

Danish Envis <danish1017@gmail.com>

Submission of Six Monthly Environmental Clearance Compliance for April to September 2023. M/s. Meenakshi Ferro Ingots Pvt Ltd. Gut No. 350 and 361, Bhandgaon, Tq. Daund, Dist. Pune.

meenakshi ferro ingots <mfi_pune@yahoo.co.in>Thu, Nov 30, 2023 at 1:54 PMTo: "eccompliance-mh@gov.in" <eccompliance-mh@gov.in>, "psec.env@maharashtra.gov.in"<psec.env@maharashtra.gov.in>Cc: SRO Pune1 <sropune1@mpcb.gov.in>

To,

The Regional Officer,

Ministry of Environment, Forest & Climate Change, Regional Office (WCZ), Ground Floor, East Wing,

New Secretariat Building, Civil Lines,

Nagpur, Maharashtra - 440001

Subject: Submission of Six Monthly Environmental Clearance Compliance for April to September 2023. M/s. Meenakshi Ferro Ingots Pvt Ltd. Gut No. 350 and 361, Bhandgaon, Tq. Daund, Dist. Pune.

Ref. No.: Your issued EC: SIA/MH/IND/70976/2018 Dated: 17th Aug 2022

Period of EC Compliance: April to September 2023

Dear Sir,

With reference to subject matter above, we are submitting Compliance for obtained Environmental Clearance from State Environment Impact Assessment Authority (SEIAA), Maharashtra to our Project **M/s. Meenakshi Ferro Ingots Pvt Ltd. Gut No. 350 and 361, Bhandgaon, Tq. Daund, Dist. Pune.** We have received Environmental Clearance from SEIAA, Govt. of Maharashtra, MoEF & CC, New Delhi vide ref. no.: **SIA/MH/IND/70976/2018 Dated: 17th Aug 2022.** We are submitting the EC Compliance for the period of **April to September 2023** for your reference & further needful record. Request you to kindly acknowledge the same.

Submitted for your kind perusal.

Yours Faithfully,

For M/s: Meenakshi Ferro Ingots Pvt Ltd.

Mr. M. A. Siddiqui Director

Enclosure: EC Compliance with its Annexure Copy to:

- 1. The Sub Regional Officer, MPCB, Pune.
- 2. SEIAA, Mumbai, Maharashtra.

Thank You & Regards

Meenakshi Ferro Ingots Pvt. Ltd. E-mail: mfi_pune@yahoo.co.in, info@meenakshipune.in 11/30/23, 3:20 PM Gmail - Submission of Six Monthly Environmental Clearance Compliance for April to September 2023. M/s. Meenakshi Ferro... Tele-Fax: 020 26806664

Adm. Office: 313/314, North Block, Sacred world, Wanowrie, Pune -411040. Pl visit us at: **www.meenakshipune.in** "CONFIDENTIALITY: This communication is intended only for the use of the intended recipient(s) and may contain information that is privileged and confidential. If you are not the intended recipient, please note that any dissemination of this communication is prohibited. If you have received this communication in error, please erase all copies of the message, including all attachments, and please also notify the sender at Meenakshi Ferro Ingots Pvt. Ltd. immediately. Thank you for your cooperation."

SIX MONTHLY EC COMPLIANCE REPORTS FOR DEC-2023.pdf



MEENAKSHI FERRO INGOTS PVT LTD

(AN ISO 9001:2015 COMPANY)

Ref. No.: Date: 21/11 /2023

To,

The Regional Officer,

Ministry of Environment, Forest & Climate Change,

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

New Secretariat Building, Civil Lines,

Nagpur, Maharashtra - 440001

Subject: Submission of Six Monthly Environmental Clearance Compliance for April to September 2023. M/s. Meenakshi Ferro Ingots Pvt Ltd. Gut No. 350 and 361, Bhandgaon, Tq. Daund, Dist. Pune.

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Mr. M.A Siddiqui Director

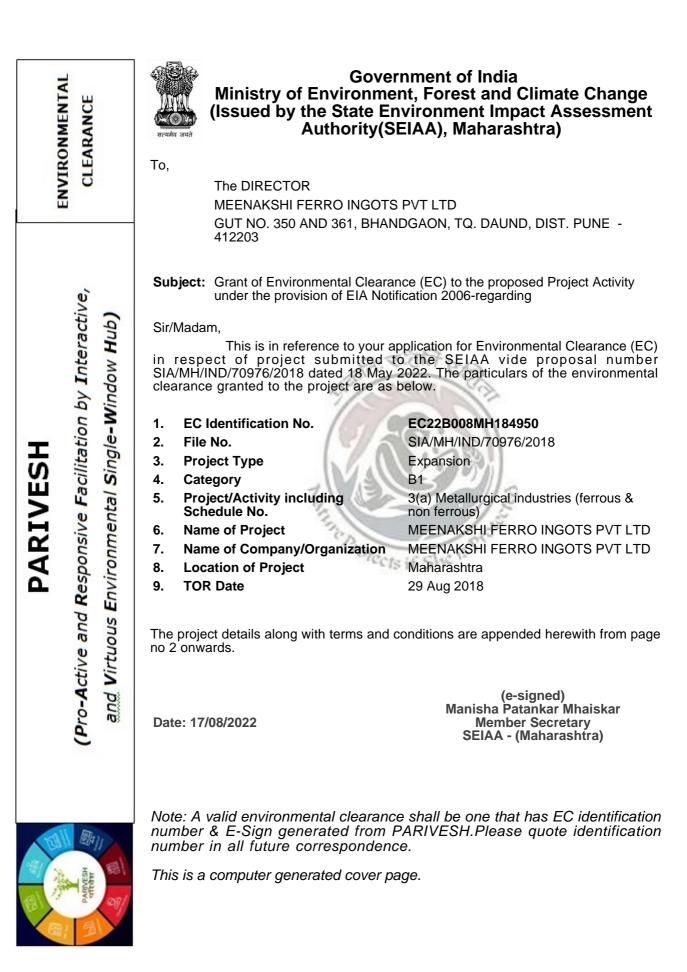
Enclosure: EC Compliance it Arbexure Copy to:

0110

Pune

- 1. The Sub Regional Officer, MPCB, Pune.
- 2. SEIAA, Mumbai, Maharashtra.

OFFICE : 313/314, North Block, Sacred World, Wanowarie Pune-411 040 WORK ADDRESS : Gut No 350-361, Bhandgaon, Khor Road, Tal-Daund, Distt-Pune - 412214



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND/70976/2018 Environment & Climate Change Department Room No. 217, 2nd Floor, Mantralaya, Mumbai- 400032.

То

M/s.MEENAKSHI FERRO INGOTS PVT LTD., Gut No.: 350 and 361, Bhandgaon, Khor Road, Yavat, Tal.: Daund, Dist.: Pune

> Subject : Environment Clearance for Expansion of MS Ingots/MS Billets Manufacturing Unit (24000 TPA to 180000 TPA) at Gut No.: 350 and 361, Bhandgaon, Khor Road, Yavat, Tal.: Daund, Dist.: Pune, Maharashtra by M/s.MEENAKSHI FERRO INGOTS PVT LTD.

Reference : Application no. SIA/MH/IND/70976/2018

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in its 180th & 224th meeting under screening category 3 (a) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 247th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

Is a Violation Case: No	
1.Name of Project	MEENAKSHI FERRO INGOTS PVT LTD
2.Type of institution	Private
3.Name of Project	MR. UMANG AGARWAL
Proponent	
4.Name of Consultant	PARAMARSH
5.Type of project	INDUSTRIAL PROJECT
6.New project/expansion in existing project/modernization/div ersification in existing project	EXPANSION OF EXISTING M.S. BILLETS/INGOTS MANUFACTURING PLANT 66.00 MTD TO 500 MTD
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	
8.Location of the project	GAT NO. 350 & 361, BHANDGAON, KHOR ROAD

9.Taluka	YAVAT					
10.Village	DAUND)				
Correspondence Name:	MEENA	KSHI FERRO INGOTS	PVT LTD			
Room Number:	313/314					
Floor:	N.A.					
Building Name:	NORTH	BLOCK, SACRED WC	PRLD			
Road/Street Name:	N.A.					
Locality:	WANOV	WARIE				
City:	PUNE					
11.Whether in Corporation / Municipal / other area	OTHER	AREA- BHANDGAON	GRAM PANCHAYAT			
	NA					
12.IOD/IOA/Concession	IOD/IOA/Concession/Plan Approval Number: NA					
/Plan Approval Number	Approve	ed Built-up Area: 00				
13.Note on the initiated work (If applicable)		State in the second s second second sec second second s second second s second second se	IVITY WILL BE START MENTAL CLEARANCE			
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)		ROM BHANDGAON GF	RAM PANCHAYAT			
15.Total Plot Area (sq. m.)	TOTAL	PLOT AREA AVAILAE	BLE IS :-25798 SQM.			
16.Deductions	Not appl	icable				
17.Net Plot area	Not appl	licable				
	a) FSI a	rea (sq. m.): Not applica	able			
18 (a).Proposed Built-up	b) Non FSI area (sq. m.): Not applicable					
Area (FSI & Non-FSI)	c) Total	BUA area (sq. m.): 650	0.765			
	Approv	ed FSI area (sq. m.): 00				
18 (b).Approved Built up	Approv	ed Non FSI area (sq. m.): 00			
area as per DCR	Date of A	Approval: 09-04-2005				
19.Total ground coverage (m2)	Not appl	licable				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not appl	licable				
21.Estimated cost of the project	1171000	00.00				
	umber of	buildings & its configu	ration			
Serial number number	&	Number of floors	Height of the building (Mtrs)			

1		Not appl	icable	_Not a	applicable	Not ap	plicable
23.Number tenants and shops	of	Not applic					
24.Number expected residents / u		Not applie	cable				
25.Tenant density per hectare		Not applie	cable				
26.Height of building(s)	the						
27.Right of (Width of th road from t nearest fire station to th proposed building(s)	ie he	Not appli	cable				
28.Turning radius for e access of fir tender mov from all arc the building excluding the width for the plantation	e ement ound g ne	INTERN IS 09 ME			IS 06 METERS	AND TURN	ING RADIUS
29.Existing structure (any 30.Details o	s) if	THE INI EXISTIN FURNAC IS WITH	DUSTRY IG SHEI CES.EXI I 20 MT	. EXPANS D INSTAL STING 4 AND 5 M	URNACE SHE SION WILL BE LING TWO N MT INDUCTIO T FURNACE I 0, B. 20 MT X	E CARRIED C EW INDUCT ON FURNAC S ALSO REP	OUT IN ION E REPLACE
demolition disposal (If applicable)		Not applicable				· ·	and dealer An an
			31	.Productio	on Details		
Serial Number	Produ	ct	Existing	(MT/M)	Proposed (MT/M)	Total (M'	Г/М)
1	MS B INGC	ILLETS/ DTS	2	000	13000	1	5000
			32. To	otal Water	Requirement		
		Source of	of water	WATER	IS SOURCED	FROM LOC	AL SUPPLIER

	Fresh water (CMD):	50 CMD FOR EXISTING ACTIVITY,100 CMD FOR PROPOSED EXPANSION ACTIVITY, 150 CMD FOR TOTAL REQUIREMENT AFTER EXPANSION
	Recycled water – Flushing (CMD):	NA
Dry season:	Recycled water – Gardening (CMD):	02 CMD FOR EXISTING GARDEN,03 CMD FOR PROPOSED ACTIVITY, TOTAL WATER REQUIRED AFTER PROPOSED ACTIVITY IS 05 CMD
	Swimming pool make up (Cum):	NOT APPLICABLE
	Total Water Requirement (CMD):	60 CMD WATER WILL REQUIRED FOR DAILY TOP UP AFTER EXPANSION
	Fire fighting - Underground water tank (CMD):	100 CMD UG TANK ALREADY CONSTRUCTED
	Fire fighting - Overhead water tank (CMD):	OVERHEAD TANK IS PROPOSED
	Excess treated water	REUSE FOR COOLING PURPOSE
	Source of water	WATER IS SOURCED FROM LOCAL SUPPLIER
	Fresh water (CMD):	50 CMD FOR EXISTING ACTIVITY,100 CMD FOR PROPOSED EXPANSION ACTIVITY, 150 CMD FOR TOTAL REQUIREMENT AFTER EXPANSION
	Recycled water - Flushing (CMD):	NOT APPLICABLE
Wet season:	Recycled water - Gardening (CMD):	02 CMD FOR EXISTING GARDEN,03 CMD FOR PROPOSED ACTIVITY, TOTAL WATER REQUIRED AFTER PROPOSED ACTIVITY IS 05 CMD
	Swimming pool make up (Cum):	NOT APPLICABLE
	Total Water Requirement (CMD) :	60 CMD WATER WILL REQUIRED FOR DAILY TOP UP AFTER EXPANSION
	Fire fighting - Underground	100 CMD UG TANK ALREADY CONSTRUCTED

		watertank (CMD):											
		Fire fightin Overhead w tank (CMD	ater	OVERHEAD TANK IS PROPOSED									
		Excess treat water	ted	REU	SE FOR	COOLIN	G PUF	RPOSE					
Details of Swimming (If any)	pool	Not applicat	ole										
		De	etails o	of Tot	al water	consumed				1			
Particula rs Consumption (CMD)					L	oss (CMD)		Efflue	nt (CM	D)			
nuqui e	Existin g	Proposed	Total		Existing	Proposed	Total	Existing	Propo sed	Tota 1			
Domestic	03	05	08		01	01	02	02	04	06			
Cooling tower & thermos pack	50	100	15	50	20	40	60	00	00	00			
Gardening	02	04	06		00	00	00	00	00	00			
Fresh water requireme nt	(daily top up) 40 daily top up	requir	ter ed for z top	00	00		00	00	00			
		Level of the Ground wa table:		20-2	5 METE	RS BELO	W GRO	DUND LE	VEL.	-			
		Size and no RWH tank and Quant	(s)			AIN WATI CORPORA							
34.Rain Water		Location of RWH tank		WITHIN WITHIN PREMISES OF COMPANY.									
Harvesting (RWH)			Quantity of recharge pits:PRO WIL		L BE 05	RAIN WA NOS, IF R BE INCRE	EQUI	RED NUN					
		Size of rec pits:	harge	WIL		AIN WATI CORPOR				N			
		Budgetary allocation (Capital co	ost) :	RS.5	500000/-								

	Budgetary allocation (O & M cost) :	RS.300000/-
	Details of UGT tanks if any :	200 SQM
35.Storm water	Natural water drainage pattern:	STORM WATER DRAIN SYSTEM WILL BE CONSTRUCTED AROUND THE PLANT.
drainage	Quantity of storm water:	480 M3 BASED ON 60 MM RAINFALL
	Size of SWD:	300 MM X 450 MM X 300 MM
	Sewage generation in KLD:	06 KLD
Sewage and	STP technology:	MBBR TECHNOLOGY
Waste water	Capacity of STP(CMD):	10 M3/DAY
	Location & area of the STP:	IN THE PREMISES
	Budgetary allocation (Capital cost):	Rs.450000/-
	Budgetary allocation (O & M cost):	Rs. 150000/-
	36. Sol	lid waste Management
Waste generation in	Waste generation:	NEGLIGIBLE
the Pre Construction and Construction phase:	Disposal of the construction wastedebris:	Not applicable
Waste	Dry waste:	EXISTING SLAG 2.45 MTD, PROPOSED SLAG 12.55 MTD, EXISTINGPROCESS DUST 81.67 KG/DAY, PROPOSED PROCESS DUST 418.33 KG/DAY.
generation in the	Wet waste:	N.A.
operation Phase:	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.

		STP Sluc (Dryslud	~.	IT WILL USE	D AS MANURE F	OR GARDENING			
		Others if	any:	NA	응원에는 지역하는 가격을 있는 것을 찾을 기가 있는 것을 많은 것을 하는 것을 것을 수 있다. 같은 것은 것을 같은 것을 하는 것을 하는 것을 하는 것을 것을 수 있다.				
		Dry waste:		RECOVERED REMAINING	BE CRUSHED AN BY MAGNETIC CRUSHED SLAG ING, CONCRETE	SEPARATOR. USED FOR			
Mode of		Wet wast	e:	NA					
Disposal of waste:		Hazardo waste:		NA					
		Biomedio waste (If applicab		NA					
STP Slue (Dryslue)		lge	USED AS M	ANURE FOR GAR	DENING.				
		Others if	any:	NA					
		Location	(s):	WITHIN IND	USTRIAL PREMIS	SES.			
Area for requirement: & Area for storage o & other material			f waste	150 SQM RE	QUIRED				
		Area for machine		400 SQM AVAILABLE					
Budgetary	7	Capital	-	RS.1000000/-					
allocation (Capital c and O&M	ost	0 & M		RS. 300000/-					
	CUSIJ.	<u> </u>	37.E1	filuent Charac	teristics				
Serial Number	Param	eters	Unit	Inlet Effluent	Outlet Effluent Characteristics	Effluent discharge			
		1.				standards (MPCB)			
1		NA	na	NA	NA	NA			
Amount of generation			hot bille	ts and furnace,	water losses is as a e	r cooling purpose for vaporation loss, the d for cooling process			
Capacity o	f the El	ГР:	NA						
Amount of effluentree			NA						
Amount of CETP:	water s	send to the	NA						
Membersh require):	ip of CI	ETP (if	NA						

be used						RPOSE.					
Disposal of	f the ETP sludge	NA 38.Hazardous Waste Details									
Serial Number	Description	Cat	Cat UOM Exist Proposed To		Total	Method of Disposal					
1	NA	NA	NA	NA	NA	NA	NA				
		39.	Stacks emi	ssion	Details						
Serial Number	Section & units	Fuel Used with Quantity		1 그는 것 모두 만들던 선생님에 다 모그럼 선생선없다.		그는 그 그는 것 같은 것을 한 성장님께 나는 것을 수상없었다.		Stac k No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	EXISTING FUME EXTRACTIO N ROTATING HOOD FOLLOWED BY SCRUBBER/ BAG FILTER PROPOSED FUME EXTRACTIO N ROTATING HOOD, DUCTING, ID FAN FOLLOWED BY VENTUR SCRUBBER/		CTRICITY	01	32	1.8	60-70				
	BAG FILTER	and and	Details of F		be used						
							Total				
Serial Number	Type of Fuel		xisting		Proposed		<u>i viai</u>				
1	ELECTRI Y	CIT	5.5 MV	N	4.5	MW	10.00 MW				
41.Source		N	ASEDCL P	OWE.	R CONNE	ECTION					
	f Transportation o	f ji se J	RANSMIS	SION	I LINE OI	F MSEDCL					
	Total R	Farea	• GREEN	BEL	T AREA I	S 8965.875	SOM.				

