

Date: 1<sup>st</sup> JUNE 2023

To,

The Member Secretary,  
2<sup>nd</sup> Floor, Room No. 217,  
Govt. of Maharashtra,  
Mantralaya Annex Bldg.  
Mumbai - 32

*Pravin*  
11/6/23  
जावक लिपिक (नॉ.शा.)  
पर्यावरण व वातावरणीय बदल विभाग  
मंगलूर, मुंबई ४०० ०३२

**Subject** Six Monthly Environment Monitoring data & Stipulate Environmental clearance condition compliance report of our existing unit at plot no .G-7 & G-8, MIDC, Malegoan, Tal-Sinnar Dist- Nashik

Ref: SEAC-2011/CR-524/TC-2 dated 1<sup>st</sup> April 2015

Respected Sir/Madam,

This is pertaining to above cited subject & related letter, we are submitting the data of environment Monitoring and point wise compliance of Environmental condition for the period of October 2022 to March 2023.

*This is for your kind perusal please*

Thanking you.

Yours truly,

For Bhagwati Ferro Metal Pvt.Ltd.

S.P. Mishra  
General Manager (Com)

Encl.

*S.P. Mishra*



1. Six monthly Environmental clearance report (October 2022 to March 2023) along with the photocopies Environmental Monitoring data & necessary documents.

CC: The Member Secretary, MPCB, Mumbai

**REGISTERED ADDRESS**

A 601, Western Edge 1, Kanakia Spaces, Opp. Magathane  
Bus Depot, Western Express Highway, Borivali (East),  
Mumbai 400066. Tel : 022 4035 4444 www.bhagwatisteel.co.in

**FACTORY ADDRESS**

**BHAGWATI FERRO METAL PVT. LTD**  
G-7 / G-8, M.I.D.C., Malegaon, Sinnar, Dist. Nashik - 422 113.



Date: 1<sup>st</sup> JUNE 2023

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The Member Secretary,  
2<sup>nd</sup> Floor, Room No. 217,  
Govt. of Maharashtra,  
Mantralaya Annex Bldg.  
**Mumbai – 32**

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S.P. Mishra  
General Manager (Com)

Encl.



01/06/23  
महाराष्ट्र प्रदूषण नियंत्रण मंडळ  
कल्पतरू पॉइंट, २ रा मजला, सायन सर्कल,  
सिनेप्लेनेट समोर, सायन (पूर्व),  
मुंबई - ४०० ०२२.  
फोन :- २४०१०४३७ / २४०२०७८९  
Website [www.mpcb.gov.in](http://www.mpcb.gov.in)

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G-7 / G-8, M.I.D.C., Malegaon, Sinnar, Dist. Nashik - 422 113.





# BHAGWATI FERRO METAL PVT. LTD

CIN NO.: U27100MH2003PTC140750



T.M.T. BAR • BILLETS

Date: 1<sup>st</sup> JUNE 2023

To,

Regional Officer (West Central Zone)  
Ministry of Environment, Forest and climate change  
Ground floor, East Wing  
New Secretariat Building  
Civil Line, Nagpur -440 001

**Subject** Six Monthly Environment Monitoring data & Stipulate Environmental clearance condition compliance report of our existing unit at plot no .G-7 & G-8, MIDC, Malegoan, Tal-Sinnar Dist- Nashik

Ref : SEAC-2011/CR-524/TC-2 dated 1<sup>st</sup> April 2015

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**Thanking you.**

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**For Bhagwati Ferro Metal Pvt.Ltd.**

**S.P. Mishra**  
**General Manager (Com)**



Encl.

1. Six monthly Environmental clearance report (October 2022 to March 2023) along with the photocopies Environmental Monitoring data & necessary documents.

CC: The Member Secretary, MPCB, Mumbai

**Half yearly Compliance Report in respect of the stipulated prior Environment Clearance terms & Conditions of  
M/s Bhagwati Ferro Metal Pvt. Ltd., Plot No. G-7 & G-8, MIDC Malegaon, Tal. Sinnar, Dist. Nashik.**

Date: 01/06/2023

EC Condition No.	List of Legal Compliance	Status
Sr. No. 3 (i)	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	will be complied
Sr. No. 3 (ii)	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	will be complied
Sr. No. 3 (iii)	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 power plant 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.	Monitoring is being done & submitted to MPCB. Photocopies of the report is enclosed herewith
Sr. No. 3 (iv)	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	Noted & necessary arrangement has been provided
Sr. No. 3 (v)	Proper House keeping programmers shall be implemented.	Noted & housekeeping programme implemented.
Sr. No. 3 (vi)	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.	Noted & will be complied
Sr. No. 3 (vii)	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable)	DG set of capacity 380 KVA x 2 nos. Stack has been provided with adequate height of 3.0 mtrs. above the roof



Sr. No. 3 (viii)	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rain water harvesting has been implemented. Details are enclosed.
Sr. No. 3 (x)	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.	Monitoring of ground water regularly done on half-yearly basis and regularly submitted to MPCB. Photocopies of the report is enclosed herewith
Sr. No. 3 (xi)	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.	Monitoring of noise level regularly done on half-yearly basis and regularly submitted to MPCB. Photocopies of the report is enclosed herewith. PPE has been provided for working people
Sr. No. 3 (xii)	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,	Noted & complied
Sr. No. 3 (xiii)	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 local DFO/ Agriculture Dept.	We are making all possible efforts for abatement of pollution and for keeping the surrounding environment clean. For this the company has maintained a very good garden.
Sr. No. 3 (xiv)	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall be installed at strategic places for early detection and warning.	Noted & complied
Sr. No. 3 (xv)	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Occupational health surveillance of the workers has been regularly done on a regular basis and record is maintained as per Factories Act.
Sr. No. 3 (xvi)	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Noted & complied



Sr. No. 3 (xx)	<p>The company shall undertake following Waste Minimization Measures:</p> <ol style="list-style-type: none"> <li>1. Metering of quantities of active ingredients to minimize waste.</li> <li>2. Reuse of by products from the process as raw materials or as raw material substitutes in other process.</li> <li>3. Maximizing Recoveries.</li> <li>4. Use of automated material transfer system to minimize spillage.</li> </ol>	Noted & will be complied			
Sr. No. 3 (xx)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted & will be complied			
Sr. No. 3 (xxi)	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	Noted & complied			
Sr. No. 3 (xxii)	Separate silos will be provided for collecting and storing bottom ash and fly ash.	Not Applicable			
Sr. No. 3 (xxiii)	<p>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 urea-wise expenditure should reported to the MPCB &amp; this department.</p>	<p>Capital Expenses (Rs.)</p> <p>Recurring Expenses (Rs.)</p>			
			a) Emission Control	Rs. 50,00,000/-	Rs. 5,00,000/-
			b) Development of landfill area	Rs. 25,00,000/-	Rs. 50,000/-
			c) Plantation	Rs. 2,00,000/-	Rs. 50,000/-
Sr. No. 3 (xxiv)	<p>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 <a href="http://envvis.maharashtra.gov.in">http://envvis.maharashtra.gov.in</a></p>	Noted & complied			



