200	mg/l
14.	Phenolphthalein Alkalinity	Absent	Absent		mg/l
15.	Ammonical Nitrogen	Absent	Absent	-	mg/l
16.	Sulphate	24	22	200	mg/l
17.	Nitrites	2.75	2.0	-	mg/l
18.	Phosphate	1.98	3.75	-	mg/l
19.	Fluoride	0.05	0.03	1.0	mg/l
20.	Sodium	0.05	0.06	-	mg/l
21.	Potassium	0.02	0.08	-	mg/l
22.	COD	28	56	-	mg/l
23.	BOD	02	05	-	mg/l
24.	MPN	Nil	Nil	00	Org/dl
25.	F. coli.		-	Absent	Org/dl

Note: All the parameters are within permissible limit as per IS - 10500 Standards, BDL - Below Detection Limit.

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AMBIENT AIR QUALITY MONITORING REPORT

Client's Name & Address		Report No.	EEL/ABD/WW-211/08/2021-22		
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.		Date	11/08/2021		
		Date Of Sampling	04/08/2021		
		Time Of Sampling	10:30 AM		
		Sampling Duration	24 Hrs.		
		Date of Analysis	06/08/2021		
		Sample Collected By	EELRC		
Sample volume	SO ₂ (Plastic bottle)	NO ₂ (Plastic bottle)	PM10 (Filter paper)	PM2.5 (Filter paper)	
	30ml x1 No.	30ml x1 No.	1X1 No.	1X1 No.	

RESULTS

Sr. No	Description	Unit	Main Gate	Furnace shed	Rolling mill area	NAAQ 2009 Standards
01	Ambient Temperature	°C	28	25	26	
02	Dry Bulb Temperature	°C	27	26	27	
03	Wet Bulb Temperature	°C	25	27	28	
04	Relative Humidity	% RH	79	80	78	
05	PM 10	µg/m ³	46.3	37.5	45.8	100
06	PM 2.5	µg/m ³	17.4	11.0	19.2	60
07	Sulphur Dioxide	µg/m ³	16.5	16.3	20.1	80
08	Oxides of Nitrogen	µg/m ³	22.5	20.4	20.2	80
09	Carbon Monoxide	mg/m ³	0.04	0.04	0.04	≤ 02
10	Lead	µg/m ³	<0.06	<0.06	<0.06	≤ 1.0
11	Ammonia	µg/m ³	16.8	17.8	14.7	≤ 400
12	Benzene	µg/m ³	<0.02	<0.02	<0.02	≤ 05
13	Benzopyrene	µg/m ³	<0.002	<0.002	<0.002	≤ 01
14	Nickel	µg/m ³	<0.007	<0.007	<0.007	≤ 20
15	Arsenic	µg/m ³	<0.03	<0.03	<0.03	≤ 06
16	Ozone	µg/m ³	12.0	14.3	10.0	≤ 180

REMARKS/ OBSERVATIONS:

- All above results are within the limit National Ambient Air Quality Standards.
- BDL: Below Detection Limit.

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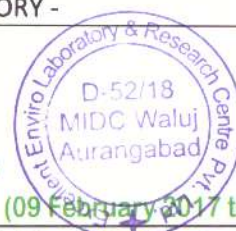
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AMBIENT NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/N-212/08/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	11/08/2021
	Date Of Sampling	04/08/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Main Gate	dB(A)	70.6	65.6
2.	Furnace Shed	dB(A)	65.3	66.1
3.	Green Belt area	dB(A)	67.5	54.5

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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WORKZONE NOISE LEVEL MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/N-213/08/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	11/08/2021
	Date Of Sampling	04/08/2021
	Sampling Duration	15 Min.