43.Green I Developme		Number tobe pla	of trees	450 NO	S	450 NOS						
		List of p native to	roposed rees :	NEEM, BABUL, EUCALYPTUS, MANGO, APTA ETC								
		Timelin complet plantati	ion of on :	FIVE Y								
	44.Nu	imber an	d list of t	rees spec	ies to	be plante	ed in the ground					
	Name o plant	of the	Common	Name	Quan	tity	Characteristics & ecological importance					
1	AZADIRACHA TA INDICA		NE	EM		150	FAST GROWING AND HARDY PLANT					
2	ACACIA NILOTICA		BAI	BUL		100	SHADY TREE WITH YELLOW FLOWERS					
3	BAUHINIA RACEMOSA		ААР	ААРТА			SMALL TREE WITH SMALL WHITE WHITE FLOWERS					
4	MAGNIFERA INDICA		MA	MANGO			SHADY TREE					
5		IPHUS RITIANA	BE	BER			SHADY TREE, MEDICINAL USE					
6		IMUS ELENGI	BAK	UL	50		SHADY TREE WITH SMALL WHITE FLOWER					
45.Total qu					pagios	to he pla	nted in the podium RG:					
40.11umov		Name	· · · · · · · · · · · · · · · · · · ·	Distance	peeres		Area m2					
1	CI	HINARO E	s	2*2			4					
2		GARDEN CROTON		1*1			1					
3	BLACK PHYSICNU T		J	3*3		· · ·	9					
4	A	MERICAI ALEO	N	2*2			4					
				47.En	ergy							
		Source o supply :	f power	MSEDO	CL		:					
		During Construe	ction	1 MW								

1

	Phase: (Demand Load)		
Powe	일상 관객 전 것 같아. 것 같아. 그는 그 것 같아. 그 것 같아.	320 KVA	
	During Operation phase (Connected load):		
	During Operation phase (Demand load):	10.00 MW	
	Transformer:	YES	
	DG set as Power back-up during operation phase:	320 KVA	
	Fuel used:	HSD /LDO	
	Details of high tension line passing through the plot if any:	NA	
	48.Energy savi	ng by non-con	ventional method:
NA			
	49.Detail	calculations &	% of saving:
Serial Number	Energy Conservation Mea	sures	Saving %
1	N A		NA
	50.Details	of pollution co	ontrol Systems
Source	Existing pollutionsystem	on control	Proposed to be installed
AIR POLLUTI ON FROM FURNAC E	BAG FILTER AND DU COLLECTOR	JST	BAG FILTER AND DUST COLLECTOR
NOISE POLLUTI ON FROM DG sets	ACOUSTIC ENCLOSU	IRE,	Acaustic enclosure
SOLID WASTE	COLLECTION ,SEGRE AND CRUSHING	EGATION	COLLECTION OF SOLID WASTE CRUSH IT AND SEGREGATE IT BY MAGNETIC SEPARATOR

WATER POLLUTI ON FROM DOMESTI C WASTE WATER DG sets Budget allocati	SEPTIC TANK ary Capital	cost:	OAK PIT 00 00			MENT OF DOMESTIC VATER STP PROPOSED
(Capital and O&M	cost				towy Alloo	otion
	8.2 A		*		th Break-u	
	Attributes		meter		1 otal Cost	per annum (Rs. In Lacs)
			A on Phase	(wit	h Break-up	NA D:
Serial Number	Component		iption	Capi		Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR POLLUTION CONTROL EQUIPMENT	CON	LUTION TROL MENTS		65.00	01.20
2	GREEN BELI DEVELOPME NT	AS WI MAINTI OF GREI IN PREM WHICH OF T	EN BELT THE MISES I IS33% OTAL		02.00	01.00
3	SOLID WASTE MANAGEMEN T	DISPO SOLID TO B MANUF	EA SAL OF WASTE RICK ACTURE S.		10.00	03.00
4	VASTE WATEF TREATMENT	STP W PROVIE TI TREATM DOM	ILL BE DED FOR HE MENT OF ESTIC WATER		04.50	01.50
			ONMENT GEMENT			

6	OCCI AL H S4	VITORIN G UPATION EALTH & AFETY AGEMEN	WORKERS. WELL AS WORKER W	BR ENT ENT Z S S TO AS S J ILL		03.00	01.0	0	
		T	MONITOR REGULA BASIS AN MEASURI WILL BE TAKEN CA FOR THE SA	R ID ES E RE			11.7	0	
7	<u>] </u>	NA	TOTAL (inflammable/d		2	89.50			별 제가 가방날 별가 기기 가장 날 중
Descr		Status	Location	St C:	orage apacit y in MT	Maxim um Quantit y of Storage at any point of time in MT		Source of Suppl y	Means of transport ation
N.A.		N.A.	N.A.	a. at	00	N.A.	N.A.	N.A.	N.A.
No Inform			52.		Othen ation	r			
			53.Traf	fic M	anag	ement		an a	
a Branne - Chris	n de <u>stand</u> Nacional	Nos.	of the						
		junction main design confluer	road & of						

 A provide the second sec		
	Number and area of podia:	NA
	Total Parking area:	3095.76 SQM (WHICH IS 12% OF THE TOTAL PLOT AREA.)
	Area per car:	NA
	Area per car:	NA
Parking details:	Number of 2- Wheelers as approved by competent authority:	NA
	Number of 4- Wheelers as approved by competent authority:	NA
	Public Transport:	50- 55 TRUCKS WILL BE OPERATED AFTER COMMISION OF PROPOSED UNIT FOR TRANSPORTATION OF RAW MATERIAL AND FINISHED GOODS.
	Width of all Internal roads (m):	WIDTH OF INTERNAL ROADS IS 00.00
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	CATEGORY 'B' UNDER SCHEDULE 3(a)
	Court cases pending if any	NA
	Other Relevant Information	THE EXPANSION ALONGWITH MS BILLETS WILL BE EXISTING STRUCTURAL STEEL/ROLLING MILL PLANT ALSO FROM 2000 MTM TO 15000 MTM.
	Have you previously submitted Application	No

online on MOEF Website.		
Date of online submission		

3. The proposal has been considered by SEIAA in its 247th (Day-2) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions: SEAC Conditions-

- 1. PP to provide social infrastructure like sanitation facility/ Clean drinking water and solar power from their CER fund in consultation with the CEO Zilla Parishad, Pune.
- 2. PP to ensure removal of waste slag twice a week.
- 3. PP to ensure compliance of recommendations of the Risk Assessment. PP to appoint a safety officer having qualification as per Factories Act.
- 4. PP to provide STP for the treatment of domestic sewage.
- 5. PP to include carbon and water foot print monitoring in their management plan. PP to take necessary steps in reduction of water and carbon foot print through various modern technologies.

SEIAA Conditions

- 1. PP submitted ADTP plan dated 31.03.2005. As per the said plan total plot area is 25798.35 m2 and Plantation area provided is 8965.875 m2. Green Belt area of 8823.62 m2 is provided by PP i.e.34.21 % of total plot area.
- 2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
- 3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
- 4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
- 5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
- 6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
- 7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
- 8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure

compliance of recommendation of the Audit.

- 9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
- 10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
- 11. PP to provide roof top Rain Water Harvesting facility.
- 12. PP to ensure that proposed project is ZLD.

General Conditions:

- I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <u>http://parivesh.nic.in</u>
- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1sr December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
 - IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
 - X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.

- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

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

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

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

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

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

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

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

Manisha Patankar (Member Secretary,

Copy to:

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

Environmental Clearance Compliance Statement

Project Name: Proposed Expansion of Production of MS Billet Capacity 24000 TPA to 180000 TPA and Rolling mill 24000 TPA to 180000 TPA.

at Gut No: 350 & 361, Bhandgaon, Khor Road Yavat,

Tal – Daund, Dist: Pune Maharashtra by

<u>M/s. Meenakshi Ferro Ingots Pvt Ltd.</u>

Category of the Project: Ferrous & Non-Ferrous B1

Ref. No.: SIA/MH/IND/70976/2018 Dated: 17th August 2022

EC Compliance Period: APRIL to SEPTEMBER 2023

S. N.	Conditions	Compliance
	SEAC CONDITIONS	
i.	PP to provide social infrastructure like	Noted & Complied.
	sanitation facility/Clean drinking water	We have submitted the CER (Comprehensive
	and solar power from their CER fund in	Emergency Response) plan to the District
	consultation with the CEO Zilla Parishad,	Collector to ensure the safety and well-being of
	Pune.	our community. We are now actively working in
		collaboration with the District Collector to
		implement this plan and have enclosed an
		acknowledgment as proof of submission.
ii.	PP to ensure removal of waste slag twice	Noted and complied.
	a week.	We crushed the slag and after crushing it sold it
		to a brick manufacturing industry, this process
		takes place daily, and the slag is not stored
		for more than one or two days.
iii.	PP to ensure compliance of	Noted and complied.
	recommendations of the Risk	In compliance with the Factories Act, a risk
	Assessment. PP to appoint a safety officer	assessment study is conducted, a safety officer is
	having qualification as per Factories Act.	appointed, and the study's suggestions are
		implemented.
iv.	PP to provide STP for the treatment of	Noted and complied.
	domestic sewage.	We will provide the 10 CMD STP, and the treated

		water will be used for gardening and spraying purposes on the plant premises.
V.	PP to include carbon and water foot print monitoring in their Management plan. PP	Noted and being complied. Analysis has been done on the carbon and water
	to take necessary steps in reduction of	footprints, and both have been subjected to
	water and carbon foot print through	environmental management plan monitoring.
	various modern technologies.	We are working carefully to use innovative,
		revolutionary technology to reduce both carbon
		and water footprints.
	SEIAA CONDITIONS	
I.	PP submitted ADTP plan dated	Complied it.
	31.03.2005, as per the said plan total plot	In order to develop a green belt, we have allotted
	area is 25798.35m2 and plantation area	8965.875 SQM of space, planted 1450 trees in
	provided is 8965.875 m2. Green belt area	accordance with standards, and are steadily
	of 8823.62 m2 is provided by PP	adding more trees every day.
	i.e.34.21% of total plot area.	
II.	PP to undertake Miyawaki plantation of	Complied it.
	native and indigenous trees such as	We have planted enough natural and indigenous
	Banyan, Peeple, Neem, Jamun and other	trees, such as banyan, people, neem, jamun, kher,
	suitable trees as per the Forest	hiwar, and sisam, on 34.21% of the total land.
	Department, Govt. of Maharashtra	Under the Department of Forests' guidelines, the
	circular no SaVaVi-2019/C.R.3/F-11,	Miyawaki dense forest concept is being applied.
	Dated 25th June 2019. The said	
	plantation to be completed in the first	
	year of operation of Environmental	
	Clearance under expert guidance of	
	Miyawaki expert/ arborist.	
III.	PP to strictly observe the Solid Waste	Noted and complying with.
	Management Rules 2016 as amended	The solid waste generated i.e. slag is crushed and
	time to time.	routinely sold out to the brick manufacturer.
IV.	PP strictly observe the Hazardous and	Agreed to Comply.
	Other Wastes (Management &	Our industrial activity is not involved in
	Transboundary Movement) Rules 2016	generating hazardous waste or use in the
	as amended time to time.	process.

V.	PP to identify all sources of fugitive air	To reduce fugitive emissions, water is frequently
	pollution on site and provide pollution	sprayed on the approach road and inside the
	control measures to mitigate pollution	roadways of industrial buildings. Green belts
	and meet the standard parameters	have been developed around the whole
	stipulated in the Environment	perimeter of the project site to prevent the
	(Protection) Rules, 1986 amended time to	spread of dust caused by project operations. To
	time & Air (Prevention and Control of	meet MPCB requirements, Bag filter and dust
	Pollution) Act, 1981 amended time to	collection systems, de-dusting systems, and dust
	time.	suppression systems—like water spraying—are
		provided.
VI.	PP ensure storage of chemicals as per the	Agreed to comply
	Manufacture, Storage and Import of	In our industry, we do not use any type of
	Hazardous Chemicals Rules, 1989	chemicals for production or any other industrial
	amended time to time to ensure no	operations.
	release of any chemical to the atmosphere	
	and leakage to the soil.	
VII.	PP to ensure transport, storage, handling	Agreed to comply.
	and use of the flammable/toxic chemicals	
	as per conditions stipulated in	
	license/approval of the Petroleum &	
	Explosive Safety Organization (PESO).	
VIII.	PP to obtain approval and license from	Noted and complied.
	the Directorate of Industrial Health &	We have the Certificate from the Directorate of
	Safety (DIHS) for proposed project and	Industrial Health & Safety (DIHS), we have
	implement all condition stipulated	implemented the stipulated conditions, and
	therein. PP to carry out Safety Audit as	safety audit and report are available in the
	stipulated in the Maharashtra Factories	factory.
	Rules, 1963, and ensure compliance of	
	recommendation of the Audit.	
IX.	PP to Provide solar energy for	Noted and complied.
	illumination of Administrative Building,	We have installed LED-based lighting all over the
	Street Lights and parking Area.	industrial premises as well as in the office
		building, To reduce energy consumption and all
		the system is on solar energy.

17		A much to complete
X. XI. XII.	PP to ensure use of briquettes / bio coal/ pellets or any such suitable product derived from scientific processing of appropriate stream of dry waste/ agricultural waste, not less than 50% of the total fuel requirement to the boiler. PP to provide roof top Rain Water Harvesting Facility. PP to ensure that proposed project is ZLD.	Agreed to comply Our fuel for the induction furnace is electricity, and for the Reheating furnace fuel is Coal. Complied it. Collection tanks and recharge pits are provided. Noted and complied. The industry manufacturing process does not produce effluent. Instead of continuously drawing new water for cooling purposes, we settle down and reuse water to conserve water resources and minimize the overall water footprint of the manufacturing process, Domestic wastewater generated within the facility is treated in a Sewage Treatment Plant (STP). The treated water from the STP is further utilized for gardening purposes. We use the treated water for non-potable applications, such as gardening, for a sustainable practice that contributes to water conservation and reduces the demand for freshwater resources.
	GENERAL CONDITIONS	
i.	The project proponent shall advertise at	The advertisement was published in both
	least in two local newspaper widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this latter, informing that the project has been accorded Environmental Clearance and	English and Marathi Languages, dated: 22. 08. 2022, Copy for the same is enclosed.

	copies of Environmental Clearance letter	
	Pollution Control Board, website of the	
	company and may also be seen at Website	
	at http://parivesh.nic.in	
ii	The project proponent shall upload the	We are regularly submitting six monthly EC
	status of compliance (soft copies) of the	compliance reports on time along with the
	conditions stipulated Environmental	monitoring reports, and the same has been
	Clearance letter including monitoring	submitted to the MPCB & the regional office of
	data of air, water, soil, noise etc. on their	MoEF & CC at Nagpur.
	website and shall update the same	
	periodically. The half yearly compliance	
	report shall simultaneously be submitted	
	to the Maharashtra Pollution Control	
	Board, SEIAA and the Regional Office of	
	MoEF& CC at Nagpur, on Ist June & Ist	
	December of each calendar year	
iii	Separate fund shall be allocated for the	Noted.
	implementation of Environmental	We guarantee that the funds we have set aside
	Management Plan along with item wise	specifically for EMP, divided up item by item,
	break up and specific time line for its	won't be misused or diverted. Reports for the
	completion. The cost shall be included as	same are submitted to the MPCB and SEIAA.
	part of the project cost. The funds	
	earmarked for the environmental	
	protection measures shall not be diverted	
	for other purpose and year-wise	
	expenditure should be reported to the	
	MPCB and SEIAA.	
iv	A separate Environmental Management	In our industry, we have in house Environmental
	Cell with qualified personnel shall be set	Management Cell with qualified staff in each
	up for implementation of the stipulated	sector, safety, environment, and factory act.
	environmental safeguards.	
	0	

V	In the event of failure of any pollution	Noted.
	control equipment, the manufacturing	If this kind of incident occurs, we immediately
	activity shall be immediately stopped	halt all operational activities till the system is
	safely till the effective functioning of	fully functional.
	pollution control equipment's is regained.	
vi	PP to strictly follow conditions stipulated	Noted and being complied.
	in the Consent to Establish/ Operate	
	issued by the Maharashtra Pollution	
	Control Board.	
vii	PP to provide separate drains for storm	Noted and complied.
	water and effluent, and ensure that, the	We have provided Separate drains for the
	storm water drain are dry all the time and	stormwater and domestic wastewater, so they
	in no case the effluent shall mix with the	do not get mixed.
	storm water drain.	
	Periodic monitoring of ground water in	Noted and complied.
	the study area as marked in the	We are regularly submitting the periodic
	Environmental Impact Assessment	monitoring report on time along with the six
	Report shall be undertaken and results	monthly ec compliance report, copy for the same
	analysed to ascertain any change in the	is enclosed.
	quality of water. Results shall be regularly	
	submitted to the Maharashtra Pollution	
	Control Board.	
viii	The overall noise level in and around the	Noted and complied.
	factory premises shall be kept within the	We have provided adequate noise control
	prescribed standard under the	measures to machinery, we do regular oiling and
	Environment (Protection) Act, 1986 and	greasing to it to reduce the machine frictions,
	Rule, 1989 as amended from time to time	employees are equipped with the ear plugs,
	by providing adequate noise control	muffs etc.
	measures and protective equipment's like	
	ear muff and ear plug etc.	
ix	Adequate safety measures shall be	We have provided a complete firefighting
	ensured to limit the risk zone within the	system, At the office and furnace locations and
	factory premises. Leak detection system	potential safety measures are provided in place
	shall be installed for early detection and	to reduce the risk zone inside the plant

mitigation purpose.		boundary.
	ously follow the aharashtra Factories 963 as amended from	Noted and complying with.
financial year end Form-V as is manda by the Project concerned Pollution prescribed under (Protection) Rule, 19 time to time, it sha website of the com status of the complia	Statement for each ing on 31st March ated to be submitted Proponent to the n Control Board as the Environment 989 as amended from Il also be put on the pany along with the ance of the conditions the Environmental	Noted and complying with. We are regularly submitting the Environmental Statement Report on time, a copy of the same is enclosed.



जिल्हा परिषद पुणे जिल्हा पाणी व स्वच्छता मिशन कक्ष स्वच्छ भारत मिशन (ग्रामीण) नविन प्रशासकीय इमारत, डॉ. बाबासाहेब आंबेडकर रस्ता, पुणे - १



जा.क्र. जिप/स्व.भा.मि./ME/CSR/ १६५/२०२० प्रति, मा. संचालक, MEENAKSHI FERRO INGOTS Pvt. Ltd.

दिनांक २५/०२/२०२०

भांडगाव, ता. दौंड, जि. पुणे

विषय : CER व CSR अंतर्गत भांडगाव येथिल प्रस्तावित विकास कामे पूर्ण करणे बाबत ... संदर्भ : आपले दिनांक ०६/०२/२०२० रोजीचे पत्र

उपरोक्त संदर्भीय पत्रान्वये औद्योगीक प्रकल्पाच्या प्रास्ताविक विस्तारीकणांतर्गत राबविण्यात येणा-या CSR व

CER अंतर्गत रक्कम रुपये ३,५०,०००/- (अक्षरी र. रु. तीन लक्ष पन्नास हजार) अनुदान खर्च करणेबाबत सुचित केले आहे.

त्यानुसार ग्रामपंचायत भांडगाव कार्यक्षेत्रामध्ये खालील प्रमाणे प्रस्तावित विकास कामे व त्यासाठीचा खर्च.

अ. क्र.	प्रस्तावित कामे	
१	पथ दिवे	खर्च रक्कम रुपये
2	भांडगाव गावाकरीता पाणी पुरवटा योजना (पुरंदर सिंचन प्रकल्पांतर्गत)	8,00,000/-
ş	अंगणवाडी (अ प्रकाशव्यवस्था व भाषानी (पुरदर सिचन प्रकल्पातगंत)	2,00,000/-
	अंगणवाडी (अ. प्रकाशव्यवस्था, ब. शाळासिध्दी योजनांतर्गत शाळांना मदत)	8,40,000/-
	े एकुण खर्च रक्कम रुपये	3,40,000/-

वरिल प्रमाणे ग्रामपंचायत भांडगाव येथील प्रस्तावित विकास कामास र. रु. ३,५०,०००/- इतका खर्च येणार

असून सदरचे प्रस्तावित विकास कामे आपले कंपनी मार्फत करुन देणेत यावे ही विनंती.

میں (عیم) उपमुख्य कार्यकारी अधिकारी (पा व स्व) जिल्हा परिषद, पुणे

प्रत माहीती व उचित कार्यवाहीस्तव गटविकास अधिकारी (उ. श्रे.), पंचायत समिती, दौंड

प्रत माहीतीस्तव सविनय सादर मा. मुख्य कार्यकारी अधिकारी, जि. प. पुणे

11

MEENAKSHI FERRO INGOTS PVT. LTD.

A Qualitrusted Name

313/314, North Block, Sacred World Wanowarie, Pune - 411 040 Tel.: 020 26806664 / 5

(An ISO 9001:2008 Company)

mfi_pune@yahoo.co.in www.meenakshipune.in

R. 22.01-2020.

ЯК	,		
मा.	जिल्हाधि	कारी	साहेब,
নি	न्हाधिकारी	कार	र्गलय,
पुणे			

विचयः प्रकल्प विस्तारीकरनातंर्गत राबविण्यात येणार्यासकॉपॉरेट सोशल रीस्पोन्सिबीलीटी (CSR) आराखड्यासमार्गदर्शन मिळणे बाबत

माननीय महोदय,

में. मिनाक्षी फेरो इंगोट्स प्रा. लि. ही कंपनी सन, २००७ मध्ये, गट नं.३५० आणि ३६१,भांडगाव खार रोड, यावल एमआयडीसी, तहसील- दौंड, जिल्हा- पुणे येथे स्थापन करण्यात आलेली आहे. सद्यस्थितीत या कंपनीमध्ये एम.एस.इंगोट्स / बिलेट्सचे २००० टनप्रतिमहिना उत्पादन घेतले जात असून प्रस्तावित प्रकल्प विस्तारीकरणानंतर सदर उत्पादन निर्मितीमध्ये वाढ होऊन ते १५००० टनप्रतिमहिना इतकेघेण्यात येणार आहे.

उपरोक्त नसूद विस्तारीकरण करण्यासाठी आम्ही पर्यावरण विभागाक डेपूर्व 'परवानगी मिळण्यासाठी अर्ज केलेला आहे. त्याअनुषंगाने या कंपनीचा भविष्यात विस्तार झाल्यावर होणाऱ्या उत्पन्नातून कंपनी कायद्या प्रमाणे कॉर्पोरेट सोशल रीस्पोन्सिबीलीटी (CSR) अंतर्गत होणाऱ्या खर्चाचे नियोजन पत्रक पर्यावरण विभा गातील कार्यरत कमिटीसमोरसादर करावयाचे आहे. सदर नियोजन पत्रकात आम्ही विविध सामाजिक उपक्रमात करणाऱ्या खर्चाचे नियोजन केलेले आहे व ते या पत्रासोबत जोडले आहे.