Sr. No. 3 (xxv)	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.	Noted & complied
Sr. No. 3 (xxvi)	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.	Noted & complied
<i>Page 3 of 4</i>		
Sr. No. 3 (xxiv)	The environmental statement for each financial year ending 31st March in form-V as is mentioned 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 company along with the status compliance of EC condition and shall be set to the respective Regional Officer of MOEF by e-mail	Environmental Statement for the financial year 2021-2022 be submitted Photocopies of the Submission is enclosed herewith
<i>Page 4 of 4</i>		



**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

No. SIA/MH/IND/263975/2022  
Environment & Climate  
Change Department  
Room No. 217, 2<sup>nd</sup> Floor,  
Mantralaya, Mumbai- 400032.  
Date: 20/06/2022

To  
M/s. Bhagawati Ferro Metal Prv. Ltd.  
G-7 & 8, MIDC, Malegaon, Sinnar Nashik

Sub : Environment Clearance for revalidation in earlier EC No. SEAC-2011/CR-524/TC-2, Dated 01/04/2015 for Sponge Iron Project Located at G-7 & 8, MIDC, Malegaon, Sinnar Nashik by M/s. Bhagawati Ferro Metal Prv. Ltd.

Ref : 1. Application no- SIA/MH/IND/263975/2022  
2. EC. No. SEAC-2011/CR-524/TC-2, Dated 01/04/2015

With reference to above subject matter, it is noted that, you have received Environment Clearance vide SEAC-2011/CR-524/TC-2, Dated 01/04/2015. You have further applied for revalidation of Environment Clearance for said project within validity of the aforesaid EC vide above ref. (1). Your proposal for revalidation was considered in 243<sup>rd</sup> (Day-4) meeting of SEIAA and as per decision taken in the meeting, the environment clearance granted vide above ref. (2) is extended for a period up to 31.03.2026.

All the conditions stipulated in the original EC vide ref (2) shall remain the same.

  
(Manisha Patankar Mhaiskar)  
Member Secretary, SEIAA  
20/06/2022



**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

SEAC-2011/CR-524/TC-2  
Environment department,  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai 400 032  
Date: 23<sup>rd</sup> September, 2016.

To,  
M/s. Bhagwati Ferro Metal Pvt Ltd.  
Plot No. G-7, MIDC, Malegaon,  
Sinnar, Dist. Nashik- 422113.

Subject: - Environment clearance for proposed Sponge Iron project at Plot No. G-7, MIDC, Malegaon, Sinnar, Dist. Nashik by M/s. Bhagwati Ferro Metal Pvt Ltd.

Reference- Even number environment clearance letter dated 1<sup>st</sup> April, 2015.

Sir,

This has reference to your communication on the above mentioned subject.

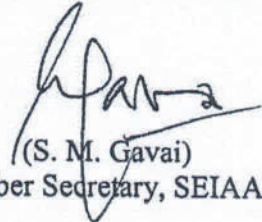
2. It is noted that, the proposal earlier considered by SEIAA in its 82<sup>nd</sup> meeting & decided to accord grant of EC to the project. Accordingly EC has been issued to the project vide letter dated 1<sup>st</sup> April, 2015.

3. Project information from documents submitted by you & considered by SEAC & SEIAA was summarized in even number environment clearance letter dated 1<sup>st</sup> April, 2015.

It is noted that information on following point are corrected as-

Point	As per EC issued on 1 <sup>st</sup> April, 2015	Proposed Correction
Subject	Environment clearance for proposed Sponge Iron project at Plot No. G-7, MIDC, Malegaon, Sinnar, Dist. Nashik by M/s. Bhagwati Ferro Metal Pvt Ltd	Environment clearance for proposed 25000 TPM of M.S. Billets project at Plot No. G-7, MIDC, Malegaon, Sinnar, Dist. Nashik by M/s. Bhagwati Ferro Metal Pvt. Ltd.
Estimated capital cost of the project:	55 Crores	75.06 Crores.

2. Terms and conditions stipulated in even number environment clearance letter dated 1<sup>st</sup> April, 2015 remains the same.

  
(S. M. Gavai)  
Member Secretary, SEIAA

**Copy to:**

1. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
2. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
3. 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).
4. Commissioner, Municipal Corporation Nashik (NMC)
5. Regional Office, MPCB, Nashik
6. Collector, Nashik
7. IA Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
8. Select file (TC-3)

(EC uploaded on )

## Government of Maharashtra

SEAC-2011/ CR-524/TC-2  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annex,  
Mumbai- 400 032.  
Dated: 1<sup>st</sup> April, 2015

To,  
Mr. S.P. Mishra  
Plot no.G-7, MIDC Malegaon,  
Tahsil – Sinnar, District: Nashik.

**Subject: Environment clearance for proposed Sponge Iron project at Plot No. G-7, MIDC, Malegaon, Sinnar, Dist. Nashik by M/s. Bhagwati Ferro Metal Pvt Ltd**

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 94<sup>th</sup> meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 82<sup>nd</sup> meeting.