RESULTS

Sr. No.	LOCATION	UNIT	READINGS	
			DAY TIME	NIGHT TIME
1.	Furnace Shed	dB(A)	71.4	62.5
2.	Casting Area	dB(A)	68.3	60.4
3.	Raw material handling unit	dB(A)	69.8	50.2

OBSERVATION / REMARKS:

- All above results are within MPCB Limits
- Limits:** MPCB has prescribed 75 dB(A) as an upper limit of noise level during daytime <70 dB(A) as an upper limit during night time

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Excellent Enviro Laboratory & Research Center Pvt. Ltd.

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SOURCE EMISSION MONITORING REPORT

Client's Name & Address	Report No.	EEL/ABD/S-214/08/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	11/08/2021
	Date Of Sampling	04/08/2021
	Time Of Sampling	11:00 am
	Sampling Duration	30 Min
	Date of Analysis	06/08/2021
	Test Location	Furnace

RESULTS

Sr. No.	Description	Unit	Results	As per MPCB
01	Material of Stack		MS	
02	Stack Height from G.L.	Mtr.	30	
03	Type of Stack		Round	
04	Flue Gas Temperature	°C	71	
05	Differential Pressure	MmWG	1.40	
06	Velocity	M/s	6.23	
07	Dimensions of Stack	Mtr.	0.8	
08	Stack Area	M ²	1	
09	Gas Volume	Nm ³ /Hr	3225	
10	Particulate Matter	mg/Nm ³	62	150
11	SO ₂	Ppm	20	80
12	NO _x	Ppm	18	80

REMARKS/ OBSERVATIONS:

All Above Results are within limits as per MPCB.

 ANALYZED BY-	 AUTHORIZED SIGNATORY
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AN "ENVIRONMENTAL LABORATORY"

Recognised by MoEF & CC, New Delhi, Gazette Notification S.O. 388 (E) Dated (09 February 2017 to 08 February 2022)

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WATER ANALYSIS COMPILE REPORT

Client's Name & Address	Report No.	EEL/ABD/WW-215/08/2021-22
M/s. Nilanjan Iron Pvt Ltd. Plot No. B-7, Kagal Five Star MIDC, Kagal, Kolhapur-416216.	Date	11/08/2021
	Date Of Sampling	04/08/2021
	Nature Of Sample	Liquid
	Sample Collected By	EELRC
	Date of Analysis	06/08/2021
	Volume of Sample	2lit x 1 No. (Plastic Bag)

RESULTS

Sr. No	Parameters	Surface water (Project site)	Ground water (Halsavade)	Standards (IS 10500:2012)	Units
1.	Colour	1.9	0.6		
2.	Temperature	26	27	-	°C
3.	Turbidity	0.58	0.45	1	NTU
4.	Ph	7.2	7.7	6.5-8.5	---
5.	Conductivity	1069	1360	-	mS/cm
6.	TDS	446	371	500	mg/l
7.	Dissolved Oxygen	3.9	1.52	-	mg/l
8.	Total Hardness	187	193	200	mg/l
9.	Ca-Hardness	76	53		mg/l
10.	Calcium as Ca ²⁺	29	54	75	mg/l
11.	Magnesium as Mg ²⁺	20.1	19.3	30	mg/l
12.	Chlorides	176	173	250	mg/l
13.	Total Alkalinity	184	172	200	mg/l
14.	Phenolphthalein Alkalinity	Absent	Absent		mg/l
15.	Ammonical Nitrogen	Absent	Absent	-	mg/l
16.	Sulphate	34	62	200	mg/l
17.	Nitrites	1.75	2.38	-	mg/l
18.	Phosphate	0.98	3.75	-	mg/l
19.	Fluoride	0.05	0.09	1.0	mg/l
20.	Sodium	0.03	0.02	-	mg/l
21.	Potassium	0.04	0.08	-	mg/l
22.	COD	68	76	-	mg/l
23.	BOD	05	07	-	mg/l
24.	MPN	Nil	Nil	00	Org/dl
25.	F. coli.	-	-	Absent	Org/dl

Note: All the parameters are within permissible limit as per IS – 10500 Standards, BDL – Below Detection Limit.

ANALYZED BY-

AUTHORIZED SIGNATORY

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