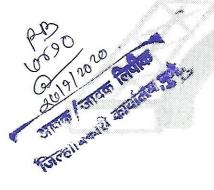
तरी पुणे जिल्हयाच्या विकासाच्या दष्टीने आम्ही तयार केलेला कॉर्पोरेट सोशल रीस्पोन्सिबीलीटी (CSR) प्लान योग्य आहे किंवा कसे व या मध्ये जर काही सुधारणा करावयाची असेल तर तसे आम्हास मार्गदर्शन करावे, जेणेकरून आम्हाला सदर बाबींचा आमच्या कॉर्पोरेटसोशलरीस्पोन्सिबीलीटी (CSR) प्लान मध्ये समावेश करता येईल.

60000

vshi

027

धन्यवाद.



आपला.

गोट्स प्रा. लि. करिता

में. मिनाक्षी फेरो

धिकृत अधिका

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313/314, North Block, Sacred World, Wanowarie, Pune - 411 040. Tel.: 020 268066664 / 5

MEENAKSHI FERRO INGOTS PVT. LTD.

(An ISO 9001:2008 Company)

mfi_pune@yahoo.co.in www.meenakshipune.in

Date: 22.01.2020

To, Honourable Collector, Collector Office, Pune, Maharashtra – 411001.

Subject: To get guidance for proposed CER activity under expansion of our project regarding. (SEIAA STATEMENT -0000001523)

Sir's,

We M/s. Meenakshi Ferro Ingots Pvt. Ltd. Located at Gut No: 350 & 361, Bhandgaon, khor road, Yavat, Taluka- Daund, District- Pune, Maharashtra.

We have proposed CER activity details committing the amount & period which we take up along with the development of the proposed project.

We shall abide to the OM-F.NO. 22-65/2017 – IA.III,Dtd- 01/05/2018, for conducting the activity. The details are submitted herewith.

Regards, For M/s. Meenakshi Ferro Ingots Pvt. Ltd. Bhandgaon-Yavat, Taluka- Daund, District- Pune

Authorized Signatory



313/314, North Block, Sacred World, Wanowarie, Pune - 411 040. Tel.: 020 26806664 / 5

MEENAKSHI FERRO INGOTS PVT. LTD.

(An ISO 9001:2008 Company)

mfi_pune@yahoo.co.in www.meenakshipune.in

Corporate Environment Responsibility (CER) – Budget

Sr. No.	Particular/ Specific Activity	CER Budget (Lakh)
1	Plantation in surrounding villages	6.00 .
2	Environment Awareness Programmes	3.00
3	Solid waste management	3.00
	Total	12.00

For M/s. Meenakshi Ferro Ingots Pvt. Ltd. eenaksh, (Yawat) Authorized Signatory

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जाहिर प्रगटन

आम्ही में. मिनाक्षी फेरो इंगोट प्रा. लि. भांडगाव, या प्रगटना जाहीर सूचित करतो कि, भारत सरकार वने, पर्यावरण व वातावरण बदल मंत्रालय (राज्य पर्यावरण आधात मुल्यांकन विभाग) महाराष्ट्र यांनी आमच्या में. मिनाक्षी फेरो इंगोट प्रा. लि. भांडगाव च्या एम. एस. बिलेट ६६.६६ मेट्रिक टन प्रति दिवस ते ५०० मेट्रिक टन प्रति दिवस व रोलिंग मिल २००० मेट्रिक टन प्रति दिवस ते १५००० मेट्रिक टन प्रती दिवस व रोलिंग मिल २००० मेट्रिक टन प्रती महिना ते १५००० मेट्रिक टन प्रती महिना गट क्र. ३५० व ३६१, भांडगाव, खोर रोड, येवत, ता. दौंड, जि. पुणे, महाराष्ट्र पर्यावरण मंजुरी दिनांक १७ /०८ /२०२२ असुन पर्यावरण परवानगी ओळख क्रमांक: - EC22B008MH184950 फाईल क्र. - SIA/MH/IND/70976/2018

सदरील पर्यावरण मंजुरीची प्रत आमचे कार्यालय व प्रादेशिक कार्यालय प्रदूषण नियंत्रण मंडळ, पुणे यांच्या कार्यालयात उपलब्ध आहे. भारत सरकार वने, पर्यावरण व वातावरण बदल मंत्रालय (राज्य पर्यावरण आघात मुल्यांकन विभाग) महाराष्ट्र यांच्या सांकेतिक स्थळावर प्रकाशित केला आहे. (सांकेतिक स्थळ (https://parivesh.nic.in/)

मे मिनाक्षी फेरो इगोट प्रा लि भाडगाव

TIMES NATION

* THE TIMES OF INDIA, PUNE MONDAY, AUGUST 22, 2022

Public Notice

We, M/s. Meenakshi Ferro Ingots Pvt. Ltd., Hereby bring to the notice that Government of India, MoEF & CC (Issued by the State Environment Impact Assessment Authority (SEIAA) Maharashtra. EC Identification No. -EC22B008MH184950 File No. SIA/MH/IND/70976/2018 Date of Issue EC - 17/08/2022 "Environmental Clearance" to our proposed expansion of MS billets/ingots is 66.66 MTD, proposed expansion by capacity 433.33MTD, total capacity after expansion will be 500 MTD. Rolling mill (Structural Steels and TMT Bars) capacity 2000 MTM to 15000 MTM. at GUT NO. 350 AND 361, BHANDGAON, TQ. DAUND, DIST. PUNE. Maharashtra. Environment clearance letter is available with our office, Regional Office M.P.C.B, Pune& on the website of Government of India, MoEF &CC.(SEIAA, Maharashtra) (https://parivesh.nic.in/) M/S Meenakshi Ferro Ingots Pvt. Ltd., sd/-Director

MAHARASHTRA POLLUTION CONTROL BOARD

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



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

RED/M.S.I (R53) No:- Format1.0/APAE Section/UAN No.MPCB-CONSENT-0000132970/CR/2209002072

To, M/s. MEENAKSHI FERRO INGOT PVT LTD Gut No: 350 and 361, Vill. Bhandgaon, Khor Road, Tq. Daund, Dist. Pune-412214, Maharashtra.



Date: 30/09/2022

Your Service is Our Duty

Sub: Renewal of Consent to Operate under RED/MSI Category

- **Ref:** 1. Earlier consent to operate granted vide No. APAE Section/UAN No. 99262/CR/CC-1619 dtd. 24/08/2021 valid upto 30/04/2022.
 - 2. Application for renewal of consent vide UAN No. 132970 dtd. 27/02/2022
 - 3. Show cause notice issued vide letter No. BO/JD(APC)/SCN/UAN No.132970/B-0001 dtd. 12/07/2022.
 - 4. Reply submitted by industry vide letter dtd. 19/07/2022.

Your application No.MPCB-CONSENT-0000132970 Dated 25.02.2022

For: grant of Consent to Renewal 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 renewal is granted for a period up to 31/07/2023
- 2. The capital investment of the project is Rs.13.27 Crs. (As per C.A Certificate submitted by industry)

3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	иом		
Prod	Products				
1	M. S. Billets	2450	MT/M		
2	Structural Steel , Square and Round	2000	MT/M		
3	Bar Flat Square	500	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

MEENAKSHI FERRO INGOTS PVT LTD/CR/UAN No.MPCB-CONSENT-0000132970 (30-09-2022 06:19:14 pm) /QMS.PO6_F02/00

Sr No	Description	Permitted	Standards to	Disposal	
2.	Domestic effluent	1.5	As per Schedule-I	On land for gardening	

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

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	INDUCTION FURNACES (Capacity 05 MT AND 04 MT)	1	As per Schedule -II
2	S-2	ROLLING MILL-1	1	As per Schedule -II
3	S-3	ROLLING MILL-2	1	As per Schedule -II

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	SLAG	175	MT/M	SLAG CRUHER	SALE TO BRICK MANUFACTURERES

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
	NA				

- 8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 10. The applicant obtain Environmental Clearance as per EIA Notification 2006 and Notification No. S.O.3250(E) dtd. 20/07/2022 issued by Ministry of Environment, Forest and Climate Change, Government of India on or before 19/07/2023.
- 11. The industry shall operate secondary emission control systems regularly and maintain properly.
- 12. Applicant shall not use ground water for industrial activity without obtain Central Ground Water Authority (CGWA) NOC. If failed to submit CGWA NOC within 3 months consent will be automatically revoke.
- 13. The existing Induction Furnaces having capacity 5 Ton/heat and 4 Ton/Heat use only for manufacturing of M.S. Billets.
- 14. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	150000.00	TXN2202003455	27/02/2022	Online Payment

Earlier balance consent fee of Rs.25,000/- considered in this renewal. Hence total consent fee of Rs. 1,75,000/- (Rs.25000/- + Rs. 150000/-). Out of this total fee of Rs. 1,12,500/- balance with Board will be consider during next renewal.

Copy to:

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



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] Trade Effluent Generation : nill
 - B] Trade effluent treatment : NA
 - C] Trade effluent disposal : NA
- ²⁾ A] As per your application, you have septic tank and soak pit for the treatment of 1.5 CMD sewage.
 - B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1	Suspended Solids	Not to exceed	50 mg/l
2	BOD 3 days (27°C)	Not to exceed	30 mg/l
3	COD	Not to exceed	100 mg/l

- C] The treated sewage shall be utilized for gardening. In no case, treated sewage shall be disposed of outside factory premises.
- 3) 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		10.00
2.	Domestic purpose	5.00
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.	Grandening	0

- 4) Prior permission shall be obtained from CGWA / irrigation department if ground Water/surface water is being used for industrial/Domestic purpose.
- 5) The Board reserves its right to review plans, specifications or other data relating to plant setup for the treatment of water works for the purification thereof & the system for disposal of sewage or trade effluent or in the 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 or disposal system or and extension or addition thereto.
- 6) The Applicant shall provide specific water pollution control system as per the condition of EP Act,1986, and rules made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
S-1	INDUCTION FURNACES Capacity 05 MT & 04 MT	BAG FILTER	36	ELECTRICITY	00NA	0.00	0.00
S-2	ROLLING MILL No.1	DUST COLLECTION SYSTEM	30	ELECTRICITY/COAL	400 Kg/Hr	0.50	50.00
S-3	ROLLING MILL No. 2	DUST COLLECTION SYSTEM	18	ELECTRICITY/COAL	150 Kg/Day	0.50	50.00

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.

F. Rolling Mills						
Particulate Matter (PM)	150 mg/Nm ³					
SO ₂	50 Kg/day					
J. Induction Furnaces						
Particulate Matter (PM)	150 mg/Nm ³					

- 3) The internal roads shall be cement concrete and shall be maintained with adequate green belt.
- 4) The industry shall not cause any nuisance in surrounding area.
- 5) Industry shall install 24*7 online continuous emission monitoring system at process stack to monitor stack emissions as per CPCB guidelines and it's connectivity to CPCB & MPCB Servers. PP shall Calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- 6) A) Noise Levels Standards

1.00 AM – 10.00 PM Noise level Leq 75 dB (9A) 10.00 PM - 6.00 AM Leq 70 dB (A)

B) Fugitive Emission Standards

The fugitive emissions level of suspended particulate matter (SPM) should not exceed 2000 μ g/m3.The applicant shall install de-dusting system at the following locations & monitor the fugitive emissions levels and submit report to the board monthly.

- a. The existing industry shall comply with the standard of 2000 ug/m^3
- b. Fugitive emission shall be monitored at a distance 10 meters from the source of fugitive emissions as per following.

Sr. No.	Area	Monitoring Location
1.	Raw material handling area	Wagon tippler, Screen area, Transfer Points, Stock Bin area.
2.	Crusher area	Crushing plant, vibrating screen, transfer points.
3.	Raw material feed area	Feeder area, Mixing area, transfer points, days bins
4.	Cooler discharge area	Over size discharge area, Transfer points.
5.	Product processing area	Intermediate stock bin area. Vibrating screens, Magnetic Separation unit. Transfer Points, Over Size discharge area, Product separation area, Bagging area, hoppers/storage bins.

C) Other Conditions



	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	Rs. 3 Lakhs	15 days	Towards O & M of pollution control systems and compliance of consent conditions	Continuous	31/08/2023		
2	C to R	Rs.2 Lakhs	15 days	Towards O & M of secondary emission control systems	Regular activity	31/08/2023		

BG Forfeiture History

Srno.	LONSANT	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	BG
			NA			

BG Return details

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

H NA



SCHEDULE-IV

General Conditions:

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

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

- 24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
- 25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
- 30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
- 31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.

Maharashtra Pollution Control Board



महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V (See Rule 14) Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number MPCB-ENVIRONMENT_STATEMENT-0000061859

PART A

Company Information

Company Name	Application UAN number	
M/S: MEENAKSHI FERRO INGOTS PVT LTD	MPCB-CONSENT-0000132970	
Address GUT NO 350 & 361, VILL. BHANDGAON, KHOR ROAD, TAL: DAUND, DIST: PUNE.		
Plot no 350 & 361	Taluka DAUND	Village BHANDGAON
Capital Investment (In lakhs) 1327	<i>Scale</i> M.S.I.	City PUNE
Pincode 412214	Person Name M.A. SIDDIQUI	Designation DIRECTOR
Telephone Number 9049990813	Fax Number 00	Email mfi_pune@yahoo.co.in
Region SRO-Pune I	<i>Industry Category</i> Red	Industry Type R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units
Last Environmental statement submitted online	Consent Number	Consent Issue Date
yes	Format1.0/APAE Section/UAN No.MPCB- CONSENT-0000132970/CR/2209002072	2022-09-30
Consent Valid Upto	Establishment Year	Date of last environment statement submitted
2023-07-31	0	Sep 29 2022 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information			
Product Name	Consent Quantity	Actual Quantity	UOM
MS BILLETS	29400	4391.081	MT/A
STRUCTURAL STEEL, SQUARE, ROUND AND BAR FLAT SQUARE	30000	23857.83	MT/A

By-product Information By Product Name

Consent Quantity

Actual Quantity

Submitted Date

30-09-2023

UОМ

MT/A

Part-B (Water & Raw Material Consumption)

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	0.00	0.00
Cooling	10.00	9.00
Domestic	5.00	5.00
All others	0.00	0.00
Total	15.00	14.00

0

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

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	ИОМ
MS BILLETS	0.85	1.21	CMD
STRUCTURAL STEEL, SQUARE, ROUND AND BAR FLAT SQUARE	3.50	4.78	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
MS SCRAPS/ SPONGE IRON AND OTHER MINERALS	22745.58	32751.120	MT/A

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
COAL	00	46.8	MT/A
ELECTRICITY	00	46186.512	Mwh

Part-C

[A] Water					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
NA	00	00	0	0	NA
[B] Air (Stack)					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
SPM/TPM	00	56.33	NA	150	NA
S02	00	1.87	NA	80	NA

Part-D					
HAZARDOUS WASTES					
1) From Process					
Hazardous Waste Type Tot	tal During Previous	Financial year	Total Durin	ng Current Financial year	UOM
0 0		(0		MT/A
2) From Pollution Control Fa	acilities				
Hazardous Waste Type	Total During Previ	ous Financial year	Total Dur	ing Current Financial year	UOM
0	0		0		MT/A
Part-E					
SOLID WASTES					
1) From Process Non Hazardous Waste Type	Total During Brow	ious Einansial voar	Total Duri	ng Current Financial year	UOM
SLAG	910	ious rillaliciai yeal	1279.70	ng current rinancial year	MT/A
	910		1279.70		MI/A
2) From Pollution Control Fa					
Non Hazardous Waste Type	Total Durii	ng Previous Financial yea	r Tota	l During Current Financial year	UOM
NA	00		00		MT/A
3) Quantity Recycled or Re-	utilized within the				
unit _					
Waste Type		Total During Previous year	Financiai	Total During Current Financial year	UOM
0		00		00	MT/A
Part-F					
Please specify the characte indicate disposal practice a			m) of haza	rdous as well as solid wastes and	d
1) Hazardous Waste					
Type of Hazardous Waste G	enerated Q	ty of Hazardous Waste	UOM	Concentration of Hazardous Was	ste
0	0	0	MT/A	00	

2) Solid Waste			
Type of Solid Waste Generated	Qty of Solid Waste	ИОМ	Concentration of Solid Waste
SLAG	1279.70	MT/A	NA

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)		Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
00	00	00	00	00	00	00

Part-H

Additional measures/investment proposal for env [A] Investment made during the period of Environmental Statement	vironmental protection abatement of pollution, prev	vention of pollution.
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
UPGRADATION IN APC SYSTEM	UPGRADATION IN APC SYSTEM: PRIMARY & SECONDARY FUME EXTRACTION SYSTEM FOLLOWED BY BAG FILTER	110
[B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
APC, GREEN BELT, ENV COMPLIANCES	O&M APC SYSTEM, GREEN BELT DEVELOPMENT AND	00

ENVIRONMENTAL COMPLIANCES

Part-I

Any other particulars for improving the quality of the environment.

Particulars

INDUSTRY FOLLOWS THE MPCB'D DIRECTION AND FULFILS ENVIRONMENTAL COMPLIANCES WITHIN THE DEADLINES SET BY THE BOARD.

Name & Designation M.A. SIDDIQUI (DIRECTOR)

UAN No: MPCB-ENVIRONMENT_STATEMENT-0000061859

Submitted On:

30-09-2023



And Environmental Services Pvt. Ltd.