2. It is noted that the proposal is considered by SEAC-I under screening category 3(a) B1 as per EIA Notification 2006.

**Brief Information of the project submitted by Project Proponent is as:**

Name of the Project	M/s Bhagwati Ferro Metal Pvt. Ltd. at plot no.G-7, MIDC Malegaon, Tahsil – Sinnar, District: Nashik (Maharashtra)
Project Proponent	Mr. S.P. Mishra
Consultant	Pollution & Ecology Control Services
New Project / Expansion in existing	New Project, It is proposed to manufacture 25000 TPM M.S. Billets.
Activity schedule in the EIA Notification	The project falls under the Category 'B' of the Schedule of EIA Notification, 2006. Item no. – 3(a)
Area Details	Total plot Area (sq. m.): 88000 Sq.Mtrs Proposed Built up Area (sq. m.): 17375 Sq.Mtrs
Name of the Notified Industrial area	MIDC Malegaon
TOR given by SEAC? (if yes then specify the	53 <sup>rd</sup> Meeting of the State Level Expert Appraisal Committee (SEAC)

meeting)					
Estimated capital cost of the project:	55 Crores				
Location details of the project:	Latitude - 19 <sup>0</sup> 53' 20" N Longitude - 73 <sup>0</sup> 58' 39" E Location- MIDC Malegaon, Nasik in Maharashtra Elevation above Mean Sea Level (meters) – 740 m				
Raw materials (including process chemicals, catalysts, & additives).	List of raw materials to be used	Physical and chemical nature of raw material	Quantity (tones/month) full Production capacity	Source of materials	Means of transport (Source to storage with justification)
	MS Scrap	Lumps	22400 TPM	Open Market	Tarapaulin covered trucks
	Sponge Iron	Lumps	5600 TPM	Open Market	Tarapaulin covered trucks
Production details	Name of Products, By products and Intermediate Products	Proposed activity (new / modernization / expansion) (T/Year)	Total (T/Year)		
	M.S. Billets,	25000 TPM	25000 TPM		
Total Water Requirement	Total water requirement: Fresh water (CMD): 350 m <sup>3</sup> /day & Source - MIDC Recycled water (CMD): 320 m <sup>3</sup> /day Use of the water : Process(CMD): m <sup>3</sup> /day Cooling water(CMD):320 m <sup>3</sup> /day DM Water (CMD): m <sup>3</sup> /day				

	Dust Suppression(CMD): treated water will be reused Drinking (CMD): 20 m <sup>3</sup> /day Green belt(CMD): 10 m <sup>3</sup> /day						
Sewage generation and treatment	Amount of sewage generation (CMD) - 17 m <sup>3</sup> /day Proposed treatment for the sewage – It will be treated in Sewage Network of MIDC Capacity of the STP (CMD) (If applicable) – a packaged type STP of 20m <sup>3</sup> /day is proposed.						
Solid waste Management:	Sr. No	Source	Qty (TPM)	Form (Sludge/Dry/Slurry etc.)	Composition		
	3.	Process	750 TPM		Slag from Induction Furnace		
	If waste (s) contains any hazardous/toxic substance/radioactive materials or heavy metals, provide quantity, disposal data and proposed precautionary measures. Initially the slag will be used for hardening of working area, internal roads. Later on it will be sold to nearby stone quarries for refilling purpose.						
Stack Emission Details:	Plant Section & units	Stack No.	Height from ground level (m)	Internal Diameter (TOP) (m)	Emission Rate		Temp. of Exhaust Gases
					For SO <sub>2</sub>	For NO <sub>x</sub>	
	Stack attached to Induction Furnace	1	30m	1.6m	-	-	50°C
Emission Standard	Pollutants (SPM,SO <sub>2</sub> ,	Emission Standard Limit (mg/Nm <sup>3</sup> )		Proposed Limit	MPCB Consent		

	etc)		(mg/Nm <sup>3</sup> )	(mg/Nm <sup>3</sup> )
	PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> , CO	PM <sub>10</sub> - 60 - 100 µg/m <sup>3</sup> , PM <sub>2.5</sub> - 40 - 60 µg/m <sup>3</sup> SO <sub>2</sub> - 40 - 80 µg/m <sup>3</sup> NO <sub>x</sub> - 50 - 80 µg/m <sup>3</sup> CO - 2.0 - 4.0 mg/m <sup>3</sup>		
Ambient Air Quality Data	Pollutant	Permissible Standard	Predicted Concentration (in µg/m <sup>3</sup> )	Remarks
	SPM	PM <sub>10</sub> - 100 µg/m <sup>3</sup> , PM <sub>2.5</sub> - 60 µg/m <sup>3</sup>	PM <sub>10</sub> - 27.6 to 54.9 µg/m <sup>3</sup> , PM <sub>2.5</sub> - 9.4 to 25.5 µg/m <sup>3</sup>	All parameters are within limits after commissioning of the plant.
	SO <sub>2</sub>	80 µg/m <sup>3</sup>	SO <sub>2</sub> - 6.8 to 12.8 µg/m <sup>3</sup>	
	NO <sub>x</sub>	80 µg/m <sup>3</sup>	NO <sub>x</sub> - 7.6 to 14.7 µg/m <sup>3</sup>	
	CO	4 mg/m <sup>3</sup>	CO - <0.2 mg/m <sup>3</sup>	
Energy	Power supply: • Existing power requirement: • Proposed power requirement: 20 MVA			
Green Belt Development	Green belt area (Sq. m.): 30% of total land Number and species of trees to be planted - Approximately 1000 trees per Ha will be planted in consultation with the local Forest Department Number, size, age and species of trees to be cut, trees to be transplanted			
Details of Pollution Control Systems:	Sr. No.	Existing pollution control system	Proposed to be installed	
	i.	Air	Bag filter	
	iii.	Noise	Nil	Ear muffs/ear plugs will be provided to the

			workers, Acoustic laggings and silencers will be provided in equipment
Environmental Management Plan Budgetary Allocation	Capital cost (With break up):		
	O& M cost (With break up):		
	Sr. No.		Recurring Cost per annum in Rs.
	1.	Air Pollution Control	Rs. 3.00Lacs
	2.	Water Pollution Control	Rs. 2.00 Lacs
	3.	Noise Pollution Control	Rs. 0.50 Lacs
	4.	Environment Monitoring and Management	-
	5.	Reclamation borrow/mined area (If applicable)	-
	6.	Occupational Health	Rs. 1.00 Lacs
	7.	Green Belt	Rs. 1.00 Lacs
	8.	Solidwaste management	Rs. 2.50 Lacs
9.	Others ( Pl. Specify)	-	
	Total	Rs. 10.00 Lacs	
		Rs. 120 Lacs	

3. The proposal has been considered by SEIAA in its 82<sup>nd</sup> meeting & 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 :

**General Conditions for Pre- construction phase:-**

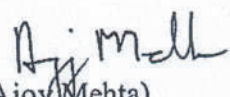
- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iii) Regular monitoring of the air quality, including SPM & SO<sub>2</sub> levels both in work zone and ambient air shall be carried out in and around the power plant 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.