			TEST R	REPORT (Ar	nbient A	ir)	
Repo	ort No.	NLES/	23-24/04/A	A/RE/180	Report Is	ssue Dat	e 19/04/2023
	e and Address of omer	Gut No		I FERRO INGO 51, Vill.Bhandga tra.		d,Tq.Dau	nd,Dist.Pune-
Discipline		Chemi	cal	Date & Time Sampling	of	1 THE REPORT OF THE PARTY OF	0:00 AM of 13/04/2023 to 6:10 13/04/2023 (8 hrs)
Group		Atmos Polluti	spheric ion	Sampling Pro	ocedure	IS 5182	Part 5
Sub	Group	Ambie	ent Air	Sampling do	ne by	Services	aboratories and Environmental Private Limited
Sampling Location			Main Gate	Dry bulb ten	nperature	33°C	
Wet	bulb temperature	emperature 26°C Relative Humidity 41 %		41 %			
Samp	ple Volume			astic Bottle), NO ₂ : Paper), PM _{2.5} :1×1			ttle)
Start Date of Analysis 14/0			/2023	End Date of	Analysis	19/04/	2023
				Results			
Sr. No.	Parameters		Results	Unit(s)	Specifica (NAAQ Sta		Methods
1	Sulphur Dioxide (SO ₂)		23.6	μg/m ³	≤ 80)	IS 5182 (Part 2)
2	Oxides of Nitrogen (N	O ₂)	27.8	μg/m ³	≤ 80		IS 5182 (Part 6)
3	Particulate Matter PM	110	71.3	μg/m ³	≤ 10	0	IS 5182 (Part 4), 1999
4	Particulate Matter PM	12.5	49.8	μg/m ³	≤ 60)	IS 5182 (Part 24), 2019
5	Ozone (O ₃)		9.7	μg/m ³	≤ 18	0	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH ₃)		4.6	μg/m ³	≤ 40	0	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)		BDL	μg/m ³	≤ 01	L	Air Sampling and Analysis, 3rd
8	Arsenic (As)		BDL	ng/m³	≤ 06		Edition, 2020
9	Nickel (Ni)		BDL	ng/m ³	≤ 20)	
10	Carbon Monoxide (CC))	0.25	mg/m ³	≤ 04	1	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaP)		BDL	ng/m ³	≤ 1.0	C	IS 5182 Part 12
12	Benzene(C ₆ H ₆)		BDL	μg/m ³	≤ 05		IS 5182 Part 11

Reviewed By

Calyour (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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Der		NUCC	CONTRACTOR STATES AND A 1997	EPORT (A			10/04/2022		
кер	ort No.	a contractor	NLES/23-24/04/AA/RE/181 Report Issue Date 19/04/2023 M/s.MEENAKSHI FERRO INGOT PVT LTD. 19/04/2023						
Name and Address of Customer						d Ta Dau	nd Dist Dune		
		CONCASSION OF MUS	0:350 and 36 14,Maharasht	1, Vill.Bhandga	ion, Knor Koa	id, i q.Dau	na,Dist.Pune-		
		4122.	14,1010110105111	Date & Tim	a of	From 10):10 AM of 13/04/2023 to 6:10		
Disc	ipline	Chem	ical	Sampling	eor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3/04/2023 (8 hrs)		
Group		Atmo Pollut	spheric	Sampling P	rocedure	IS 5182			
Sub	Group		ent Air	Sampling d	one by	ALCOHOLE OF BUILDED	aboratories and Environmental Private Limited		
Sampling Location		Furn	ace Shed	Dry bulb te	mperature	37°C	inter annier		
	Wet bulb temperature		es encu	Relative Hu		39 %			
Sample Volume		26°C SO ₂ :30) ml ×1 no. (Pla	stic Bottle), NO ₂			tle)		
199 CLAY CLA				aper), PM _{2.5} :1×1			2467927 X 9		
Star	t Date of Analysis	14/04	/2023	End Date of	f Analysis	19/04/2	.023		
				Result	5				
Sr. No.	Parameters		Results	Unit(s)	Specifi (NAAQ St		Methods		
1	Sulphur Dioxide (SO ₂)		17.5	μg/m ³	52	2.0	IS 5182 (Part 2)		
2	Oxides of Nitrogen (N	O ₂)	24.5	μg/m ³	≤ 8	80	IS 5182 (Part 6)		
3	Particulate Matter PM	110	68.9	μg/m ³	≤ 1	.00	IS 5182 (Part 4), 1999		
4	Particulate Matter PM	12.5	45.3	µg/m ³	≤ (50	IS 5182 (Part 24), 2019		
5	Ozone (O ₃)	1	9.4	μg/m ³	≤ 1	80	Method 411, Air Sampling and Analysis, 3rd Edition, 2020		
6	Ammonia (NH ₃)		5.2	µg/m³	≤ 4	00	Method 401, Air Sampling and Analysis 3rd Edition, 2020		
7	Lead (Pb)		0.014	μg/m ³	≤ (Air Sampling and Analysis, 3rd		
8	Arsenic (As)		BDL	ng/m ³	≤(Edition, 2020		
9	Nickel (Ni)		BDL	ng/m ³	≤ 2	20			
10	Carbon Monoxide (CC))	0.32	mg/m ³	≤ (04	GC FID Methanizer Method		
	Benzo(a)Pyrene (BaP)		BDL	ng/m ³	≤ 1	0	IS 5182 Part 12		
11	Benzo(a)Pyrene (BaP) Benzene(C ₆ H ₆)								

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

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)

Environmenta Services PUNE **End of ****** Report

Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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				nbient Air)				
Repo	ort No.	NLES/23-24/04/AA/RE/182 Report Issue Date 19/04/2023						
	e and Address of omer	M/s.MEENAKSHI Gut No:350 and 36 412214,Maharasht	1, Vill.Bhandg		.Daund,Dist.Pune-			
Disci	ipline	Chemical	Date & Tin Sampling	CHARLEN PERCHI	rom 10:20 AM of 13/04/2023 to :20 PM of 13/04/2023 (8 hrs)			
Grou	q	Atmospheric Pollution	Sampling I	Procedure	55182 Part 5			
Sub	Group	Ambient Air	Sampling	done by S	eetal Laboratories and Environmenta ervices Private Limited			
Sam	pling Location	Rolling Mill Shed	Dry bulb t	emperature 3	5°C			
Wet	bulb temperature	26 ⁰ C	Relative H	umidity 4	3 %			
Samp	ole Volume	SO ₂ :30 ml ×1 no. (Pla PM ₁₀ :1×1no. (Filter P			ic Bottle)			
Start Date of Analysis		14/04/2023	End Date of		9/04/2023			
			Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standard	s) Methods			
1	Sulphur Dioxide (SO ₂)	16.9	µg/m ³	≤ 80	IS 5182 (Part 2)			
2	Oxides of Nitrogen (NO ₂)	21.7	μg/m ³	≤ 80	IS 5182 (Part 6)			
3	Particulate Matter PM ₁₀	63.9	µg/m ³	≤ 100	IS 5182 (Part 4), 1999			
4	Particulate Matter PM2.5	47.7	μg/m ³	≤ 60	IS 5182 (Part 24), 2019			
5	Ozone (O ₃)	9.6	μg/m ³	≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020			
6	Ammonia (NH ₃)	(H_3) 4.5 $\mu g/m^3 \leq 400$		Method 401, Air Sampling and Analysis 3rd Edition, 2020				
7	Lead (Pb)	BDL	μg/m ³	≤ 01	Air Sampling and Analysis, 3rd			
8	Arsenic (As)	BDL	ng/m ³	≤ 06	Edition, 2020			
9	Nickel (Ni)	BDL	ng/m ³	≤ 20				
10	Carbon Monoxide (CO)	0.31	mg/m ³	≤ 04	GC FID Methanizer Method			
10		0.01	ng/m ³	≤ 1.0	IS 5182 Part 12			
11	Benzo(a)Pyrene (BaP)	BDL	IIB/III	51.0	15 5162 Part 12			

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

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)

Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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		TEST REPO	ORT						
Report N	lo.	NLES/23-24/04/NI/RE/183	Report Issue Date	19/04/2023					
Customer			M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214 Maharashtra						
Disciplin	e	Chemical	1						
Group		Atmospheric Pollution							
Sub Grou	qu	Ambient Air							
Sample N	Vame	Ambient Noise		~					
Date of S	Sampling	13/04/2023							
Method	of Sampling	IS 9989: 1981	S 9989: 1981						
Sampling	g Duration	24 hrs. Day & Night							
Sampling	g done by	Neetal Laboratories and Environmental Services Private Limited							
的是行		Results	3						
Sr. No.	Location		ise Level Reading dB(A)	Limits as per CPCB					
		Day Time	Night Time	guidelines					
1	Main Gate	68.9	59.5	Day Time = 75 dB					
2	Admin Office	60.4	52.3	Night Time =70 dB					



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

			TEST REP	ORT (Stac	k Emissio	n)		
Repo	ort No.	NLES/23	-24/04/ST/RE/1	84 Report	Issue Date	19/04	4/2023	
	e and Address of omer		ENAKSHI FERR			aund,Dist	t.Pune-412214,Maharashtra	
Disci	Discipline Chemic					-	aterial: MS	
Grou			& Environment.	Sample De	scription	Stack He	eight: 36 Mtr	
Sub (Group	Stack Emi	ssion			Stack Ty	pe: Round	
Date	of Sampling	13/04/20	23	Sampling I	ocation	Inductio	on Furnace Stack	
Sampling done by Envi			boratories and ental Services mited	Sampling	Sampling duration		Min	
Sam	ple Quantity	Thimble 1 Solution	. Nos and 30 ml	Sampling I	Procedure	CPCB Guideline on methodologies source emission monitoring		
Start	Date of Analysis	14/04/20	023	End Date of Ana		19/04/2	2023	
				Results				
Sr. No.	Paramete	rs	Results	Unit(s)	Specific (MPCB C		Methods	
1	Flue Gas Tempera	ature	46	°C				
2	Differential Press	ure	4.8	mm WG				
3	Velocity		8.41	M/s				
4	Total Particulate	Matter	45.6	mg/Nm3	≤ 1	50	IS 11255 (Part 1)	
5	Sulphur Dioxide (SO ₂)	23.6	mg/Nm3	Ν.	S.	IS 11255 (Part 2)	
6	Sulphur Dioxide (SO ₂)	1.12	Kg/day	N.	S.	IS 11255 (Part 2)	
7	Oxides of Nitroge	en (Nox)	21.9	mg/Nm3	Ν.	S.	IS 11255 (Part 7)	
	Remark- A	All above r	esults are well w	ithin MPCB Lim	it. N.S-Not S	pecified,		

Reviewed By Kalyaui (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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			TEST RE	POF	RT (Stack	Emissio	n)	
Repo	ort No.	NLES/23	-24/04/ST/RE		-	ssue Date		4/2023
and the second			EENAKSHI FEF 350 and 361, V				aund,Dist	t.Pune-412214,Maharashtra.
Standing which with		Chemical						aterial: MS
Group Pollutio		Pollution	& Environment.		Sample Des	cription	Stack He	eight: 18 Mtr
Sub (Group	Stack Em	ission				Stack Ty	pe: Round
Date	of Sampling	13/04/20	23		Sampling L	ocation	Re-Heat	ing Furnace Stack
Samı	oling done by	Contraction advantation in the second	boratories and ental Services mited		Sampling d	uration	30 Min	
Samı	ole Quantity	Thimble : Solution	L Nos and 30 ml		Sampling P	rocedure	CPCB Guideline on methodologies for source emission monitoring	
Start	Date of Analysis	14/04/2	.023		End Date	of Analysis	19/04/2	2023
		Marine			Results	the second second	1.1	
Sr. No.	Paramete	rs	Results		Unit(s)	Specific (MPCB C		Methods
1	Flue Gas Tempera	ature	49		°C			
2	Differential Press	ure	4.2		mm WG	1		
3	Velocity		8.16		M/s	M/s		
4	Total Particulate	Matter	49.8	r	mg/Nm3	≤ 1!	50	IS 11255 (Part 1)
5	Sulphur Dioxide (SO ₂)	21.4	r	mg/Nm3	N.S	5.	IS 11255 (Part 2)
6	Sulphur Dioxide (SO ₂)	1.09		Kg/day	N.S	5.	IS 11255 (Part 2)
7	Oxides of Nitroge	n (Nox)	33.4	r	mg/Nm3	N.5	5.	IS 11255 (Part 7)
10	Remark- /	All above r	esults are well	withir	n MPCB Limi	t. N.S-Not Sp	pecified,	

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)

Environm PUNE

Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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

	Review	wed By		Authorized Signatory					
			TEST F	EPORT					
Report I	No:	NLES/23-24/04/	NZ/RE/186	Report Issue Date	19/04/20	23			
Name a Custom	nd Address of er	M/s.MEENAKSH Gut No:350 and 3		T PVT LTD. aon,Khor Road,Tq.Daund,	Dist.Pune-41	2214, Maharashtra			
Sample Name Workzone Noise				Date of Sampling	13/04/202	23			
Samplin	g done by	Neetal Laboratorie	s and Environmer	tal Services Private Limited					
			Res	ults					
Sr. No.	Lo	cations	dB(A)	Specifications (The Act 1948, stand		Method			
1.	Funace Shed		84.8						
2. Casting Area			81.3	≤90		CPCB Guideline			
	Dow Matarial I	landling Unit	76.8			Shoes and a short and the second product of the second sec			

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And Environmental Services Pvt. Ltd.



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			TES	T REPORT		
Repo	ort No.	NLES/23-24/	04/W/RE/187	Report Issue Date	e	19/04/2023
	e and Address of			NGOT PVT LTD.		
Cust	omer	A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY.			,Tq.Daund,Di	st.Pune-412214,Maharashtra.
Disci	pline	Chemical		Date of Sample C	ollection	13/04/2023
Grou	ip	Water		Sample Quantity		02 lit Plastic Can
Sub	Group	Surface Wat	er	Sampling Procedu	ure	APHA 1060
Sam	ple Description	Matoba Lake	•	Sample Status		Sealed
Sampling done by Neetal Laboratories and Environmental Condition for		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH				
Start	Date of Analysis	14/04/2023		End Date of Anal	ysis	19/04/2023
				Results		
Sr.	. Parameters		Unit(s)	Results	Methods	
No.						
PHYS	SICAL PARAMETERS			1		
1	Odour		-	Agreeable	IS 3025 Pa	
2	pH at 25°C		-	7.04	in the second second) H+ A, 23 rd Ed. 2017
3	Turbidity		NTU	0.69	IS 3025 Pa	
4	Total Dissolved So	lids	mg/l	687		0 C, 23 rd Ed. 2017
5	Ammonical Nitrog	en as N	mg/l	0.53	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1) NH3, 23 rd Ed. 2017.
6	Calcium (as Ca)		mg/l	35.6) Ca B, 23 rd Ed. 2017
7	Chloride (as Cl)		mg/l	92.4) Cl ⁻ B 23 rd Ed. 2017
8	Fluoride (as F)		mg/l	0.72) F ⁻ - D 23 rd Ed. 2017
9	Residual Chlorine as Cl		mg/l	<0.1		rt 26 (Rev.1, RA 2014)
10	.0 Magnesium (as Mg)		mg/l	27.8) Mg A, 23 rd Ed. 2017
11 Nitrate (as NO ₃)		mg/l	6.78) NO3- B 23 rd Ed. 2017	
12	12 Sulphate (as SO ₄)		mg/l	59.4) SO4 E, 23 rd Ed. 2017
13	Total Alkalinity (as		mg/l	259.7) B, 23 rd Ed. 2017
14	Total Hardness (as	CaCO ₃)	mg/l	337.6	APHA 2340) B, 23 rd Ed. 2017
15	Iron (as Fe)		mg/l	0.72	IS 3025 (Pa	
16	Colour		Hazen	1.0	IS 3025 (Pa	art-4)

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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ddress of	M/s.MEEN		NGOT PVT LTD.	9	19/04/2023				
	Gut No:350 Chemical								
cription	Gut No:350 Chemical			AKSHI FERRO INGOT PVT LTD.					
cription			andgaon,Khor Road,	Tq.Daund,Di	st.Pune-412214, Maharashtra.				
cription	Water		Date of Sample C	ollection	13/04/2023				
cription	a a contract		Sample Quantity		02 lit Plastic Can				
cription	Ground Wa	ter	Sampling Procedu	ure	APHA 1060				
	Bhandgaon	Village	Sample Status		Sealed				
ampling done by		Neetal Laboratories and Environmental Services Private Limited		ondition for nd Analysis	Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH				
Start Date of Analysis 14/04/2023			End Date of Anal	ysis	19/04/2023				
			Results						
neters		Unit(s) Results Meth		Methods					
		10.00							
ARAMETER	5								
r		-	Agreeable	IS 3025 Pa					
25°C		-	7.02	10110100.0.1110-0.0) H+ A, 23 rd Ed. 2017				
dity		NTU	0.57	IS 3025 Pa					
Dissolved So	olids	mg/l	542	1 St. 10 St. 10 St. 20	0 C, 23 rd Ed. 2017				
onical Nitro	gen as N	mg/l	0.36		0 NH3, 23 rd Ed. 2017.				
m (as Ca)		mg/l	31.5) Ca B, 23 rd Ed. 2017				
de (as Cl)		mg/l	79.8		D Cl ⁻ B 23 rd Ed. 2017				
de (as F)		mg/l	0.46	the second se	0 F ⁻ - D 23 rd Ed. 2017				
ual Chlorine	as Cl	mg/l	<0.10		rt 26 (Rev.1, RA 2014)				
esium (as M	lg)	mg/l	12.5		0 Mg A, 23 rd Ed. 2017				
e (as NO ₃)		mg/l	2.69		0 NO3- B 23 rd Ed. 2017				
ate (as SO ₄)		mg/l	51.4		0 SO4 E, 23 rd Ed. 2017				
Alkalinity (a	s CaCO ₃)	mg/l	196.7		D B, 23 rd Ed. 2017				
Hardness (a	s CaCO ₃)	mg/l	287.5	APHA 2340	0 B, 23 rd Ed. 2017				
as Fe)		mg/l	0.34	IS 3025 (Pa	art-02)				
		Hazen	1.0	IS 3025 (Pa	art-4)				
Total Alkalinity (as CaCO₃) Total Hardness (as CaCO₃) Iron (as Fe) Colour		ardness (as CaCO ₃) mg/l s Fe) mg/l Hazen	ardness (as CaCO ₃) mg/l 287.5 s Fe) mg/l 0.34 Hazen 1.0	ardness (as CaCO ₃) mg/l 287.5 APHA 2340 s Fe) mg/l 0.34 IS 3025 (Patrice)					

alyan (M& Kalgani Gore) (Technical Manager)



(Mr. Abhishek Tope) (Quality Manager)

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Rone	ort No.	MIEC /	23-24/05/AA/	(Arta)	Ambient A Report Issue		25/05/2023
vehr						Date	23/03/2023
	ie and Address of omer	Gut No	NEENAKSHI F 0:350 and 361 4,Maharashtr	, Vill.Bhandga	aon,Khor Road	,Tq.Daun	d,Dist.Pune-
Disci	ipline		Chemical Date & Ti Sampling		ne of		0:10 AM of 19/05/2023 to 6:10 19/05/2023 (8 hrs)
Group		Atmos Polluti		Sampling	Procedure	IS 5182	Part 5
Sub	Group	Ambie	nt Air	Sampling	done by		aboratories and Environmental Private Limited
Sampling Location		a second literation of the	/lain Gate	Dry bulb t	emperature	37°C	
Wet	bulb temperature	b temperature 27°C Relative Humidity 39 %		39 %			
					:30 ml×1 no. (P Lno. (Filter Pape		le)
Start Date of Analysis 20/05/			/2023	End Date	of Analysis	25/05/	2023
				Resu	ts		and the second se
Sr. No.	Parameters		Results	Unit(s)	Specific (NAAQ St		Methods
1	Sulphur Dioxide (SO)	23.9	µg/m ³	≤ 8	10	IS 5182 (Part 2)
2	Oxides of Nitrogen (i	NO ₂)	25.8	μg/m ³	≤ 8	0	IS 5182 (Part 6)
3	Particulate Matter P	M ₁₀	79.7	μg/m ³	≤ 1	00	IS 5182 (Part 4), 1999
4	Particulate Matter P	M _{2.5}	51.4	µg/m ³	≤ €	i0	IS 5182 (Part 24), 2019
5	Ozone (O ₃)		9.6	μg/m ³	≤ 1	80	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH ₃)		7.2	µg/m³	≤ 4	00	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)		BDL	μg/m ³	≤ 0)1	Air Sampling and Analysis, 3rd
8	Arsenic (As)		BDL	ng/m ³	≤ 0	- 12 - 24 - 14 - 14 - 14 - 14 - 14 - 14	Edition, 2020
9	Nickel (Ni)		BDL	ng/m ³	≤ 2	20	
10	Carbon Monoxide (C	0)	0.35	mg/m ³	≤ 0	14	GC FID Methanizer Method
11	Benzo(a)Pyrene (BaF	?)	BDL	ng/m ³	≤ 1	.0	IS 5182 Part 12
11	1 Benzo(a)Pyrene (BaP) 2 Benzene(C ₆ H ₆)						

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

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)

& Environmen PUNE Pan * 0) ******End of Report***************

Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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Repo	ort No.	NLES/2	3-24/05/AA/RE/		nbient Air)		25/05/2023
Customer Gut N			EENAKSHI FER 350 and 361, Vil Maharashtra.	RO INGOT P	VT LTD.		
Disci	ipline	Chemical		Date & Tim Sampling	ne of		n 10:20 AM of 19/05/2023 to 9 PM of 19/05/2023 (8 hrs)
Group		Atmosp	heric Pollution	Sampling P	Procedure	IS 5:	182 Part 5
Sub	Group	Ambien	t Air	Sampling o	lone by		tal Laboratories and Environmenta ices Private Limited
Sam	pling Location	Furnace	Shed	Dry bulb te	emperature	38°0	2
Wet bulb temperature		27°C		Relative Hu	umidity	36 %	6
Samp	ole Volume		nl ×1 no. (Plastic B 1no. (Filter Paper)			Bott	le)
Start Date of Analysis 20		20/05/2	.023	End Date o	of Analysis	25/0	05/2023
			and the second	Results		-	
Sr. No.	Parameters		Results	Unit(s)	Specificatio (NAAQ Standa		Methods
1	Sulphur Dioxide (SO2)	24.1	µg/m ³	≤ 80		IS 5182 (Part 2)
2	Oxides of Nitrogen (I	NO ₂)	26.9	μg/m ³	≤ 80		IS 5182 (Part 6)
3	Particulate Matter P	M ₁₀	70.3	μg/m ³	≤ 100		IS 5182 (Part 4), 1999
4	Particulate Matter P	M _{2.5}	48.7	μg/m ³	≤ 60		IS 5182 (Part 24), 2019
5	Ozone (O ₃)		9.4	µg/m³	≤ 180		Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH ₃)		6.9	µg/m³	≤ 400		Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)		0.017	µg/m³	≤ 01		Air Sampling and Analysis, 3rd
8	Arsenic (As)				Edition, 2020		
9	Nickel (Ni)		BDL	ng/m ³	≤ 20		
10	Carbon Monoxide (C	0)	0.31	mg/m ³	≤ 04		GC FID Methanizer Method
	Benzo(a)Pyrene (BaP	?)	BDL	ng/m ³	≤ 1.0		IS 5182 Part 12
11							

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

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)

Environmen PUNE End of Report*

Authorized Signatory

bhishek Tope) (Quality Manager)

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

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



Repo	ort No.	NLES/2	3-24/05/AA/RE/	432	Report Issue Da	te	25/05/2023
Name and Address of Customer		Gut No	EENAKSHI FER 350 and 361, Vil Maharashtra.			q.Daun	d,Dist.Pune-
Discipline		Chemic	al	Date & T Samplin		and a second second	10:30 AM of 19/05/2023 to 6:30 f 19/05/2023 (8 hrs)
Grou	ıp	Atmosp	heric Pollution	Samplin	g Procedure	IS 518	32 Part 5
Sub	Group	Ambier	ıt Air	Samplin	g done by	in the second second	l Laboratories and Environmental es Private Limited
Sam	pling Location	Rolling	Mill Shed	Dry bulk	temperature	37°C	
Wet	bulb temperature 28°C Relative Humidity 4		40 %				
Samp	ole Volume	SO ₂ :30 ml ×1 no. (Plastic Bottle), NO ₂ :30 ml×1 no. (Plastic Bottle) PM ₁₀ :1×1no. (Filter Paper), PM _{2.5} :1×1no. (Filter Paper)		le)			
Start Date of Analysis		20/05/2	2023	End Dat	e of Analysis	25/05	5/2023
				Resul	ts		
Sr. No.	Parameters		Results	Unit(s)	Specificat (NAAQ Star		Methods
1	Sulphur Dioxide (SO	2)	17.4	μg/m ³	≤ 80		IS 5182 (Part 2)
2	Oxides of Nitrogen (NO ₂)	22.6	μg/m ³	≤ 80		IS 5182 (Part 6)
3	Particulate Matter P	M ₁₀	65.7	μg/m ³	≤ 100		IS 5182 (Part 4), 1999
4	Particulate Matter P	M _{2.5}	48.5	μg/m ³	≤ 60		IS 5182 (Part 24), 2019
5	Ozone (O ₃)		9.4	µg/m³	≤ 180		Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH ₃)		5.2	µg/m³	≤ 400		Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)		BDL	μg/m ³			Air Sampling and Analysis, 3rd
8	Arsenic (As)		BDL	ng/m ³			Edition, 2020
9	Nickel (Ni)		BDL	ng/m ³			
	Carbon Monoxide (C	-36	0.35	mg/m			GC FID Methanizer Method
10		2)	BDL	ng/m ³	≤ 1.0		IS 5182 Part 12
10 11	1 Benzo(a)Pyrene (BaP)						

Valyan (Ms. Kalyani Gore)

(Technical Manager)

Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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Reviewed By



		TEST REPO	DRT						
Report N	lo.	NLES/23-24/05/NI/RE/433	NLES/23-24/05/NI/RE/433 Report Issue Date 2						
Name an Custome	d Address of r		M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214 Maharashtra						
Disciplin	e	Chemical							
Group		Atmospheric Pollution							
Sub Grou	qu	Ambient Air							
Sample N	lame	Ambient Noise							
Date of S	ampling	19/05/2023							
Method	of Sampling	IS 9989: 1981	IS 9989: 1981						
Sampling	g Duration	24 hrs. Day & Night							
Sampling	g done by	Neetal Laboratories and Environ	mental Services Private Li	mited					
		Results							
			se Level Reading IB(A)	Limits as per CPCE					
Sr. No.	Location	Day Time	Night Time	guidelines					
1	Main Gate	68.5	53.4	Day Time = 75 dB Night Time =70 dB					
2	Admin Office	63.9	50.5						

Reviewed By (Ms Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

End of Report

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

			TEST RE	POR	T (Stack	Emissio	n)	
Repo	rt No.	NLES/23	-24/05/ST/RE/	/434	Report I	ssue Date	25/05	6/2023
	e and Address of		EENAKSHI FER 350 and 361, Vi				aund, Dist	.Pune-412214,Maharashtra.
Disci	pline	Chemical	nemical				Stack Ma	aterial: MS
Grou	р	Pollution	& Environment.		Sample Des	cription	Stack He	ight: 36 Mtr
Sub Group		Stack Em	ission				Stack Ty	pe: Round
Date of Sampling		19/05/20	23		Sampling Lo	ocation	Inductio	n Furnace Stack
Sampling done by			boratories and iental Services mited		Sampling duration		30 Min	
Sample Quantity		Thimble : Solution	nble 1 Nos and 30 ml tion		Sampling Procedure			ideline on methodologies for mission monitoring
Start	Date of Analysis	20/05/2	2023		End Date of	of Analysis	25/05/2	2023
					Results			
Sr. No.	Paramete	rs	Results	ι	Jnit(s)	Specific (MPCB C		Methods
1	Flue Gas Tempera	ature	49		°C			
2	Differential Press	ure	4.7	m	nm WG			
3	Velocity		8.34		M/s			
4	Total Particulate	Matter	49.4	m	g/Nm3	≤ 1	50	IS 11255 (Part 1)
5	Sulphur Dioxide (SO ₂) 23.7		m	ig/Nm3	N.:	S.	IS 11255 (Part 2)	
6	Sulphur Dioxide (SO ₂)	1.05	k	(g/day	N.:	S.	IS 11255 (Part 2)
7	Oxides of Nitroge	n (Nox)	27.4	m	g/Nm3	N.:	S.	IS 11255 (Part 7)
	Remark- /	All above r	esults are well	within	MPCB Limi	t. N.S-Not S	pecified,	

Reviewed By

kalyau (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE



			TEST RE	PO	RT (Stac	k Emissio	on)				
Repo	ort No.	NLES/23	-24/05/ST/RE	/435	Report	Issue Date	25/0	5/2023			
Nam	e and Address of	9010	ENAKSHI FEI		NGOT PVT	LTD.					
Cust	omer	Gut No:3	it No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune-412214,Maharashtra.								
Disci	pline	Chemical	Chemical				Stack M	aterial: MS			
Grou	ıp	Pollution	& Environment	•	Sample De	scription	Stack He	eight: 18 Mtr			
Sub Group St		Stack Emi	ssion		1		Stack Ty	pe: Round			
Date of Sampling 19/0		19/05/20	23		Sampling L	ocation	Re-Heat	ing Furnace Stack			
Sampling done by Envir			boratories and ental Services mited		Sampling durati		30 Min				
Sample Quantity		Thimble 1 Solution	Thimble 1 Nos and 30 ml Solution		Sampling Procedure			uideline on methodologies for emission monitoring			
Start	Date of Analysis	20/05/20	15/2023		End Date	of Analysis	25/05/2	2023			
					Results						
Sr. No.	Paramete	rs	Results		Unit(s)	Specific (MPCB C		Methods			
1	Flue Gas Tempera	ature	47		°C						
2	Differential Press	urè	4.2		mm WG						
3	Velocity		7.87		M/s						
4	Total Particulate	Matter	53.4	1	mg/Nm3	≤1	50	IS 11255 (Part 1)			
5	Sulphur Dioxide (SO ₂)	21.2	1	mg/Nm3	N.	S.	IS 11255 (Part 2)			
6	Sulphur Dioxide (SO ₂)	1.08		Kg/day	N.:	S.	IS 11255 (Part 2)			
7	Oxides of Nitroge	n (Nox)	22.6	1	mg/Nm3	N.:	S.	IS 11255 (Part 7)			
6	Remark-	All above re	esults are well	withi	n MPCB Lim	it. N.S-Not S	pecified,				

Reviewed By (Ms. Kalvani Gore)

(Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Aphishek Tope) (Quality Manager)

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

			TEST F	REPORT				
Report I	No:	NLES/23-24/05/V	VZ/RE/436	Report Issue Date	25/05/20	23		
Name a Custom	nd Address of er		M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune-412214,Maharashtra					
Sample Name		Workzone Noise		Date of Sampling	19/05/202	23		
Samplin	ig done by	Neetal Laboratories	etal Laboratories and Environmental Services Private Limited					
			Res	ults				
Sr. No.	Lo	ocations	dB(A)		Specifications (The Factories Act 1948, standards)			
1.	Funace Shed		83.2			÷		
2.	Casting Area		74.1	≤90	≤90			
3.	Raw Material H	Handling Unit	75.9					

Reviewed By

(Ms. Kalyani Gore)

(Technical Manager)

nvironn PUNE

Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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			TES	T REPORT		
Repo	ort No.	NLES/23-24	/05/W/RE/437	Report Issue Dat	e	25/05/2023
Nam	e and Address of	M/s.MEEN	AKSHI FERRO I	NGOT PVT LTD.		
Cust	omer	Gut No:350	and 361, Vill.Bha	andgaon,Khor Road	l,Tq.Daund,Di	st.Pune-412214,Maharashtra
Disci	pline	Chemical		Date of Sample C	Collection	19/05/2023
Group Water		Water		Sample Quantity		02 lit Plastic Can
Sub	Group	Surface Wat	er	Sampling Proced	ure	APHA 1060
Sam	ple Description	Matoba Lak	e	Sample Status		Sealed
Sampling done by Neetal Laboratories and Environmental Condition for Ter		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH				
Start	Date of Analysis	20/05/2023		End Date of Anal	ysis	25/05/2023
				Results		
Sr. Parameters No.			Unit(s)	Results	Methods	
PHYS	SICAL PARAMETERS	i		1		
1	Odour		-	Agreeable	IS 3025 Pa	art-5
2	pH at 25°C		-	7.12	APHA 4500) H+ A, 23 rd Ed. 2017
3	Turbidity		NTU	1.40	IS 3025 Pa	
4	Total Dissolved Sc	olids	mg/l	619		0 C, 23 rd Ed. 2017
5	Ammonical Nitrog	gen as N	mg/l	0.56	APHA 4500	0 NH3, 23 rd Ed. 2017.
6	Calcium (as Ca)		mg/l	1 31.2) Ca B, 23 rd Ed. 2017
7	Chloride (as Cl)		mg/l	91.8	DUNCTON CONSTRAINT STREETS	Cl ⁻ B 23 rd Ed. 2017
8	Fluoride (as F)		mg/l	0.62	APHA 4500) F ⁻ - D 23 rd Ed. 2017
9	Residual Chlorine	as Cl	mg/l	<0.1		rt 26 (Rev.1, RA 2014)
10	Magnesium (as M	g)	mg/l	19.4	APHA 3500	0 Mg A, 23 rd Ed. 2017
11	Nitrate (as NO ₃)		mg/l	6.02) NO3- B 23 rd Ed. 2017
12	Sulphate (as SO ₄)		mg/l	51.2) SO4 E, 23 rd Ed. 2017
13	Total Alkalinity (as	s CaCO ₃)	mg/l	267.8	1.100 /000 (0000 001 GR0254 - 200) B, 23 rd Ed. 2017
14	Total Hardness (as	s CaCO ₃)	mg/l	312.5	APHA 2340) B, 23 rd Ed. 2017
15	Iron (as Fe)		mg/l	0.53	IS 3025 (Pa	
16	Colour		Hazen	1.0	IS 3025 (Pa	art-4)
	Review	ved By	1		Auth	orized Signatory

land (Ms. Kalvani Gore) (Technical Manager)

Environment PUNE Report**** ignatory

(Mr. / hishek Tope) (Quality Manager)

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			TES	T REPORT					
Repo	ort No.	NLES/23-24/	05/W/RE/438	Report Issue Dat	e	25/05/2023			
Nam	e and Address of	M/s.MEEN	s.MEENAKSHI FERRO INGOT PVT LTD.						
Cust	omer				,Tq.Daund,Di	st.Pune-412214,Maharashtra			
Disci	pline	Chemical		Date of Sample C	ollection	19/05/2023			
Group Water		Water		Sample Quantity		02 lit Plastic Can			
Sub	Group	Ground Wate	er	Sampling Proced	ure	APHA 1060			
Sam	ple Description	Bhandgaon V	/illage	Sample Status		Sealed			
		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH							
Start	Date of Analysis	20/05/2023		End Date of Anal	ysis	25/05/2023			
				Results					
Sr. Parameters No.			Unit(s)	Results	Methods				
PHYS	SICAL PARAMETERS								
1	Odour		1211	Agreeable	IS 3025 Pa	irt-5			
2	pH at 25°C		-1	7.25	APHA 4500	0 H+ A, 23 rd Ed. 2017			
3	Turbidity		NTU	0.98	IS 3025 Pa	rt-10			
4	Total Dissolved Sc	lids	mg/l	567	10.1	0 C, 23 rd Ed. 2017			
5	Ammonical Nitrog	en as N	mg/l	0.34	APHA 4500	0 NH3, 23 rd Ed. 2017.			
6	Calcium (as Ca)		mg/l	30.9) Ca B, 23 rd Ed. 2017			
7	Chloride (as Cl)		mg/l	75.3) Cl ⁻ - B 23 rd Ed. 2017			
8	Fluoride (as F)		mg/l	0.41	APHA 4500) F ⁻ D 23 rd Ed. 2017			
9	Residual Chlorine	as Cl	mg/l	<0.10		rt 26 (Rev.1, RA 2014)			
10	Magnesium (as M	g)	mg/l	13.9) Mg A, 23 rd Ed. 2017			
11	Nitrate (as NO ₃)		mg/l	2.72) NO3- B 23 rd Ed. 2017			
12 Sulphate (as SO ₄)		mg/l	53.5	1 1 1 1 0 0 1 1 0 1 1 0 0 0 5 E E E) SO4 E, 23 rd Ed. 2017				
13	Total Alkalinity (as		mg/l	185.3) B, 23 rd Ed. 2017			
14	Total Hardness (as	CaCO ₃)	mg/l	256.4	APHA 2340) B, 23 rd Ed. 2017			
15	Iron (as Fe)		mg/l	0.39	IS 3025 (Pa				
16	Colour		Hazen	1.0	IS 3025 (Pa	art-4)			

Kalyani Ma Kalyani Gore

(Ms. Kalyani Gore) (Technical Manager) Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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				EPORT (Ar						
Repo	ort No.	NLES/	23-24/06/AA	/RE/642	Report Issu	e Date	13/06/2023			
	e and Address of omer	Gut N	M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214,Maharashtra.							
Disci	pline		nemical Date & T Sampling		e of		0:00 AM of 07/06/2023 to 6:00 07/06/2023 (8 hrs)			
Group		Atmos Pollut	pheric ion	Sampling P	rocedure	IS 5182				
Sub Group		Ambie	ent Air	Sampling d	one by	a construction of the second	aboratories and Environmental			
Sampling Location		Near	Main Gate	Dry bulb te	mperature	27°C				
Wet bulb temperature		23 °C		Relative Hu	imidity	75 %				
				tic Bottle), NO ₂ : aper), PM _{2.5} :1×1			ttle)			
Start Date of Analysis 08,			/2023	End Date o	f Analysis	13/06/	2023			
				Results						
Sr. No.	Parameters		Results	Unit(s)	Specific (NAAQ Sta		Methods			
1	Sulphur Dioxide (SO ₂)		17.4	μg/m ³	≤ 80		IS 5182 (Part 2)			
2	Oxides of Nitrogen (N	O ₂)	21.5	μg/m ³	≤ 80		IS 5182 (Part 6)			
3	Particulate Matter PM	110	53.6	μg/m ³	≤ 10	00	IS 5182 (Part 4), 1999			
4	Particulate Matter PM	12.5	31.5	μg/m ³	≤ 6	0	IS 5182 (Part 24), 2019			
5	Ozone (O ₃)		9.7	µg/m³	≤ 18	80	Method 411, Air Sampling and Analysis, 3rd Edition, 2020			
6	Ammonia (NH₃)		3.4	µg/m³	≤ 40	00	Method 401, Air Sampling and Analysis 3rd Edition, 2020			
7	Lead (Pb)		BDL	µg/m³	≤ 0		Air Sampling and Analysis, 3rd			
8	Arsenic (As)		BDL	ng/m ³	≤ 0		Edition, 2020			
9	Nickel (Ni)		BDL	ng/m ³	≤ 2	0				
10	Carbon Monoxide (CC))	0.22	mg/m ³	≤ 0	4	GC FID Methanizer Method			
11	Benzo(a)Pyrene (BaP)		BDL	ng/m ³	≤ 1.	0	IS 5182 Part 12			
TT	Benzo(a)Pyrene (BaP)				≤ 05					

ark- All above results are within National Ampient Air Qual

Reviewed By

alyan (Ms. Kalyani Gore) (Technical Manager)

Authorized Signatory

bhishek Tope) (Quality Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

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

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



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

Dem	art No	NUEC			(Ambien Report Issu		13/06/2023
Report No.			23-24/06/AA/		particular sources and the started	Returning the Art Street of the	15/00/2025
Name and Address of		A PACKAGE ADVICE	IEENAKSHI F				und Dist Dung
Cust	omer				gaon, Khor Ri	bad, i q. Da	und,Dist.Pune-
		41221	4, Maharashtra		Timo of	Eron	n 10:10 AM of 07/06/2023 to
Disci	Discipline		Chemical				PM of 07/06/2023 (8 hrs)
		Atmos	pheric				
Grou	qu	Polluti		Samplin	g Procedure	IS 5:	182 Part 5
Curk	C			Carroll	a dana bu	Neet	al Laboratories and Environmental
Sub	Group	Ambie	nt Air	Samplin	ig done by		ices Private Limited
Sam	pling Location		ce Shed	Dry bull	o temperatu		
Wet	bulb temperature	22°C		1.5.2.40.0.0.5.5.0.7.0.57	Humidity	76 %	
Samp	ole Volume	-	ml ×1 no. (Plast		*		ottle)
				er Paper), PM _{2.5} :1×1no. (Filter Pap			6 (2022)
Star	Start Date of Analysis 08		2023	End Date of Analysis		s 13/0	06/2023
				Res	NOT THE VERY OF A		
Sr. No.	Parameters		Results	Unit(cifications Q Standard	Mothode
1	Sulphur Dioxide (SO	2)	16.7	μg/m	and the second se	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (2/2	21.5	μg/m		≤ 80	IS 5182 (Part 6)
3	Particulate Matter P	M ₁₀	55.6	μg/m		≤ 100	IS 5182 (Part 4), 1999
4	Particulate Matter P	M _{2.5}	34.5	μg/m	the second se	≤ 60	IS 5182 (Part 24), 2019
5	Ozone (O ₃)		9.4	µg/m		≤ 180	Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH ₃)		6.1	µg/m	3	≤ 400	Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)		0.021	µg/m		≤01	Air Sampling and Analysis, 3rd
8	Arsenic (As)		BDL	ng/m	3	≤06	Edition, 2020
9	Nickel (Ni)		BDL	ng/m		≤ 20	
10	Carbon Monoxide (C	:O)	0.32	mg/m	n ³	≤ 04	GC FID Methanizer Method
11	Benzo(a)Pyrene (Bal	2)	BDL	ng/m ³ ≤ 1.0		≤ 1.0	IS 5182 Part 12
	2 Benzene(C ₆ H ₆)		BDL	μg/m	3	≤ 05	IS 5182 Part 11

Reviewed By

allan (Ms. Kalyani Gore) (Technical Manager)

Environmen PUNE ****End of Report*

Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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

Repo	ort No.	NLES	/23-24/06/AA	/RE/644	Report Issue	Date	13/06/2023				
Name and Address of			M/s.MEENAKSHI FERRO INGOT PVT LTD.								
					gaon,Khor Roa	d,Tq.Dau	ind,Dist.Pune-				
Cust	omer	[1] [2] [3] [3] [3] [3] [3] [3] [3] [3] [3] [3	14, Maharasht								
	•			Date & Ti	me of	From 1	0:20 AM of 07/06/2023 to 6:20				
Disci	pline	Chemical		Sampling		PM of 07/06/2023 (8 hrs)					
C		Atmo	spheric	Compling	Procedure	IS 5182	Port 5				
Grou	ιþ	Pollu	tion	Sampling	Procedure	13 5162	Faits				
Sub	Group	Ambi	ent Air	Sampling	done by	- 1.2 True voc Dana an	Laboratories and Environmental				
on the state		0.0000000000000000000000000000000000000	25202035.503000	Sampling done by			s Private Limited				
	pling Location		ng Mill Shed	and the second state of th	temperature	28°C					
	bulb temperature	23°C		Relative H		79%					
Samp	ole Volume		SO ₂ :30 ml ×1 no. (Plastic Bottle), NO ₂ :30 ml×1 no. (Plastic Bottle) PM ₁₀ :1×1no. (Filter Paper), PM _{2.5} :1×1no. (Filter Paper)								
Ctarl	Data of Analysis		1×1no. (Filter P) 5/2023		and the second se	2023					
Star	Date of Analysis	08/0					2023				
23				Resu							
Sr. No.	Parameters		Results	Unit(s)	Specific (NAAQ St		Methods				
1	Sulphur Dioxide (SO ₂)		13.7	µg/m ³	≤ 8	0	IS 5182 (Part 2)				
2	Oxides of Nitrogen (N	O ₂)	21.5	μg/m ³	≤ 8	0	IS 5182 (Part 6)				
3	Particulate Matter PN	110	57.6	μg/m ³	≤ 1	00	IS 5182 (Part 4), 1999				
4	Particulate Matter PN	12.5	40.8	μg/m ³	≤ 6	60	IS 5182 (Part 24), 2019				
5	Ozone (O ₃)		9.5	μg/m ³	≤ 12	80	Method 411, Air Sampling and Analysis, 3rd Edition, 2020				
6	Ammonia (NH3)		4.1	µg/m³	≤ 4	00	Method 401, Air Sampling and Analysis 3rd Edition, 2020				
7	Lead (Pb)		BDL	μg/m ³	≤ 0)1	Air Sampling and Analysis, 3rd				
8			BDL	ng/m ³	≤ 0		Edition, 2020				
9	Nickel (Ni)		BDL	ng/m ³	≤ 2	.0					
10	Carbon Monoxide (CC))	0.33	mg/m ³	≤ 0	94	GC FID Methanizer Method				
11	Benzo(a)Pyrene (BaP)		BDL	ng/m ³	≤ 1	.0	IS 5182 Part 12				
12	Benzene(C ₆ H ₆)		BDL	μg/m ³	≤0		IS 5182 Part 11				