- (iv) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (v) Proper Housekeeping programmes shall be implemented.
- (vi) In the event of the failure of any pollution control system 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.
- (vii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (viii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (ix) Arrangement shall be made that effluent and storm water does not get mixed.
- (x) 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.
- (xi) 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.
- (xii) 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 conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiii) 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.
- (xiv) 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.
- (xv) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xvii) 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 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xviii) 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.
- (xix) 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.
- (xx) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxi) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiii) 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
- (xxiv) 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://ec.maharashtra.gov.in>
- (xxv) 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 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
- (xxvi) 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.
- (xxvii) 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, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectorai 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.
- (xxviii) 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.
- (xxix) The environmental statement for each financial year ending 31<sup>st</sup> 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.
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. 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.
6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.
7. 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.

8. 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.
9. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1<sup>st</sup> Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
(Ajoy Mehta)  
Principal Secretary,  
Environment department &  
MS, SEIAA.

**Copy to:**

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune - 411014. .
3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
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, Nashik.
7. Collector, Nashik
8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
9. Select file (TC-3)

(EC uploaded on 4/4/2015 )



# Maharashtra Pollution Control Board

## 614d8d825bd043691f9be595

### MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
 Fax: 24023516  
 Website: <http://mpcb.gov.in>  
 Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



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

RED/L.S.I ()

No:- Format1.0/CAC/UAN No.0000090165/CO 210900143

Date: 24/09/2021

To,  
 Bhagwati Ferro Metal Pvt. Ltd.  
 Plot No G-7 & G-8, MIDC Malegaon,  
 Sinnar, Dist, Nashik  
 Sinnar, Nashik



Your Service is Our Duty

**Sub: Grant of Consent to 1st operate (Part) with amalgamation with existing consent (Phase 1) under RED category**

- Ref:**
1. Consent No:-Format1.0-BO/CAC-Cell/UAN No.0000025186-17/CAC-1801000899 grated on 22.01.2018 valied up to 31.05.2022
  2. Consent No:-Format1.0:-BO/CAC-Cell/UAN No.0000065280-19/4thCAC-1906001287 gated on 25.06.2019
  3. Minutes of CAC Meeting 10th CAC Meeting held on 14.08.2020

Your application No.MPCB-CONSENT-0000090165 Dated 02.03.2020

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 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 operate is granted for a period up to 31/05/2025
2. The capital investment of the project is Rs.97.96 Crs. (As per C.A Certificate submitted by industry Existing CI is 67.96 Rs. Crs + Expansion/Increase in C.I. 30 Rs. Crs)
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products			
1	MS Billets	12500	MT/M
2	CTD/TMT Bars	11000	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



Maharashtra Pollution Control Board  
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Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	9	As per Schedule-I	Soaked in soak pit

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	Induction Furnace	S-1	1	As per Schedule -II
2	DG Set (380 KVA)	S-2	1	As per Schedule -II
3	DG Set (380 KVA)	S-3	1	As per Schedule -II

6. Non-Hazardous Wastes:

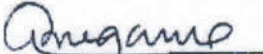
Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Scale from CCM	5	MT/M	Na	Reused in process
2	Slag	900	MT/M	Na	For land filling Scientifically
3	Powder from dust collector	10	MT/M	Na	For land filling Scientifically/Sale

7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	50	Ltr/M	Recycle/Incineration	Sale to authorized re-processor/recycler

- 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 This consent is issued with overriding effect on earlier Consent to Establish/Operate granted by the Board vide no. Consent No. Format1.0:-BO/CAC-Cell/UAN No.0000025186-17/CAC-1801000899 dtd. 22.01.2018
- 11 This consent is issued pursuant to the decision of the 10th Consent Appraisal Committee Meeting held on 14.08.2020.
- 12 Industry shall extend/submit bank guarantee of Rs. 5 lakhs towards O & M of pollution control systems and compliance of consent conditions.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(Ashok Shingare IAS),  
Member Secretary



**BG Return details**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>BG Imposed</b>	<b>Purpose of BG</b>	<b>Amount of BG Returned</b>
			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 siting 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.



**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.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO <sub>2</sub> (kg/day)
S-1	Induction Furnace	Fume extraction system with bag filters	30	Electricity	0--NA--	0.00	0.00
S-2	DG Set (380 KVA)	Acoustic Enclosure	3	Diesel	15Ltr/Hr	1.00	7.20
S-3	DG Set (380 KVA)	Acoustic Enclosure	3	Diesel	15Ltr/Hr	1.00	7.20

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 operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Parameters	Standards
Total Particulate Matter	Not to exceed 150 mg/ Nm <sup>3</sup>

4. 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.
5. 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	C to R	500000	15 days	Towards O & M of pollution control systems and compliance of consent conditions	31.05.2025	30.09.2025

**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						



**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 Septic Tank followed by Soak pit for the treatment of 9 CMD of sewage.  
B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards	
1	Suspended Solids	Not to exceed	100 mg/l
2	BOD 3days 27C	Not to exceed	100 mg/l

- 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 for gardening / 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	307.00
2.	Domestic purpose	15.00
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	10

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.



Maharashtra Pollution Control Board  
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Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	150000.00	5460185	06/03/2020	NEFT
2	375000.00	TXN2008000377	07/08/2020	Online Payment

Copy to:

1. Regional Officer, MPCB, Nashik and Sub-Regional Officer, MPCB, Nashik  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC desk - for record & website updation.





# Maharashtra Pollution Control Board

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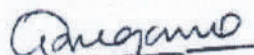
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of 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](http://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.



Maharashtra Pollution Control Board  
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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.

For and on behalf of the  
Maharashtra Pollution Control Board.