Reviewed By

alla (Ms. Katyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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		TEST REPO	DRT					
Report N	lo.	NLES/23-24/06/NI/RE/645	Report Issue Date	13/06/2023				
Name and Address of Customer		M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214,Maharashtra.						
Disciplin	e	Chemical						
Group		Atmospheric Pollution						
Sub Grou	lb.	Ambient Air						
Sample N	lame	Ambient Noise						
Date of S	ampling	07/06/2023						
Method	of Sampling	IS 9989: 1981						
Sampling	g Duration	24 hrs. Day & Night						
Sampling	g done by	Neetal Laboratories and Environmental Services Private Limited						
It		Results	5					
Cr. No.	Laation		Average Noise Level Reading dB(A)					
Sr. No.	Location	Day Time	Night Time	guidelines				
1	Main Gate	71.2	55.7	Day Time = 75 dB Night Time =70 dB				
2 Admin Office		65.6	53.8	Night Hille = 70 ub				

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

Environmen **Authorized Signatory Reviewed By** PUNE (Ms. Kalyani Gore) (Mr. Abhishek Tope) (Technical Manager) (Quality Manager) Nee ****** *End of Report****

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

			TEST REP	ORT (Stacl	(Emissio	n)	
Repo	rt No.	NLES/23	-24/06/ST/RE/64	546 Report Issue Date		13/06	6/2023
Nam	e and Address of omer		ENAKSHI FERRO			aund,Dist	.Pune-412214, Maharashtra
Disci	pline	Chemical]		aterial: MS
Grou		Pollution	& Environment.	Sample De	scription	Stack He	ight: 36 Mtr
	Group	Stack Emi	ssion			Stack Ty	pe: Round
Date	of Sampling	07/06/20	23	Sampling L	ocation	Inductio	n Furnace Stack
Sampling done by Sample Quantity			boratories and ental Services mited	Sampling d	Sampling duration		
		Thimble : Solution	Thimble 1 Nos and 30 ml Solution		Sampling Procedure		ideline on methodologies for mission monitoring
Start	Date of Analysis	08/06/2	023	End Date of Analysis		13/06/2023	
				Results			
Sr. No.	Paramete	ers	Results	Unit(s)	Specific (MPCB C		Methods
1	Flue Gas Temper	ature	51	°C			
2	Differential Press	sure	3.9	mm WG			
3	3 Velocity		7.42	M/s			
4	4 Total Particulate Matter		47.8	mg/Nm3	≤ 1	50	IS 11255 (Part 1)
5	Sulphur Dioxide (SO ₂)	26.9	mg/Nm3	N.	S.	IS 11255 (Part 2)
6	Sulphur Dioxide ((SO ₂)	0.75	Kg/day	N.:	S.	IS 11255 (Part 2)
7	Oxides of Nitroge	en (Nox)	22.4	mg/Nm3	N.:	S.	IS 11255 (Part 7)
	Remark	All above r	esults are well wi	thin MPCB Lim	it. N.S-Not S	pecified,	

Reviewed By Kalyawi (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Aphishek Tope)

(Quality Manager)

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

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		8.	TEST RE	POF	RT (Stack	Emissic	n)			
Repo	ort No.	NLES/23	-24/06/ST/RE					5/2023		
Nam	e and Address of	M/s.M	M/s.MEENAKSHI FERRO INGOT PVT LTD.							
Cust	omer	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					aund,Dist	Pune-412214, Maharashtra.		
Disci	pline	Chemical					Stack M	aterial: MS		
Grou	ıp	Pollution	& Environment.		Sample Des	cription	Stack He	eight: 18 Mtr		
Sub (Group	Stack Em	Stack Emission		1		Stack Ty	pe: Round		
Date	of Sampling	07/06/20	07/06/2023			cation	Re-Heat	ing Furnace Stack		
Sampling done by E			boratories and iental Services mited		Sampling duration		30 Min			
Sam	ple Quantity	Thimble : Solution			Sampling Procedure End Date of Analysis		CPCB Guideline on methodologies for source emission monitoring 13/06/2023			
Start	Date of Analysis	08/06/2								
		2 ale dal			Results					
Sr. No.	Paramete	rs	Results		Unit(s)	Specific (MPCB C		Methods		
1	Flue Gas Tempera	ature	48		°C			2 V V		
2	Differential Press	ure	4.7	mm WG						
3	3 Velocity		8.32	M/s						
4 Total Particulate Mat		Matter	53.4	mg/Nm3		≤ 150		IS 11255 (Part 1)		
5	Sulphur Dioxide (SO ₂) 23.9		r	ng/Nm3	N.:	S.	IS 11255 (Part 2)			
6	Sulphur Dioxide (SO ₂)	1.12		Kg/day	N.S.		IS 11255 (Part 2)		
7	Oxides of Nitroge	n (Nox)	22.5	r	mg/Nm3	N.:	S.	IS 11255 (Part 7)		
	Remark- A	All above r	esults are well	withir	n MPCB Limit	. N.S-Not Sp	pecified,			

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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		TEST R	EPORT	No. I and a second s	E	
lo:	NLES/23-24/06/W	Z/RE/648	Report Issue Date	13/06/20	23	
nd Address of er		Dist.Pune-41	t.Pune-412214,Maharashtra.			
Name	Workzone Noise		Date of Sampling			
g done by	Neetal Laboratories	and Environment	al Services Private Limited			
		Resu	ults			
Lo	cations	dB(A)		Specifications (The Factories Act 1948, standards)		
Funace Shed		81.4				
Casting Area		73.9	≤90	≤90 CI		
Raw Material H	landling Unit	75.3				
	nd Address of er Name g done by Lo Funace Shed Casting Area	Address of M/s.MEENAKSHI Gut No:350 and 36 Name Workzone Noise g done by Neetal Laboratories Locations Funace Shed	NLES/23-24/06/WZ/RE/648 Ind Address of and Address of or M/s.MEENAKSHI FERRO INGO Gut No:350 and 361, Vill.Bhandga Workzone Noise Name Workzone Noise g done by Neetal Laboratories and Environment Locations dB(A) Funace Shed 81.4 Casting Area 73.9	Ind Address of er M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund, Name Workzone Noise Date of Sampling g done by Neetal Laboratories and Environmental Services Private Limited Results Locations dB(A) Specifications (The Act 1948, stand Funace Shed 81.4 Casting Area 73.9 ≤90	Io: NLES/23-24/06/WZ/RE/648 Report Issue Date 13/06/20 Ind Address of or M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune-41 Indextor Name Workzone Noise Date of Sampling 07/06/202 g done by Neetal Laboratories and Environmental Services Private Limited Indextor Locations dB(A) Specifications (The Factories Act 1948, standards) Funace Shed 81.4 Casting Area 73.9 ≤90	

Reviewed By (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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			TES	T REPORT						
Report No. NLES/23-2			/06/W/RE/649	Report Issue Date	e	13/06/2023				
	e and Address of	M/s.MEEN	M/s.MEENAKSHI FERRO INGOT PVT LTD.							
Cust	omer				,Tq.Daund,Di	st.Pune-412214,Maharashtra.				
Disci	pline	Chemical		Date of Sample C		07/06/2023				
Grou	ib	Water		Sample Quantity		02 lit Plastic Can				
Sub	Group	Surface Wa	ter	Sampling Procedu	ure	APHA 1060				
Sam	ple Description	Matoba Lak	e	Sample Status		Sealed				
Sampling done by		Neetal Laboratories and Environmental Services Private Limited		Environmental Condition for sample storage and Analysis		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH				
Star	t Date of Analysis	08/06/2023	1	End Date of Anal	ysis	13/06/2023				
				Results						
Sr. No.	Parameters		Unit(s)	Results	Methods	8				
	SICAL PARAMETERS									
1	Odour		-	Agreeable	IS 3025 Pa	art-5				
2	pH at 25°C		-	7.23	APHA 4500	0 H+ A, 23 rd Ed. 2017				
3	Turbidity		NTU	0.51	100000 0000000000000000000000000000000	5 3025 Part-10				
4	Total Dissolved Sc	olids	mg/l	629		APHA 2540 C, 23 rd Ed. 2017				
5	Ammonical Nitrog	gen as N	mg/l	0.35	Theorem White Strates	0 NH3, 23 rd Ed. 2017.				
6	Calcium (as Ca)		mg/l	36.9		D Ca B, 23 rd Ed. 2017				
7	Chloride (as Cl)		mg/l	74.3	Control of	0 Cl ⁻ B 23 rd Ed. 2017				
8	Fluoride (as F)		mg/l	0.62	APHA 4500	0 F ⁻ - D 23 rd Ed. 2017				
9	Residual Chlorine	as Cl	mg/l	<0.1	A CONTRACTOR OF A THE CONTRACTOR	IS 3025 Part 26 (Rev.1, RA 2014)				
10	Magnesium (as Mg) mg/l			23.5	APHA 3500 Mg A, 23 rd Ed. 2017					
11				5.07		APHA 4500 NO3- B 23 rd Ed. 2017				
12			mg/l	56.8		0 SO4 E, 23 rd Ed. 2017				
13	Total Alkalinity (as CaCO ₃)		mg/l	212.3	The second of the second of the second	0 B, 23 rd Ed. 2017				
14	1 Total Hardness (as CaCO ₃)		mg/l	361.4	APHA 234	0 B, 23 rd Ed. 2017				
15	Iron (as Fe)		mg/l	0.62	IS 3025 (Pa					
16	Colour		Hazen	1.0	IS 3025 (Pa	art-4)				

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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

			TES	T REPORT		
Repo	ort No.	NLES/23-24	/06/W/RE/650	Report Issue Dat	e	13/06/2023
-	e and Address of	M/s.MEEN	AKSHI FERRO I	NGOT PVT LTD.		
Custo	omer	Gut No:350	and 361, Vill.Bha	andgaon,Khor Road	,Tq.Daund,Di	st.Pune-412214,Maharashtra
Disci	pline	Chemical		Date of Sample C		07/06/2023
Grou	p	Water		Sample Quantity	î.	02 lit Plastic Can
Sub (Group	Ground Wat	ter	Sampling Proced	ure	APHA 1060
Samp	ole Description	Bhandgaon	Village	Sample Status		Sealed
Samp	oling done by	Neetal Labor Environment Private Limite	al Services	Environmental C sample storage a		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH
Start	Date of Analysis	08/06/2023		End Date of Anal	ysis	13/06/2023
				Results		
Sr. No.			Unit(s)	Results	Methods	
PHYS	ICAL PARAMETERS					
1	Odour		-	Agreeable	IS 3025 Pa	
2	pH at 25°C			6.89	APHA 4500	0 H+ A, 23 rd Ed. 2017
3	Turbidity		NTU	0.56	IS 3025 Pa	
4	Total Dissolved Sc	lids	mg/l	479	1 COMMENT DATASET CONTROL OF COM	0 C, 23 rd Ed. 2017
5	Ammonical Nitrog	gen as N	mg/l	0.35) NH3, 23 rd Ed. 2017.
6	Calcium (as Ca)		mg/l	33.9	TO PERSON AND ADDRESS AND ADDRESS ADDR) Ca B, 23 rd Ed. 2017
7	Chloride (as Cl)		mg/l	75.8) СГ- В 23 rd Ed. 2017
8	Fluoride (as F)		mg/l	0.47	APHA 4500) F ⁻ D 23 rd Ed. 2017
9	Residual Chlorine	as Cl	mg/l	<0.1		rt 26 (Rev.1, RA 2014)
10	Magnesium (as M	g)	mg/l	12.4) Mg A, 23 rd Ed. 2017
11	Nitrate (as NO ₃)		mg/l	2.64	TO ALCONTRA DEPARTMENTS) NO3- B 23 rd Ed. 2017
12	Sulphate (as SO ₄)		mg/l	46.9) SO4 E, 23 rd Ed. 2017
13	Total Alkalinity (as	s CaCO ₃)	mg/l	175.3	And the second sec	D B, 23 rd Ed. 2017
14	Total Hardness (a:	s CaCO ₃)	mg/l	261.4	APHA 2340	D B, 23 rd Ed. 2017
15	Iron (as Fe)		mg/l	0.21	IS 3025 (Pa	
16 Colour			Hazen	1.0	IS 3025 (Pa	ort_A)

allian (Ms. Kalyani Gore) (Technical Manager) Environmen PUNE

(Mr. Abhishek Tope) (Quality Manager)

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Repo	ort No.	NLES/	23-24/07/AA/RE/4	412	Report Issue Date 21/07/2023					
Customer		Gut No	M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214,Maharashtra.							
Disci	iscipline Chemical Date & T Sampling				n 10:00 AM of 14/07/2023 to 9 PM of 14/07/2023 (8 hrs)					
Grou	IP	Atmos	pheric Pollution	Samplin	g Procedure	IS 5:	182 Part 5			
Sub	Group	Ambie	nt Air	Samplin	g done by	Serv	tal Laboratories and Environmenta ices Private Limited			
Sam	pling Location	Near N	Aain Gate	Dry bulk	temperature	25°0	3			
Wet	bulb temperature	18°C		 Contract Contract Contract Contract Contract 	Humidity	87 9				
Samp	ole Volume		ml ×1 no. (Plastic Bo ×1no. (Filter Paper),			ic Bott	le)			
Start	Date of Analysis	15/07,	/2023	End Dat	e of Analysis	21/0	07/2023			
			and a line	Results	5					
Sr. No.	Parameters		Results	Unit(s)	Specificatio (NAAQ Stand		Methods			
1	Sulphur Dioxide (SO	2)	15.3	μg/m ³	≤ 80		IS 5182 (Part 2)			
2	Oxides of Nitrogen (NO ₂)	20.6	μg/m ³	≤ 80		IS 5182 (Part 6)			
3	Particulate Matter P	M10	57.8	µg/m ³	≤ 100		IS 5182 (Part 4), 1999			
4	Particulate Matter P	M _{2.5}	26.9	µg/m ³	≤ 60		IS 5182 (Part 24), 2019			
5	Ozone (O ₃)		9.7	μg/m ³	≤ 180		Method 411, Air Sampling and Analysis, 3rd Edition, 2020			
6	Ammonia (NH₃)		4.9	µg/m³	≤ 400		Method 401, Air Sampling and Analysis 3rd Edition, 2020			
7	Lead (Pb)		BDL	μg/m ³	≤ 01		Air Sampling and Analysis, 3rd			
8	Arsenic (As)		BDL	ng/m ³	≤ 06		Edition, 2020			
9	Nickel (Ni)		BDL	ng/m ³	≤ 20					
10	Carbon Monoxide (C	:0)	0.24	mg/m ³	≤ 04		GC FID Methanizer Method			
11	Benzo(a)Pyrene (Bal)	BDL	ng/m ³	≤ 1.0		IS 5182 Part 12			
11	Benzo(a)Pyrene (BaP)			μg/m ³	≤ 05		IS 5182 Part 11			

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE



Repo	ort No.	NLES/	23-24/07/AA/	RE/413	Report Issu	e Date	21/07/2023				
			MEENAKSHI F								
	e and Address of		Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune-								
Cust	omer		4, Maharashtra		.,,						
				Date & Tim	e of	From 10	0:10 AM of 14/07/2023 to 6:10				
Disci	pline	Chemi	cal	Sampling		PM of 1	4/07/2023 (8 hrs)				
C		Atmos	pheric	Sampling P	recedure	IS 5182	Dart 5				
Grou	ιp	Pollut	on	Sampling P	locedure						
Sub	Group	Ambie	nt Air	Sampling d	one by		aboratories and Environmental				
		10000000000000				The second states of	Private Limited				
1000000000	pling Location	The second second	ce Shed	Dry bulb te		25 °C					
	bulb temperature	22°C	1 4 4-1	Relative Hu		85 %	-				
Samp	ole Volume		ml ×1 no. (Plast ×1no. (Filter Pap				e)				
Start	Date of Analysis	15/07		End Date of		21/07/2	2023				
Start Date Of Analysis		15/07	2025	Results		21/01/1					
	(Results							
Sr. No.	Parameters		Results	Unit(s)	Specific (NAAQ Sta		Methods				
1	Sulphur Dioxide (SO;)	13.6	μg/m ³	< 8		IS 5182 (Part 2)				
2	Oxides of Nitrogen (15.2	μg/m ³	≤ 8	0	IS 5182 (Part 6)				
3	Particulate Matter P	S 15 10 500	45.3	μg/m ³	≤ 10	-	IS 5182 (Part 4), 1999				
4	Particulate Matter P		22.4	μg/m ³	≤ 6		IS 5182 (Part 24), 2019				
							Method 411, Air Sampling and				
5	Ozone (O ₃)		9.6	μg/m ³	≤ 18	30	Analysis, 3rd Edition, 2020				
6	Ammonia (NH)		2.5	μg/m ³	- 10	10	Method 401, Air Sampling and				
6	Ammonia (NH ₃)		3.5		≤ 40		Analysis 3rd Edition, 2020				
7	Lead (Pb)		BDL	μg/m ³	≤ 0		Air Sampling and Analysis, 3rd				
8	Arsenic (As)		BDL	ng/m ³	≤0		Edition, 2020				
9	Nickel (Ni)		BDL	ng/m ³	≤ 2						
10	Carbon Monoxide (C		0.25	mg/m ³	≤ 0		GC FID Methanizer Method				
11	Benzo(a)Pyrene (Bal	?)	BDL	ng/m ³	≤ 1.	0	IS 5182 Part 12				
12	Benzene(C ₆ H ₆)		BDL	μg/m ³	≤ 0	5	IS 5182 Part 11				

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)



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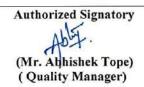
		1	TEST REPO				
Repo	ort No.	-	23-24/07/AA/RE/	And the part of the	eport Issue Da	ite	21/07/2023
	e and Address of omer	Gut No	DEENAKSHI FER			q.Dau	nd,Dist.Pune-
Disci	pline	412214,Maharashtra.		Date & Time of Sampling		School of the second second	n 10:20 AM of 14/07/2023 to PM of 14/07/2023 (8 hrs)
Group		Atmos	pheric Pollution	Sampling	Procedure	IS 51	82 Part 5
	Group	Ambie		Sampling	done by		al Laboratories and Environmenta ces Private Limited
Sam	pling Location	Rolling	Mill Shed	Dry bulb	temperature	26°C	
	bulb temperature	20 ⁰ C		Relative	Humidity	83 %	
Samp	ole Volume	and the second sec	ml ×1 no. (Plastic B ×1no. (Filter Paper)	a meteria producer a competence			tle)
Star	Date of Analysis	15/07/	2023	End Date	of Analysis	21/0	7/2023
				Results			
Sr. No.	Parameters		Results	Unit(s)	Specification (NAAQ Stand		Methods
1	Sulphur Dioxide (SO ₂)		15.3	µg/m ³	≤ 80		IS 5182 (Part 2)
2	Oxides of Nitrogen (N	O ₂)	17.7	µg/m ³	≤ 80		IS 5182 (Part 6)
3	Particulate Matter PM	110	47.8	µg/m ³	≤ 100		IS 5182 (Part 4), 1999
4	Particulate Matter PM	12.5	23.9	$\mu g/m^3$	≤ 60		IS 5182 (Part 24), 2019
5	Ozone (O ₃)		9.6	µg/m³	≤ 180		Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH ₃)		3.7	µg/m³	≤ 400		Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)		BDL	µg/m³	≤ 01		Air Sampling and Analysis, 3rd
8	Arsenic (As)		BDL	ng/m ³	≤ 06		Edition, 2020
9	Nickel (Ni)		BDL	ng/m ³	≤ 20		
10	Carbon Monoxide (CC))	0.31	mg/m ³	≤ 04		GC FID Methanizer Method
	Benzo(a)Pyrene (BaP)		BDL	ng/m ³	≤ 1.0		IS 5182 Part 12
11	Denzo(a) yrene (bar)			100000			

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

Reviewed By

Lalyan (Ms. Kalyani Gore) (Technical Manager)

Environmen



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		TEST REPC	RT					
Report N	lo.	NLES/23-24/07/NI/RE/415	Report Issue Date	21/07/2023				
Name and Address of CustomerM/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214,Maharashtra.								
Disciplin	e	Chemical						
Group		Atmospheric Pollution						
Sub Grou	qt	Ambient Air						
Sample N	Name	Ambient Noise						
Date of S	Sampling	14/07/2023						
Method	of Sampling	IS 9989: 1981						
Sampling	g Duration	24 hrs. Day & Night						
Sampling	g done by	Neetal Laboratories and Environ	mental Services Private Li	mited				
		Results						
Sr. No.	Location		se Level Reading IB(A)	Limits as per CPCI				
51. 190.	Location	Day Time	Night Time	guidelines				
1	Main Gate	68.7	55.9	Day Time = 75 dB Night Time =70 dB				
2	Admin Office	63.9	63.9 45.2					



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

			TEST REI	PORT	(Stack	Emissio	n)	
Repo	rt No.	NLES/23	-24/07/ST/RE/	416	Report Is	sue Date	21/07	/2023
Name Custo	e and Address of mer		ENAKSHI FER				aund, Dist	.Pune-412214,Maharashtra
Discip	oline	Chemical						aterial: MS
Group	D	Pollution	& Environment.	5	Sample Des	cription	Stack He	ight: 36 Mtr
Sub Group		Stack Emi	ssion				Stack Ty	pe: Round
Date	of Sampling	14/07/20	23	5	Sampling Lo	ocation	Inductio	n Furnace Stack
Samp	ling done by		boratories and ental Services mited	S	Sampling du	uration	30 Min	
Samp	Sample Quantity		Thimble 1 Nos and 30 ml Solution		Sampling Procedure		1	ideline on methodologies for mission monitoring
Start	Date of Analysis	15/07/20	023	I	End Date o	of Analysis	21/07/2	2023
			and a second second	R	esults			
Sr. No.	Paramete	rs	Results	U	nit(s)	Specific (MPCB C		Methods
1	Flue Gas Temper	ature	54		°C			
2	Differential Press	ure	3.1	m	m WG			
3	Velocity		7.04		M/s			
4	Total Particulate	Matter	43.5	mg	g/Nm3	≤ 1	50	IS 11255 (Part 1)
5	Sulphur Dioxide (SO ₂)	22.4	mg	g/Nm3	N.	S.	IS 11255 (Part 2)
6	Sulphur Dioxide (SO ₂)	0.97	K	g/day	N.	S.	IS 11255 (Part 2)
7	Oxides of Nitroge	en (Nox)	25.5	mg	g/Nm3	N.	S.	IS 11255 (Part 7)
	Remark-	All above r	esults are well	within I	MPCB Limi	t. N.S-Not S	pecified,	

Reviewed By (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory Aby (Mr. Abhishek Tope) (Quality Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE



			TEST RE	POR	T (Stack	Emissio	n)	
Repo	ort No.	NLES/23	3-24/07/ST/RE/	417	Report I	ssue Date	21/07	7/2023
	e and Address of omer	1000	EENAKSHI FER 350 and 361, Vi				aund,Dist	t.Pune-412214,Maharashtra.
Disci	pline	Chemical					1	aterial: MS
Grou	ip	Pollution	& Environment.		Sample Des	scription	Stack He	eight: 18 Mtr
Sub Group		Stack Em	ission				Stack Ty	pe: Round
Date	of Sampling	14/07/20	23		Sampling L	ocation	Re-Heat	ing Furnace Stack
Samj	pling done by	No. Clickensharen seon	boratories and nental Services mited		Sampling d	uration	30 Min	
Sample Quantity		Thimble 2 Solution			Sampling Procedure		25 CODO-	uideline on methodologies for emission monitoring
Start	Date of Analysis	15/07/2	023		End Date	of Analysis	21/07/2	2023
					Results			
Sr. No.	Paramete	rs	Results		Unit(s)	Specific (MPCB C		Methods
1	Flue Gas Tempera	ature	49		°C			40 D =
2	Differential Press	ure	2.6	r	nm WG			
3	Velocity	×	7.89		M/s			
4	Total Particulate	Matter	55.2	n	ng/Nm3	≤ 1	50	IS 11255 (Part 1)
5	Sulphur Dioxide (SO ₂)	21.9	n	ng/Nm3	N.5	S.	IS 11255 (Part 2)
6	Sulphur Dioxide (SO ₂)	1.01		Kg/day	N.5	S.	IS 11255 (Part 2)
7	Oxides of Nitroge	en (Nox)	24.5	n	ng/Nm3	N.5	5.	IS 11255 (Part 7)
	Remark- /	All above r	esults are well	within	MPCB Limi	t. N.S-Not Sp	pecified,	

*x

Reviewed By

(Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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			TEST R	EPORT			
Report I	No:	NLES/23-24/07/V	VZ/RE/418	Report Issue Date	21/07/20	23	
Name and Address of Customer		The second	M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune-412214				
Sample Name Workzone Noise Date of Sampling 14/07/20				23			
Samplin	ig done by	Neetal Laboratories	and Environmen	tal Services Private Limited			
建設	<u></u>		Res	ults			
Sr. No.	Le	ocations	dB(A)	Specifications (The Act 1948, stand	Stepones and the State and the second	Method	
1.	Funace Shed		81.6				
2.	Casting Area		75.3	≤90		CPCB Guideline	
3.	Raw Material	Handling Unit	70.8				
Remark	- The Factorie	s Act, 1948, has prese	cribed 90 dB (A)	as an upper limit of noise	e level for 8 h	ours exposure.	
	Revie	wed By	0	A	uthorized Sign	natory	



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

Report No. NLES/23-24/		/07/W/RE/419	Report Issue Date	21/07/2023				
Name	and Address of			NGOT PVT LTD.				
Custo					st.Pune-412214,Maharashtra			
Discip	oline	Chemical		Date of Sample C		14/07/2023		
Grou	CAN CLE SCORE	Water		Sample Quantity		02 lit Plastic Can		
Sub G		Surface Wat	er	Sampling Procedu	ure	APHA 1060		
	le Description	Matoba Lak	e	Sample Status		Sealed		
	ling done by	Neetal Labor Environment Private Limite	al Services	Environmental Co sample storage a				
Start	rt Date of Analysis 15/07/2023 En		End Date of Anal	ysis	21/07/2023			
				Results				
Sr.	Parameters		Unit(s)	Results	Methods			
No.			44. 12					
PHYS	ICAL PARAMETERS	l.						
1	Odour			Agreeable	IS 3025 Pa			
2	pH at 25°C		-	7.28	and the second second second second) H+ A, 23 rd Ed. 2017		
3	Turbidity		NTU	0.56		025 Part-10		
4	Total Dissolved Sc	lids	mg/l	742		0 C, 23 rd Ed. 2017		
5	Ammonical Nitrog	en as N	mg/l	0.39) NH3, 23 rd Ed. 2017.		
6	Calcium (as Ca)		mg/l	46.7) Ca B, 23 rd Ed. 2017		
7	Chloride (as Cl)		mg/l	91.2) Cl ⁻ - B 23 rd Ed. 2017		
8	Fluoride (as F)		mg/l	0.59	Contraction of the second s) F ⁻ - D 23 rd Ed. 2017		
9	Residual Chlorine	Martha adaga	mg/l	<0.1		rt 26 (Rev.1, RA 2014)		
10	Magnesium (as M	g)	mg/l	25.4) Mg A, 23 rd Ed. 2017		
11	Nitrate (as NO ₃)		mg/l	5.26) NO3- B 23 rd Ed. 2017		
12	Sulphate (as SO ₄)		mg/l	47.8		0 SO4 E, 23 rd Ed. 2017		
13	Total Alkalinity (as		mg/l	224.5		D B, 23 rd Ed. 2017		
14	Total Hardness (a:	s CaCO ₃)	mg/l	323.6		D B, 23 rd Ed. 2017		
15	Iron (as Fe)		mg/l	0.51	IS 3025 (Pa			
16	Colour		Hazen	1.0	IS 3025 (Pa	art-4)		

Valyan (Ms. Kalyani Gore) (Technical Manager)

(Mr. Abhishek Tope) (Quality Manager)

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

			TES	T REPORT				
Repo	rt No.	NLES/23-24	/07/W/RE/420	Report Issue Date	e	21/07/2023		
	e and Address of	M/s.MEEN	AKSHI FERRO I	NGOT PVT LTD.				
Custo	omer			handgaon,Khor Road,Tq.Daund,Dist.Pune-412214,Maharashtra				
Disci	pline	Chemical		Date of Sample C		14/07/2023		
Grou	p	Water		Sample Quantity		02 lit Plastic Can		
Sub (Group	Ground Wa	ter	Sampling Procedu	ure	APHA 1060		
Samp	le Description	Bhandgaon	Village	Sample Status		Sealed		
Samp	bling done by	Neetal Labor Environment Private Limite	al Services	Environmental Co sample storage a		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH		
Start	Date of Analysis	15/07/2023		End Date of Anal	ysis	21/07/2023		
				Results				
Sr.	Parameters		Unit(s)	Results	Methods	i.		
No.	k.							
PHYS	ICAL PARAMETERS							
1	Odour		-	Agreeable	IS 3025 Pa			
2	pH at 25°C		-	6.87		0 H+ A, 23 rd Ed. 2017		
3	Turbidity	-	NTU	0.39	IS 3025 Pa			
4	Total Dissolved So	lids	mg/l	546		0 C, 23 rd Ed. 2017		
5	Ammonical Nitrog	en as N	mg/l	0.37	() < 1 () < 1 () < 1 () () () () () () () () () () () () ()	0 NH3, 23 rd Ed. 2017.		
6	Calcium (as Ca)		mg/l	36.9		D Ca B, 23 rd Ed. 2017		
7	Chloride (as Cl)		mg/l	71.2		0 Cl ⁻ B 23 rd Ed. 2017		
8	Fluoride (as F)		mg/l	0.36		0 F ⁻ - D 23 rd Ed. 2017		
9	Residual Chlorine	as Cl	mg/l	<0.1		rt 26 (Rev.1, RA 2014)		
10	Magnesium (as M	g)	mg/l	22.7		0 Mg A, 23 rd Ed. 2017		
11	Nitrate (as NO ₃)		mg/l	2.13	A REAL PROPERTY AND A REAL	0 NO3- B 23 rd Ed. 2017		
12	Sulphate (as SO ₄)		mg/l	51.5		0 SO4 E, 23 rd Ed. 2017		
13	Total Alkalinity (as	s CaCO ₃)	mg/l	161.2	and the second s	D B, 23 rd Ed. 2017		
14	Total Hardness (as	s CaCO ₃)	mg/l	252.6	APHA 2340	0 B, 23 rd Ed. 2017		
15	Iron (as Fe)		mg/l	0.29	IS 3025 (Pa			
16	Colour		Hazen	1.0	IS 3025 (Pa	ort (1)		

Reviewed By

Juan algani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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			OTEST	REPORT (A	mbient	Air)		
Repo	ort No.	NLES/2	23-24/08/A	A/RE/96	Report Is	ssue Date	19/08/2023	
Name and Address of Customer		Gut No		I FERRO INGO 51, Vill.Bhandga tra.		ad,Tq.Dau	ind,Dist.Pune-	
Disci	pline	Chemi		Date & Time Sampling	e of		0:10 AM of 12/08/2023 to 6:10 12/08/2023 (8 hrs)	
Grou	ip	Atmos Polluti		Sampling Pr	ocedure	IS 5182	Part 5	
Sub (Group	Ambie	nt Air	Sampling do	one by	Services	aboratories and Environmental Private Limited	
Sam	pling Location		Aain Gate	Dry bulb ter	nperature	26°C		
Wet	bulb temperature	22 °C		Relative Hu	midity	85 %		
Samp	ole Volume			astic Bottle), NO ₂ Paper), PM _{2.5} :1×1				
Start	Date of Analysis	14/08/	2023	End Date of	Analysis	19/08/	2023	
			and the second second	Result	s			
Sr. No.	Parameters		Results	Unit(s)	Specific (NAAQ St		Methods	
1	Sulphur Dioxide (SO ₂)		14.2	μg/m ³	≤ 8	30	IS 5182 (Part 2)	
2	Oxides of Nitrogen (N	O ₂)	18.9	μg/m ³	≤ 80		IS 5182 (Part 6)	
3	Particulate Matter PM	N ₁₀	44.5	μg/m ³	≤1	00	IS 5182 (Part 4), 1999	
4	Particulate Matter PM	A _{2.5}	21.6	µg/m ³	≤ €	50	IS 5182 (Part 24), 2019	
5	Ozone (O ₃)		9.5	μg/m ³	≤1	80	Method 411, Air Sampling and Analysis, 3rd Edition, 2020	
6	Ammonia (NH ₃)		4.2	µg/m³	≤ 4	00	Method 401, Air Sampling and Analysis 3rd Edition, 2020	
7	Lead (Pb)		BDL	μg/m ³	≤ (01	Air Sampling and Analysis, 3rd	
8	Arsenic (As)		BDL	ng/m ³	≤ (C4925	Edition, 2020	
9	Nickel (Ni)		BDL	ng/m ³	≤ 2	20		
10	Carbon Monoxide (CC)	0.25	mg/m ³	≤ (04	GC FID Methanizer Method	
canatr.	Benzo(a)Pyrene (BaP)		BDL	ng/m ³	≤1	0	IS 5182 Part 12	
11				μg/m ³	≤ 1.0 ≤ 05			

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

Reviewed By

Valuan (Ms. Kalyani Gore) (Technical Manager)

Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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

Der		NI EC /2	TEST REPO			-	8/2022		
керс	ort No.	The second second second second	ILES/23-24/08/AA/RE/97 Report Issue Date 19/08/2023 M/s.MEENAKSHI FERRO INGOT PVT LTD.						
	ie and Address of omer	Gut No	:350 and 361, Vill.I ,Maharashtra.						
Disci	ipline	Chemic	al	Date & Ti Sampling			n 10:20 AM of 12/08/2023 to PM of 12/08/2023 (8 hrs)		
Grou	Group		heric Pollution	Sampling	Procedure	IS 51	.82 Part 5		
	Group	Ambier	nt Air	Sampling	done by	(Instruction	al Laboratories and Environmenta ces Private Limited		
Sam	pling Location	Furnac	e Shed	Dry bulb	temperature	26°C			
CRANTER RELEVAN	bulb temperature	21°C		Relative H	lumidity	81 %	5		
Samp	ple Volume		nl ×1 no. (Plastic Bot 1no. (Filter Paper), F			ic Bott	e)		
Star	t Date of Analysis	14/08/	2023	End Date	of Analysis	19/0	08/2023		
			attention and	Results		5.87			
Sr. No.	Parameters		Results	Unit(s)	Specificati (NAAQ Stand		Methods		
1	Sulphur Dioxide (SO	2)	15.4	µg/m ³	≤ 80		IS 5182 (Part 2)		
2	Oxides of Nitrogen (NO ₂)	22.6	µg/m³	≤ 80		IS 5182 (Part 6)		
3	Particulate Matter P	M ₁₀	45.8	µg/m ³	≤ 100		IS 5182 (Part 4), 1999		
4	Particulate Matter P	M _{2.5}	21.6	µg/m ³	≤ 60		IS 5182 (Part 24), 2019		
	Ozone (O ₃)		9.8	µg/m³	≤ 180		Method 411, Air Sampling and Analysis, 3rd Edition, 2020		
5	100		4.9	µg/m³	≤ 400		Method 401, Air Sampling and Analysis 3rd Edition, 2020		
5 6	Ammonia (NH ₃)			1 1	≤ 01		Air Sampling and Analysis, 3rd		
	Ammonia (NH ₃) Lead (Pb)		BDL	μg/m ³	≤ 01				
6			BDL BDL	ng/m ³	≤ 06		Edition, 2020		
6 7	Lead (Pb)			μg/m ³ ng/m ³ ng/m ³			Edition, 2020		
6 7 8	Lead (Pb) Arsenic (As)	:0)	BDL	ng/m ³ ng/m ³ mg/m ³	≤ 06				
6 7 8 9	Lead (Pb) Arsenic (As) Nickel (Ni)		BDL BDL	ng/m ³ ng/m ³	≤ 06 ≤ 20		Edition, 2020		

emark- All above results are within National Ambient Air Quality standar

Reviewed By alyan (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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						nbient A				
	ort No.		3-24/08/AA/R			rt Issue Dat	e 19/0	8/2023		
Nam	e and Address of	The Colored Color Colored	EENAKSHI FE							
Cust	omer	Gut No:	350 and 361,	Vill.Bhand	gaon,	gaon,Khor Road,Tq.Daund,Dist.Pune-412214,Maharashtra				
Discipline Chen		Chemic	al	Date & Sampli		of		0:30 AM of 12/08/2023 to 6:30 12/08/2023 (8 hrs)		
Grou	p	Atmosp Pollutio		Sampli	ng Pro	ocedure	IS 5182	Part 5		
Sub	Group	Ambien	t Air	Sampli	ng do	ne by	Services	aboratories and Environmental Private Limited		
Sam	oling Location	Rolling	Mill Shed	Dry bu	lb ten	perature	26°C			
Mat hulk		22 ⁰ C		Relativ	e Hun	nidity	83 %			
Sample Volume SO ₂			0 ml ×1 no. (Plastic Bottle), NO ₂ :30 ml×1 no. (Plastic Bottle) :1×1no. (Filter Paper), PM _{2.5} :1×1no. (Filter Paper))		
		14/08/2				Analysis	19/08/	2023		
			A CARLON AND A CARLON	Re	sults					
Sr. No.	Parameter	rs	Results	Unit	t(s)	Specifi (NAAQ St	cations andards)	Methods		
1	Sulphur Dioxide (S	O ₂)	16.1	μg/	′m³	5	80	IS 5182 (Part 2)		
2	Oxides of Nitrogen	(NO ₂)	17.2	μg/		≤ :	80	IS 5182 (Part 6)		
3	Particulate Matter	PM10	47.8	μg/		≤ 1	.00	IS 5182 (Part 4), 1999		
4	Particulate Matter	PM2.5	24.5	μg/		5	50	IS 5182 (Part 24), 2019		
5	Ozone (O ₃)		9.6	μg/	′m³	≤ 1	.80	Method 411, Air Sampling and Analysis, 3rd Edition, 2020		
6	Ammonia (NH₃)		3.7	μg/	'n³	≤ 4	00	Method 401, Air Sampling and Analysis 3rd Edition, 2020		
7	Lead (Pb)		BDL	μg/		≤		Air Sampling and Analysis, 3rd		
8	Arsenic (As)		BDL	ng/	′m³	≤	2000 P	Edition, 2020		
9	Nickel (Ni)		BDL	ng/	′m³	≤ :	20			
10	Carbon Monoxide	(CO)	0.25	mg/		≤	D4	GC FID Methanizer Method		
10				IS 5182 Part 12						
10	11 Benzo(a)Pyrene (BaP)		000							

Reviewed By

Kalyany (Ms. Kalvani Gore) (Technical Manager)



(Mr. Abhishek Tope)

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

		TEST REP	PORT						
Report N	ю.	NLES/23-24/08/NI/RE/99	Report Issue Date	19/08/2023					
Name and Address of Customer			M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214 Maharashtra.						
Discipline	e	Chemical							
Group		Atmospheric Pollution							
Sub Grou	qu	Ambient Air							
Sample N	lame	Ambient Noise							
Date of Sampling		12/08/2023							
Method of Sampling		IS 9989: 1981							
Sampling Duration		24 hrs. Day & Night							
Sampling	g done by	Neetal Laboratories and Environmental Services Private Limited							
	A BARREL	Result	ts						
Cr. No.	Leasting	Average N	loise Level Reading dB(A)	Limits as per CPCB guidelines					
Sr. No.	Location	Day Time	Night Time						
1	Main Gate	67.4	53.2	Day Time = 75 dB					
2	Admin Office	56.9	50.7	Night Time =70 dB					

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

Reviewed By Kolyani (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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