  
(Ashok Shingare IAS),  
Member Secretary

## ENalyse\*

Test Report			REPORT NO.-AB/BFM/11/2022-23/561		
Name of Client & Address:  Bhagawati Ferro Metal Pvt. Ltd. Plot No. G-7 & G-8, MIDC Malegaon, Tal: Sinner, Dist: Nashik		Sample Code	AB/BFM/11/2022-23/561		
		Sample Name	Drinking Water-Canteen		
		Sample Collected By	Aavanira Biotech Pvt Ltd		
		Method for Sampling	IS:3025 Part 1		
		Sample Type	Drinking Water		
		Sample Collected On	15/11/2022		
		Sample Received on Date	15/11/2022		
		Analysis Date	16/11/2022 to 21/11/2022		
		Reporting Date	22/11/2022		
Sample returned /stored		Stored at 4°C for 1 week from the date of reporting			
Sr. No.	Parameter	Result	Limit as per IS: 10500 Standard	Unit	Standard Method
1.	Colour	1.0	5	Hazen Units	IS: 3025 Part-04 (R.A : 2017)
2.	Odour	Agreeable	Agreeable	--	IS: 3025 Part-05 (R.A : 2017)
3.	pH	8.0	6.5-8.5	--	IS: 3025 Part-11 (R.A : 2017)
4.	Taste	Agreeable	Agreeable	--	IS: 3025 Part-16 (R.A : 2017)
5.	Turbidity	0.63	1	NTU	IS: 3025 Part-10 (R.A : 2017)
6.	Total Suspended solids	1.0	NS	mg/lit	IS: 3025 Part-17 (R.A : 2017)
7.	Total Dissolved solids	342.0	500	mg/lit	IS: 3025 Part-16 (R.A : 2017)
8.	Total Hardness as CaCO <sub>3</sub>	186.0	200	mg/lit	IS: 3025 Part-21 (2019)
9.	Total Alkalinity as CaCO <sub>3</sub>	172.32	200	mg/lit	IS: 3025 Part-23 (R.A : 2019)
10.	Chloride as Cl <sup>-</sup>	28.37	250	mg/lit	IS: 3025 Part-32 (R.A : 2019)
11.	Sulphate as SO <sub>4</sub> <sup>-2</sup>	21.2	200	mg/lit	APHA :23 <sup>rd</sup> edition -(4500- SO <sub>4</sub> <sup>-2</sup> E)
12.	Calcium as Ca	41.58	75	mg/lit	IS: 3025 Part-02 (2019)
13.	Magnesium as Mg	19.62	30	mg/lit	IS: 3025 Part-02 (2019)
14.	Iron as Fe	BDL	0.3	mg/lit	IS: 3025 Part-02 (2019)
15.	Total Coliform	Absent	Absent	MPN/100ml	IS: 1622 (R.A : 2019)
16.	Fecal Coliform	Absent	Absent	MPN/100ml	IS: 1622 (R.A : 2019)

BDL: Below Detection Limit. NS: Not Specified.

REMARKS / OBSERVATIONS: All above parameters are within limits as per IS: 10500 standards.

Verified By – Quality Manager

Authorized By – Technical Manager /  
Dy. Technical Manager

Govt. Analyst

—End of Report—

Recognized by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India  
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

## ENalyse\*

### Ambient Air Quality Monitoring Report Report No.AB/BFM/11/2022-23/575

<b>Name of Client &amp; Address:</b>  <b>Bhagawati Ferro Metal Pvt. Ltd.,</b> Plot No. G-7 & G-8, MIDC Malegaon, Tal- Sinner, Dist- Nashik.	<b>Sample Code</b>	AB/BFM/11/2022-23/575
	<b>Sample Location</b>	Near Main Gate
	<b>Sample Collected By</b>	Aim Enviro
	<b>Sample type</b>	Ambient Air
	<b>Method of Sampling</b>	As per IS : 5182 Part 1 (RA:2018)
	<b>Date of Sampling</b>	15/11/2022
	<b>Time of Sampling</b>	12:35 pm.
	<b>Sampling Duration</b>	24 Hrs.
	<b>Ambient Temp.(Max./Min.)</b>	29.5°C/21.0°C
	<b>Relative Humidity(RH)</b>	45 %
	<b>Analysis Date</b>	17/11/2022 to 22/11/2022
	<b>Reporting date</b>	22/11/2022
	<b>Instrument Details</b>	Ambient Fine Dust Sampler, AB/Tech/Instr/120
<b>Sample returned /stored</b>	Stored at 4°C for 1 week from the date of reporting	

### TESTPARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM <sub>10</sub> )	78.65	µg/m <sup>3</sup>	≤ 100	IS 5182 Part 23 : 2006 (R: 2017)
2	Particulate Matter (PM <sub>2.5</sub> )	30.12	µg/m <sup>3</sup>	≤ 60	USEPA (40 CFR Ch.-1) L to Part 50
3	Sulphur Dioxide (SO <sub>2</sub> )	23.6	µg/m <sup>3</sup>	≤ 80	IS 5182 Part 2 : 2001(R: 2017)
4	Oxides of Nitrogen (NOx)	28.0	µg/m <sup>3</sup>	≤ 80	IS 5182 Part 6 : 2006(R: 2017)
5	Ozone (O <sub>3</sub> )	12.0	µg/m <sup>3</sup>	≤ 180 (1 Hr.)	IS : 5182 (Part 9):RA 2019
6	Lead (Pb)	0.12	µg/m <sup>3</sup>	≤ 1.0	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 401-303A
7	Carbon Monoxide (CO)	1.75	mg/m <sup>3</sup>	≤ 04 (1 Hr.)	IS 5182 : Part 10 : 1999 (R: 2019)
8	Ammonia (NH <sub>3</sub> )	13.0	µg/m <sup>3</sup>	≤ 400	IS 5182 : Part 25 : 2018
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL[D.L.=0.02]	µg/m <sup>3</sup>	≤ 05 (Annual)	IS 5182 : Part 11: 2006 (R : 2017)
10	Benzo(a)Pyrene (BaP)	BDL[D.L.=0.001]	ng/m <sup>3</sup>	≤ 01(Annual)	IS 5182 : Part 12 :2004 (R : 2017)
11	Arsenic (As)	BDL[D.L.=0.1]	ng/m <sup>3</sup>	≤ 06 (Annual)	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 302
12	Nickel (Ni)	BDL[D.L.=0.1]	ng/m <sup>3</sup>	≤ 20 (Annual)	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 401-303A

#### REMARKS / OBSERVATIONS:

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.
- DL - Detection Limit

Verified By – Quality Manager

Govt. Analyst

Authorized By – Technical Manager  
/Dy. Technical Manager



Recognized by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India  
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

## ENalyze\*

### Ambient Air Quality Monitoring Report Report No. AB/BFM/11/2022-23/576

<b>Name of Client &amp; Address:</b>  <b>Bhagawati Ferro Metal Pvt. Ltd., Plot No. G-7 &amp; G-8, MIDC Malegaon, Tal- Sinner, Dist- Nashik.</b>	<b>Sample Code</b>	AB/BFM/11/2022-23/576
	<b>Sample Location</b>	Near Water Tank
	<b>Sample Collected By</b>	Aim Enviro
	<b>Sample type</b>	Ambient Air
	<b>Method of Sampling</b>	As per IS : 5182 Part 1 (RA:2018)
	<b>Date of Sampling</b>	15/11/2022
	<b>Time of Sampling</b>	12:50 pm.
	<b>Sampling Duration</b>	24 Hrs.
	<b>Ambient Temp.(Max./Min.)</b>	29.6°C/21.0°C
	<b>Relative Humidity(RH)</b>	48 %
	<b>Analysis Date</b>	17/11/2022 to 22/11/2022
	<b>Reporting date</b>	22/11/2022
	<b>Instrument Details</b>	Ambient Fine Dust Sampler, AB/Tech/Instr/132
	<b>Sample returned /stored</b>	Stored at 4°C for 1 week from the date of reporting

### TESTPARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM <sub>10</sub> )	70.88	µg/m <sup>3</sup>	≤ 100	IS 5182 Part 23 : 2006 (R: 2017)
2	Particulate Matter (PM <sub>2.5</sub> )	29.75	µg/m <sup>3</sup>	≤ 60	USEPA (40 CFR Ch.-1) L to Part 50
3	Sulphur Dioxide (SO <sub>2</sub> )	20.3	µg/m <sup>3</sup>	≤ 80	IS 5182 Part 2 : 2001(R: 2017)
4	Oxides of Nitrogen (NO <sub>x</sub> )	24.5	µg/m <sup>3</sup>	≤ 80	IS 5182 Part 6 : 2006(R: 2017)
5	Ozone (O <sub>3</sub> )	8.8	µg/m <sup>3</sup>	≤ 180 (1 Hr.)	IS : 5182 (Part 9):RA 2019
6	Lead (Pb)	0.14	µg/m <sup>3</sup>	≤ 1.0	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 401-303A
7	Carbon Monoxide (CO)	1.35	mg/m <sup>3</sup>	≤ 04 (1 Hr.)	IS 5182 : Part 10 : 1999 (R: 2019)
8	Ammonia (NH <sub>3</sub> )	11.0	µg/m <sup>3</sup>	≤ 400	IS 5182 : Part 25 : 2018
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL[D.L.=0.02]	µg/m <sup>3</sup>	≤ 05 (Annual)	IS 5182 : Part 11: 2006 (R : 2017)
10	Benzo(a)Pyrene (BaP)	BDL[D.L.=0.001]	ng/m <sup>3</sup>	≤ 01(Annual)	IS 5182 : Part 12 :2004 (R : 2017)
11	Arsenic (As)	BDL[D.L.=0.1]	ng/m <sup>3</sup>	≤ 06 (Annual)	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 302
12	Nickel (Ni)	BDL[D.L.=0.1]	ng/m <sup>3</sup>	≤ 20 (Annual)	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 401-303A

#### REMARKS / OBSERVATIONS:

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.
- DL - Detection Limit

Verified By – Quality Manager

Govt. Analyst



Authorized By – Technical Manager  
/Dy. Technical Manager

Recognized by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India  
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

## ENalyse\*

### Ambient Air Quality Monitoring Report Report No.AB/BFM/11/2022-23/577

Name of Client & Address:  Bhagawati Ferro Metal Pvt. Ltd., Plot No. G-7 & G-8, MIDC Malegaon, Tal- Sinner, Dist- Nashik.	Sample Code	AB/BFM/11/2022-23/577
	Sample Location	Near Temple
	Sample Collected By	Aim Enviro
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (RA:2018)
	Date of Sampling	15/11/2022
	Time of Sampling	01:10 pm.
	Sampling Duration	24 Hrs.
	Ambient Temp.(Max./Min.)	29.5°C/21.5°C
	Relative Humidity(RH)	48 %
	Analysis Date	17/11/2022 to 22/11/2022
	Reporting date	22/11/2022
	Instrument Details	Ambient Fine Dust Sampler, AB/Tech/Instr/133
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

#### TESTPARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM <sub>10</sub> )	62.40	µg/m <sup>3</sup>	≤ 100	IS 5182 Part 23 : 2006 (R: 2017)
2	Particulate Matter (PM <sub>2.5</sub> )	20.12	µg/m <sup>3</sup>	≤ 60	USEPA (40 CFR Ch.-1) L to Part 50
3	Sulphur Dioxide (SO <sub>2</sub> )	18.8	µg/m <sup>3</sup>	≤ 80	IS 5182 Part 2 : 2001(R: 2017)
4	Oxides of Nitrogen (NOx)	20.4	µg/m <sup>3</sup>	≤ 80	IS 5182 Part 6 : 2006(R: 2017)
5	Ozone (O <sub>3</sub> )	6.8	µg/m <sup>3</sup>	≤ 180 (1 Hr.)	IS : 5182 (Part 9):RA 2019
6	Lead (Pb)	BDL[D.L.=0.1]	µg/m <sup>3</sup>	≤ 1.0	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 401-303A
7	Carbon Monoxide (CO)	1.41	mg/m <sup>3</sup>	≤ 04 (1 Hr.)	IS 5182 : Part 10 : 1999 (R: 2019)
8	Ammonia (NH <sub>3</sub> )	7.2	µg/m <sup>3</sup>	≤ 400	IS 5182 : Part 25 : 2018
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL[D.L.=0.02]	µg/m <sup>3</sup>	≤ 05 (Annual)	IS 5182 : Part 11: 2006 (R : 2017)
10	Benzo(a)Pyrene (BaP)	BDL[D.L.=0.001]	ng/m <sup>3</sup>	≤ 01(Annual)	IS 5182 : Part 12 :2004 (R : 2017)
11	Arsenic (As)	BDL[D.L.=0.1]	ng/m <sup>3</sup>	≤ 06 (Annual)	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 302
12	Nickel (Ni)	BDL[D.L.=0.1]	ng/m <sup>3</sup>	≤ 20 (Annual)	Air Sampling & Analysis, 3rd Edition By James P Lodge Method 401-303A

#### REMARKS / OBSERVATIONS:

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.
- DL - Detection Limit

Verified By – Quality Manager

Authorized By – Technical Manager  
/Dy. Technical Manager



Recognized by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India  
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

## ENalyse\*

### Source Emission Monitoring Report Report No.AB/BFM/11/2022-23/578

<b>Name of Client &amp; Address:</b>  <b>Bhagawati Ferro Metal Pvt. Ltd.,</b> Plot No. G-7 & G-8, MIDC Malegaon, Tal- Sinner, Dist- Nashik.	Sample Code	AB/BFM/11/2022-23/578
	Sample Location/Attached To	Induction Furnace
	Sample Collected By	Aim Enviro
	Sample type	Stack
	Method of Sampling	As per IS : 11255 Part 1 (RA:2019)
	Date of Sampling	15/11/2022
	Time of Sampling	03:25 pm.
	Analysis Date	17/11/2022 to 22/11/2022
	Reporting date	22/11/2022
	Instrument Details	Stack Monitoring Kit , AB/Tech/Instr/93
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

#### STACK DETAILS

Sr. No.	Particulars	Details	Unit
1	Material of Stack	MS	--
2	Stack Height from G.L.	30	mtr.
3	Type of Stack	Round	--
4	Fuel Type	Electricity	--
5	Flue Gas Temperature	402	°K
6	Differential Pressure	2.5	mmWG
7	Velocity	6.48	m/s
8	Diameter of Stack	0.6	mtr.
9	Stack Area	0.2826	m <sup>2</sup>
10	Gas Volume	4887.42	Nm <sup>3</sup> /Hr

#### TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	Limits As Per MPCB Consent	Standard Method
1	Total Particulate Matter (TPM)	9.56	mg/Nm <sup>3</sup>	≤ 150	IS 11255 Part 1:1985(R:2019)
2	Sulphur Dioxide(SO <sub>2</sub> )	N.D.	mg/Nm <sup>3</sup>	--	IS 11255 Part 2:1985(R:2019)
		N.D.	Kg/day	--	
3	Oxides of Nitrogen(NO <sub>x</sub> )	N.D.	mg/Nm <sup>3</sup>	--	IS 11255 Part 7:2005(R:2017)

#### REMARK / OBSERVATIONS:

- All above results are within MPCB Limits.
- N.D. :- Not Detected

Verified By – Quality Manager

Govt. Analyst

-----End of Report-----

Authorized By – Technical Manager  
/Dy. Technical Manager



Recognized by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India  
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

## ENalyse\*

### Source Emission Monitoring Report Report No.AB/BFM/11/2022-23/579

<b>Name of Client &amp; Address:</b>  <b>Bhagawati Ferro Metal Pvt. Ltd.,</b> Plot No. G-7 & G-8, MIDC Malegaon, Tal- Sinner, Dist- Nashik.	Sample Code	AB/BFM/11/2022-23/579
	Sample Location/Attached To	D.G. Set No.1 ( 380 KVA )
	Sample Collected By	Aim Enviro
	Sample type	Stack
	Method of Sampling	As per IS : 11255 Part 1 (RA:2019)
	Date of Sampling	15/11/2022
	Time of Sampling	03:45 pm.
	Analysis Date	17/11/2022 to 22/11/2022
	Reporting date	22/11/2022
	Instrument Details	Stack Monitoring Kit , AB/Tech/Instr/93
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

#### STACK DETAILS

Sr. No.	Particulars	Details	Unit
1	Material of Stack	MS	--
2	Stack Height from G.L.	3.0	mtr.
3	Type of Stack	Round	--
4	Fuel Type	H.S.D.	--
5	Flue Gas Temperature	388	°K
6	Differential Pressure	5.5	mmWG
7	Velocity	9.44	m/s
8	Diameter of Stack	0.5	mtr.
9	Stack Area	0.0625	m <sup>2</sup>
10	Gas Volume	1631.91	Nm <sup>3</sup> /Hr

#### TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	Limits As Per MPCB Consent	Standard Method
1	Total Particulate Matter (TPM)	55.30	mg/Nm <sup>3</sup>	≤ 150	IS 11255 Part 1:1985(R:2019)
2	Sulphur Dioxide(SO <sub>2</sub> )	44.12	mg/Nm <sup>3</sup>	--	IS 11255 Part 2:1985(R:2019)
		1.73	Kg/day	--	
3	Oxides of Nitrogen(NO <sub>x</sub> )	4.10	mg/Nm <sup>3</sup>	--	IS 11255 Part 7:2005(R:2017)

#### REMARK / OBSERVATIONS:

- All above results are within MPCB Limits.

Verified By – Quality Manager

Authorized By – Technical Manager  
/Dy. Technical Manager

Govt. Analyst  
-----End of Report-----





Recognized by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India  
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

## ENalyse\*

### Source Emission Monitoring Report Report No. AB/BFM/11/2022-23/580

<b>Name of Client &amp; Address:</b>  <b>Bhagawati Ferro Metal Pvt. Ltd.,</b> Plot No. G-7 & G-8, MIDC Malegaon, Tal- Sinner, Dist- Nashik.	<b>Sample Code</b>	AB/BFM/11/2022-23/580
	<b>Sample Location/Attached To</b>	D.G. Set No.2 ( 380 KVA )
	<b>Sample Collected By</b>	Aim Enviro
	<b>Sample type</b>	Stack
	<b>Method of Sampling</b>	As per IS : 11255 Part 1 (RA:2019)
	<b>Date of Sampling</b>	15/11/2022
	<b>Time of Sampling</b>	04:30 pm.
	<b>Analysis Date</b>	17/11/2022 to 22/11/2022
	<b>Reporting date</b>	22/11/2022
	<b>Instrument Details</b>	Stack Monitoring Kit , AB/Tech/Instr/93
<b>Sample returned /stored</b>	Stored at 4°C for 1 week from the date of reporting	

#### STACK DETAILS

Sr. No.	Particulars	Details	Unit
1	Material of Stack	MS	--
2	Stack Height from G.L.	3.0	mtr.
3	Type of Stack	Round	--
4	Fuel Type	H.S.D.	--
5	Flue Gas Temperature	392	°K
6	Differential Pressure	6.5	mmWG
7	Velocity	10.32	m/s
8	Diameter of Stack	0.5	mtr.
9	Stack Area	0.0625	m <sup>2</sup>
10	Gas Volume	1765.00	Nm <sup>3</sup> /Hr

#### TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	Limits As Per MPCB Consent	Standard Method
1	Total Particulate Matter (TPM)	56.88	mg/Nm <sup>3</sup>	≤ 150	IS 11255 Part 1:1985(R:2019)
2	Sulphur Dioxide(SO <sub>2</sub> )	44.16	mg/Nm <sup>3</sup>	--	IS 11255 Part 2:1985(R:2019)
		1.87	Kg/day	--	
3	Oxides of Nitrogen(NO <sub>x</sub> )	4.08	mg/Nm <sup>3</sup>	--	IS 11255 Part 7:2005(R:2017)

#### REMARK / OBSERVATIONS:

- All above results are within MPCB Limits.

Verified By – Quality Manager

Authorized By – Technical Manager  
/Dy. Technical Manager

Govt. Analyst  
-----End of Report-----



Recognized by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India  
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

## ENalyze\*

### Ambient Noise Monitoring Report Report No. AB/BFM/11/2022-23/581

<b>Name of Client &amp; Address:</b>  <b>Bhagawati Ferro Metal Pvt. Ltd.,</b> <b>Plot No. G-7 &amp; G-8,</b> <b>MIDC Malegaon,</b> <b>Tal- Sinner, Dist- Nashik.</b>	<b>Sample Code</b>	AB/BFM/11/2022-23/581
	<b>Sample Collected By</b>	Aim Enviro
	<b>Sample type</b>	Ambient Noise
	<b>Method of Sampling</b>	As per IS : 4758
	<b>Date of Sampling</b>	15/11/2022
	<b>Reporting date</b>	22/11/2022
	<b>Instrument Details</b>	Sound Level Meter, AB/Tech/Instr/200

Sr. No.	Test Location	Reading		Unit
		Day Time	Night Time	
01	Near Main Gate	62.8	59.8	dB(A)
02	Near Water Tank	69.1	63.0	dB(A)
03	Near Temple	58.8	52.2	dB(A)

#### REMARK / OBSERVATIONS:

**Limits:** Maharashtra Pollution Control Board has prescribed 75 dB (A) as an upper limit of Noise Level during day time & 70 dB (A) as an upper limit of Noise Level during Night time.  
Above results are within the prescribed limits by MPCB.

Area	Category of Area	Limits dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	<75	<70
B	Commercial Area	<65	<55
C	Residential Area	<55	<45
D	Silence Zone	<50	<40

- > Note: 1 Day Time shall mean from 06:00 am to 10:00 pm
- > Note: 2 Night Time shall mean from 10:00 pm to 06:00 am

Verified By – Quality Manager

Authorized By – Technical Manager  
/Dy. Technical Manager

Govt. Analyst  
—End of Report—





# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000041794

### Submitted Date

07-05-2022

## PART A

### Company Information

#### Company Name

Bhagwati Ferro Metal Pvt. Ltd.

#### Application UAN number

NA

#### Address

MIDC Malegaon

#### Plot no

G-7 & G-8

#### Taluka

Sinnar

#### Village

Malegaon

#### Capital Investment (In lakhs)

9796

#### Scale

L.S.I. ( Large Scale Industry)

#### City

Nashik

#### Pincode

422113

#### Person Name

Mr. Surendra K Mishra

#### Designation

General Manager(COM)

#### Telephone Number

8554011122

#### Fax Number

02551230004

#### Email

bfmpl.gmcom@bhagwatisteel.co.in

#### Region

SRO-Nashik

#### Industry Category

#### Industry Type

other

#### Last Environmental statement submitted online

yes

#### Consent Number

Fomat 1.0/CAC/UAN  
No.0000090165/CO-210900143

#### Consent Issue Date

2021-09-24

#### Consent Valid Upto

2025-05-31

#### Establishment Year

2015

#### Date of last environment statement submitted

Jul 1 2021 12:00:00:000AM

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

### Product Information

#### Product Name

MS Billets

#### Consent Quantity

150000

#### Actual Quantity

129733.600

#### UOM

MT/A

CTD/TMT Bars

132000

115474.500

MT/A

### By-product Information

#### By Product Name

NA

#### Consent Quantity

0

#### Actual Quantity

0

#### UOM

MT/A

<b>1) Water Consumption in m3/day</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
<b>Water Consumption for Process</b>	0.00	0.00
<b>Cooling</b>	307.00	277.98
<b>Domestic</b>	15.00	13.50
<b>All others</b>	10.00	9.06
<b>Total</b>	332.00	300.54

<b>2) Effluent Generation in CMD / MLD</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
<b>Particulars</b>			
Domestic Effluent	9.0	8.0	CMD

<b>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
<b>Name of Products (Production)</b>			
MS Billets + CTD/TMT Bars	0	0	MT/A

<b>3) Raw Material Consumption (Consumption of raw material per unit of product)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
<b>Name of Raw Materials</b>			
MS Scrap & Spong Iron	1.10	1.13	Ton/Ton

<b>4) Fuel Consumption</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
<b>Fuel Name</b>			
Diesel	262.8	7	KL/A

## Part-C

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

#### **[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
Septic Tank followed by soak pit has been provided. No outside discharge.	0	0	NA	NA	NA

#### **[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged (Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
Induction Furnace -PM	1.90	17.35	NA	150 mg/NM3	NA : As parameter well within the limit
Induction Furnace - SO <sub>2</sub>	0	0	NA	--	NA : As parameter well within the limit

DG Set-I (380 KVA) - PM	2.06	52.77	NA	150 mg/NM3	NA : As parameter well within the limit
DG Set-I (380 KVA) - So2	1.77	45.12	NA	7.20 Kg/Day	NA : As parameter well within the limit
DG Set-II (380 KVA) - PM	2.29	56.22	NA	150 mg/NM3	NA : As parameter well within the limit
DG Set-II (380 KVA) - So2	1.98	48.51	NA	7.20 Kg/Day	NA : As parameter well within the limit

## Part-D

### HAZARDOUS WASTES

#### 1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0	0	KL/A

#### 2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
	0	0	

## Part-E

### SOLID WASTES

#### 1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Scale from CCM	2.5	3.0	MT/A
Slag	7148.35	9547	MT/A
Sludge From Dust Collector	16.5	58.090	MT/A

#### 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	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	0	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	0	KL/A	---

#### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Scale from CCM	3.0	MT/A	--

**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	0	0	0	0	0	0

**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)
Water pollution control	The production activity does not involve any use of process water, hence industrial effluent is Nil. Septic tank followed by soak pit has been provided for domestic effluent.	10
Air pollution control	The company has installed fume extraction system followed by back filter air pollution control system to control emissions generated from furnace	1.5
Hazardous Waste Management	NIL	0
Environmental Monitoring	Ambient Air Monitoring & stack emissions regularly done on half yearly basis and parameters are found within limits	1

**[B] Investment Proposed for next Year**

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

**Part-I****Any other particulars for improving the quality of the environment.****Particulars**

The Company has maintained a garden in factory premises. New plantation is done every year. The Company is making all possible efforts for abatement of pollution and keeping the surrounding environment clean. In view of increasing awareness in Global Market about Quality Management Systems, the company has obtained ISO 9007:2000 certifications. In view of increasing awareness in Global Market about Quality Management Systems, the company has obtained ISO 9007:2000 certifications.

**Name & Designation**

Surendra K Mishra , General Manager (COM)

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000041794

**Submitted On:**

07-05-2022