			TEST REP	PORT (Sta	ack Emissio	n)		
Repo	rt No.	NLES/23	-24/08/ST/RE/1	LOO Rep	ort Issue Date	19/08	3/2023	
Name Custo	e and Address of omer		ENAKSHI FERF			aund,Dist	Pune-412214,Maharashtra	
Discip	oline	Chemical					aterial: MS	
Grou	р	Pollution	& Environment.	Sample	Description	Stack He	eight: 36 Mtr	
Sub Group		Stack Emi	ssion			Stack Ty	pe: Round	
Date of Sampling		12/08/20	23	Sampli	ng Location	Inductio	n Furnace Stack	
Sampling done by Sample Quantity			boratories and ental Services mited	Sampli	Sampling duration		30 Min	
		Thimble 1 Nos and 30 ml Solution		Sampli	Sampling Procedure		ideline on methodologies for mission monitoring	
Start	Date of Analysis	14/08/20	/08/2023		ate of Analysis	19/08/2	2023	
				Result	S	Seat State		
Sr. No.	Paramete	rs	Results	Unit(s)	Specific (MPCB C		Methods	
1	Flue Gas Temper	ature	48	°C				
2	Differential Press	sure	4.1	mm WG			-	
3	Velocity		8.04	M/s				
4	Total Particulate	Matter	53.2	mg/Nm3	5 ≤ 1	50	IS 11255 (Part 1)	
5	Sulphur Dioxide ((SO ₂)	24.6	mg/Nm3	N.	S.	IS 11255 (Part 2)	
6	Sulphur Dioxide ((SO ₂)	1.08	Kg/day	N.	S.	IS 11255 (Part 2)	
7	Oxides of Nitroge	en (Nox)	27.4	mg/Nm3	8 N.	S.	IS 11255 (Part 7)	
	Remark-	All above r	esults are well v	within MPCB	Limit. N.S-Not S	pecified,		

Reviewed By <u>kalyau</u> (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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			TEST RE	POR	T (Stack	Emissio	n)			
Repo	ort No.	NLES/23	-24/08/ST/RE/	/101	Report Is	sue Date	19/08	3/2023		
Nam	e and Address of	M/s.ME	ENAKSHI FER	RO IN	IGOT PVT I	.TD.				
Custo	omer	Gut No:3	ut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune-412214,Maharashtra.							
Disci	pline	Chemical					Stack M	aterial: MS		
Grou	ıp	Pollution	& Environment.		Sample Des	cription	Stack He	ight: 18 Mtr		
Sub Group		Stack Em	ission				Stack Ty	pe: Round		
Date of Sampling		12/08/20	23		Sampling Lo	cation	Re-Heat	ing Furnace Stack		
Sampling done by			boratories and ental Services mited	Sampling d		uration	30 Min			
Sam	ple Quantity	Thimble 2 Solution	e 1 Nos and 30 ml n		Sampling Procedure		CPCB Guideline on methodologies for source emission monitoring			
Start	Date of Analysis	14/08/2	/2023		End Date o	of Analysis	19/08/2	2023		
					Results					
Sr. No.	Paramete	rs	Results		Unit(s)	Specific (MPCB C		Methods		
1	Flue Gas Tempera	ature	46		°C			× 4)		
2	Differential Press	ure	4.9	r	nm WG					
3	Velocity	1	8.51		M/s					
4	Total Particulate	Matter	53.9	n	ng/Nm3	≤ 1	50	IS 11255 (Part 1)		
5	Sulphur Dioxide (SO ₂)	22.4	n	ng/Nm3	N.S	S.	IS 11255 (Part 2)		
6	Sulphur Dioxide (SO ₂)	1.12		Kg/day	N.5	S.	IS 11255 (Part 2)		
7	Oxides of Nitroge	n (Nox)	20.4	n	ng/Nm3	N.S	S.	IS 11255 (Part 7)		
	Remark- A	All above r	esults are well	withir	MPCB Limit	t. N.S-Not Sp	pecified,			

Reviewed By (Ms. Kalyani Gore)

(Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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

			TEST F	EPORT			
Report I	No:	NLES/23-24/08/W	/Z/RE/102	Report Issue Date	19/08/20	23	
Name an Custome	nd Address of er	M/s.MEENAKSH Gut No:350 and 30		T PVT LTD. aon,Khor Road,Tq.Daund,	Dist.Pune-41	2214, Maharashtra	
Sample	Name	Workzone Noise		Date of Sampling	12/08/202	23	
Sampling done by		Neetal Laboratories and Environmental Services Private Limited					
	14-26-1-1-4-		Res	ults			
Sr. No.	Lo	cations	dB(A)		Specifications (The Factories Act 1948, standards)		
1.	Funace Shed		76.4				
2.	Casting Area		71.2	≤90	≤90		
3. Raw Material Handling Unit			70.9				

Reviewed By (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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

			TES	T REPORT		
Repo	rt No.	NLES/23-24	/08/W/RE/103	Report Issue Date	e	19/08/2023
	e and Address of	M/s.MEEN	AKSHI FERRO I	NGOT PVT LTD.		
Custo	omer				,Tq.Daund,Di	st.Pune-412214,Maharashtra
Disci	pline	Chemical		Date of Sample C		12/08/2023
Grou		Water		Sample Quantity		02 lit Plastic Can
	Group	Surface Wa	ter	Sampling Procedu	ure	APHA 1060
Samp	le Description	Matoba Lak	e	Sample Status		Sealed
Sampling done by		Neetal Labor Environment Private Limit	al Services	Environmental Co sample storage a		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH
Start	Date of Analysis	14/08/2023		End Date of Anal	ysis	19/08/2023
				Results		
Sr. Parameters		Unit(s)	Results	Methods		
No.						-
PHYS	ICAL PARAMETERS	1				
1	Odour		-	Agreeable	IS 3025 Pa	
2	pH at 25°C			7.69	APHA 4500	0 H+ A, 23 rd Ed. 2017
3	Turbidity		NTU	0.43	IS 3025 Pa	
4	Total Dissolved Sc	olids	mg/l	512		0 C, 23 rd Ed. 2017
5	Ammonical Nitrog	gen as N	mg/l	0.29		0 NH3, 23 rd Ed. 2017.
6	Calcium (as Ca)		mg/l	31.4	Construction and a state of the second	0 Ca B, 23 rd Ed. 2017
7	Chloride (as Cl)		mg/l	79.8		0 CI - B 23 rd Ed. 2017
8	Fluoride (as F)		mg/l	0.56	A CONTRACTOR OF A CONTRACTOR	0 F ⁻ - D 23 rd Ed. 2017
9	Residual Chlorine	as Cl	mg/l	<0.1		rt 26 (Rev.1, RA 2014)
10	Magnesium (as M	g)	mg/l	25.4		0 Mg A, 23 rd Ed. 2017
11	Nitrate (as NO ₃)		mg/l	4.72		0 NO3- B 23 rd Ed. 2017
12			mg/l	45.8		0 SO4 E, 23 rd Ed. 2017
13	Total Alkalinity (a:		mg/l	174.6		0 B, 23 rd Ed. 2017
14	Total Hardness (a	s CaCO ₃)	mg/l	307.5	APHA 234	0 B, 23 rd Ed. 2017
15	Iron (as Fe)		mg/l	0.49	IS 3025 (Pa	entral states of
16	Colour		Hazen	1.0	IS 3025 (Pa	art-4)
	Review	ved By			Auth	orized Signatory

calyan Katyani Gore) (Ms. (Technical Manager)

Environmen PUNE Ene of Report******************

bhishek Tope) (Mr (Quality Manager)

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

	_		TES	T REPORT				
Repo	ort No.	NLES/23-24	/08/W/RE/104	Report Issue Date	9	19/08/2023		
	e and Address of			NGOT PVT LTD.				
Cust	omer				,Tq.Daund,Di	st.Pune-412214,Maharashtra.		
Disci	pline	Chemical		Date of Sample Collection		12/08/2023		
Group Water			Sample Quantity		02 lit Plastic Can			
Sub	Group	Ground Wat	ter	Sampling Proced	ure	APHA 1060		
		Bhandgaon	Village	Sample Status		Sealed		
Sampling done by		Neetal Laboratories and Environmental Services Private Limited		Environmental Co sample storage a		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH		
Start	tart Date of Analysis 14/08/2			End Date of Anal	ysis	19/08/2023		
				Results				
Sr. Parameters		Unit(s)	Results	Methods	1			
No.	_							
PHYS	SICAL PARAMETERS							
1	Odour			Agreeable	IS 3025 Pa			
2	pH at 25°C		19	6.72		0 H+ A, 23 rd Ed. 2017		
3	Turbidity		NTU	0.41	IS 3025 Pa			
4	Total Dissolved Sc	olids	mg/l	464		0 C, 23 rd Ed. 2017		
5	Ammonical Nitrog	gen as N	mg/l	0.39		0 NH3, 23 rd Ed. 2017.		
6	Calcium (as Ca)		mg/l	20.7		D Ca B, 23 rd Ed. 2017		
7	Chloride (as Cl)		mg/l	72.4		0 Cl ⁻ B 23 rd Ed. 2017		
8	Fluoride (as F)		mg/l	0.43	Contraction of the set in the set	0 F ⁻ - D 23 rd Ed. 2017		
9	Residual Chlorine	as Cl	mg/l	<0.1	and the second second second second	rt 26 (Rev.1, RA 2014)		
10	Magnesium (as M	g)	mg/l	21.6		0 Mg A, 23 rd Ed. 2017		
11	Nitrate (as NO ₃)		mg/l	2.37		0 NO3- B 23 rd Ed. 2017		
12			mg/l	48.9		0 SO4 E, 23 rd Ed. 2017		
13	Total Alkalinity (a:	s CaCO ₃)	mg/l	172.4		0 B, 23 rd Ed. 2017		
14	Total Hardness (a:	s CaCO ₃)	mg/l	261.5	APHA 234	0 B, 23 rd Ed. 2017		
15	Iron (as Fe)		mg/l	0.21	IS 3025 (Pa			
16	Colour		Hazen	1.0	IS 3025 (Pa	art-4)		
	Reviewed	1 By	1		Auth	Authorized Signatory		

Reviewed By

alyan (Ms. Kalyani Gore) (Technical Manager)

Environmen PUNE *End of Report***************

Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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			TEST F	REPORT (A	mbient /	Air)		
Rep	ort No.	NLES/2	3-24/09/AA	/RE/119	Report Issue Date		21/09/2023	
	ne and Address of comer	Gut No		FERRO INGOT ., Vill.Bhandgao a.		,Tq.Daun	d,Dist.Pune-	
Disc	ipline	Chemic	al	Date & Time Sampling	of		0:00 AM of 15/09/2023 to 6:00 .5/09/2023 (8 hrs)	
Grou	up	Atmosp Pollutio		Sampling Pro	ocedure	IS 5182	Part 5	
		Ambien	nt Air	Sampling do	ne by	- CONTRACTOR OF STATES	aboratories and Environmental Private Limited	
Sampling Location		Construction and an and	ain Gate	Dry bulb ten	nperature	27°C		
	bulb temperature	21°C		Relative Hun				
				tic Bottle), NO ₂ :3 per), PM _{2.5} :1×1nc			e)	
Start Date of Analysis 16/09/2023		2023	End Date of	Analysis	21/09/2	2023		
				Results				
Sr. No.	Parameters		Results	Unit(s)	Specific (NAAQ Sta		Methods	
1	Sulphur Dioxide (SO	2)	16.7	$\mu g/m^3$	≤ 8		IS 5182 (Part 2)	
1	Sulphur Dioxide (SO ₂ Oxides of Nitrogen (I		16.7 21.5	μg/m ³		0		
-		NO ₂)		7.4 (77)	≤ 8	0	IS 5182 (Part 2) IS 5182 (Part 6) IS 5182 (Part 4), 1999	
2	Oxides of Nitrogen (NO ₂) M ₁₀	21.5	μg/m ³ μg/m ³	≤ 8 ≤ 8	0	IS 5182 (Part 6) IS 5182 (Part 4), 1999	
2 3	Oxides of Nitrogen (Particulate Matter P	NO ₂) M ₁₀	21.5 45.8	μg/m ³	≤ 8 ≤ 8 ≤ 10	0 0 00 0	IS 5182 (Part 6)	
2 3 4 5 6	Oxides of Nitrogen (I Particulate Matter P Particulate Matter P Ozone (O ₃) Ammonia (NH ₃)	NO ₂) M ₁₀	21.5 45.8 23.9 9.7 4.9	μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³	≤ 8 ≤ 8 ≤ 10 ≤ 6	0 0 00 0 30	IS 5182 (Part 6) IS 5182 (Part 4), 1999 IS 5182 (Part 24), 2019 Method 411, Air Sampling and	
2 3 4 5 6 7	Oxides of Nitrogen (I Particulate Matter P Particulate Matter P Ozone (O ₃) Ammonia (NH ₃) Lead (Pb)	NO ₂) M ₁₀	21.5 45.8 23.9 9.7 4.9 BDL	μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³	≤ 8 ≤ 8 ≤ 10 ≤ 6 ≤ 18 ≤ 40	0 0 00 0 30 30 1	IS 5182 (Part 6) IS 5182 (Part 4), 1999 IS 5182 (Part 24), 2019 Method 411, Air Sampling and Analysis, 3rd Edition, 2020 Method 401, Air Sampling and	
2 3 4 5 6 7 8	Oxides of Nitrogen (1 Particulate Matter P Particulate Matter P Ozone (O ₃) Ammonia (NH ₃) Lead (Pb) Arsenic (As)	NO ₂) M ₁₀	21.5 45.8 23.9 9.7 4.9 BDL BDL	μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³	≤ 8 ≤ 8 ≤ 10 ≤ 6 ≤ 18 ≤ 40 ≤ 0 ≤ 0	0 0 00 0 30 30 1 6	IS 5182 (Part 6) IS 5182 (Part 4), 1999 IS 5182 (Part 24), 2019 Method 411, Air Sampling and Analysis, 3rd Edition, 2020 Method 401, Air Sampling and Analysis 3rd Edition, 2020	
2 3 4 5 6 7 8 9	Oxides of Nitrogen (I Particulate Matter P Particulate Matter P Ozone (O ₃) Ammonia (NH ₃) Lead (Pb) Arsenic (As) Nickel (Ni)	NO ₂) M ₁₀ M _{2.5}	21.5 45.8 23.9 9.7 4.9 BDL BDL BDL BDL	μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³ ng/m ³ ng/m ³	≤ 8 ≤ 8 ≤ 10 ≤ 6 ≤ 18 ≤ 40	0 0 00 0 30 30 1 6	IS 5182 (Part 6) IS 5182 (Part 4), 1999 IS 5182 (Part 24), 2019 Method 411, Air Sampling and Analysis, 3rd Edition, 2020 Method 401, Air Sampling and Analysis 3rd Edition, 2020 Air Sampling and Analysis, 3rd Edition, 2020	
2 3 4 5 6 7 8 9 10	Oxides of Nitrogen (1 Particulate Matter P Particulate Matter P Ozone (O ₃) Ammonia (NH ₃) Lead (Pb) Arsenic (As) Nickel (Ni) Carbon Monoxide (C	NO ₂) M ₁₀ M _{2.5}	21.5 45.8 23.9 9.7 4.9 BDL BDL BDL BDL 0.25	μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³ ηg/m ³ ng/m ³ mg/m ³	≤ 8 ≤ 8 ≤ 10 ≤ 6 ≤ 18 ≤ 40 ≤ 0 ≤ 0	0 0 00 0 30 30 1 6 6 0	IS 5182 (Part 6) IS 5182 (Part 4), 1999 IS 5182 (Part 24), 2019 Method 411, Air Sampling and Analysis, 3rd Edition, 2020 Method 401, Air Sampling and Analysis 3rd Edition, 2020 Air Sampling and Analysis, 3rd	
2 3 4 5 6 7 8 9	Oxides of Nitrogen (I Particulate Matter P Particulate Matter P Ozone (O ₃) Ammonia (NH ₃) Lead (Pb) Arsenic (As) Nickel (Ni)	NO ₂) M ₁₀ M _{2.5}	21.5 45.8 23.9 9.7 4.9 BDL BDL BDL BDL	μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³ μg/m ³ ng/m ³ ng/m ³	≤ 8 ≤ 8 ≤ 10 ≤ 6 ≤ 18 ≤ 40 ≤ 0 ≤ 0 ≤ 2	0 0 00 0 30 00 1 6 0 0 4	IS 5182 (Part 6) IS 5182 (Part 4), 1999 IS 5182 (Part 24), 2019 Method 411, Air Sampling and Analysis, 3rd Edition, 2020 Method 401, Air Sampling and Analysis 3rd Edition, 2020 Air Sampling and Analysis, 3rd Edition, 2020	

Reviewed By

alyour (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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	and the second sec	1			mbient Ai		3
Rep	ort No.	NLES/2	3-24/09/AA/RE/	/120	Report Issue [Date	21/09/2023
Name and Address of Customer		Gut No	EENAKSHI FER 350 and 361, Vil Maharashtra.			q.Daur	d,Dist.Pune-
Discipline		Chemic	al	Date & Til Sampling	me of		10:10 AM of 15/09/2023 to 6:10 f 15/09/2023 (8 hrs)
Grou	up	Atmosp	heric Pollution	Sampling	Procedure	IS 518	32 Part 5
Sub	Group	Ambier	ıt Air	Sampling	done by		l Laboratories and Environmental es Private Limited
Sam	pling Location	Furnace	e Shed	Dry bulb t	emperature	27°C	
Wet bulb temperature		21°C		Relative H	lumidity	80 %	
Sample Volume SO2:30 ml ×1 no. (Plastic Bottle), NO2:30 PM10:1×1no. (Filter Paper), PM25:1×1no.				le)			
		16/09/2	2023	End Date	of Analysis	21/09)/2023
				Results	;		2 50 (1)
Sr. No.	Parameters		Results	Unit(s)	Specificat (NAAQ Star		Methods
1	Sulphur Dioxide (SO;	2)	15.6	μg/m ³	≤ 80		IS 5182 (Part 2)
2	Oxides of Nitrogen (NO ₂)	24.8	μg/m ³	≤ 80		IS 5182 (Part 6)
3	Particulate Matter P	M ₁₀	46.9	μg/m ³	≤ 100		IS 5182 (Part 4), 1999
4	Particulate Matter P	M _{2.5}	27.2	µg/m ³	≤ 60		IS 5182 (Part 24), 2019
5	Ozone (O ₃)		9.4	µg/m³	≤ 180		Method 411, Air Sampling and Analysis, 3rd Edition, 2020
6	Ammonia (NH ₃)		6.3	µg/m³	≤ 400		Method 401, Air Sampling and Analysis 3rd Edition, 2020
7	Lead (Pb)		BDL	µg/m ³	≤ 01		Air Sampling and Analysis, 3rd
8	Arsenic (As)		BDL	ng/m ³	≤ 06		Edition, 2020
9	Nickel (Ni)		BDL	ng/m ³	≤ 20		
10	Carbon Monoxide (C		0.28	mg/m ³	≤ 04		GC FID Methanizer Method
	Benzo(a)Pyrene (BaP) (BDL	ng/m ³	≤ 1.0		IS 5182 Part 12
11	Benzo(a)Pyrene (BaP) 12 Benzene(C ₆ H ₆)						

acional Ambient Air Quality standards.

Reviewed By

alyan (Ms. Kalvani Gore) (Technical Manager)

Environmen PUNE A Nee ·p

Authorized Signatory

Abhishek Tope) (Quality Manager)

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Rep	ort No.	NLES/2	3-24/09/AA/RE/	121 F	Report Issue Date	e	21/09/2023		
Customer		M/s.N Gut No	M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214,Maharashtra.						
Discipline Che		Chemic	al	Date & Sampli	Time of ng		m 10:20 AM of 15/09/2023 to 0 PM of 15/09/2023 (8 hrs)		
Grou	qr	Atmos	pheric Pollution		ng Procedure		182 Part 5		
Sub	Group	Ambier	nt Air	Sampli	ng done by		tal Laboratories and Environmenta ices Private Limited		
Sam	pling Location	Rolling	Mill Shed	Dry bul	b temperature	26°0	2		
Wet	bulb temperature	22°C			e Humidity	84 9			
	Sample Volume SO ₂ : PM ₁		nl ×1 no. (Plastic Bo 1no. (Filter Paper),	ttle), NO ₂ : PM _{2.5} :1×1	30 ml×1 no. (Plast no. (Filter Paper)	ic Bott	le)		
		16/09/2	2023	End Da	te of Analysis	21/0	09/2023		
				Result	s	2.14			
Sr. No.	Parameters		Results	Unit(s)	Specificatio		Methods		
1	Sulphur Dioxide (SO;)	15.9	μg/m ³	≤ 80		IS 5182 (Part 2)		
2	Oxides of Nitrogen (NO ₂)	19.4	μg/m ³	≤ 80		IS 5182 (Part 6)		
3	Particulate Matter P	M ₁₀	47.8	μg/m ³			IS 5182 (Part 4), 1999		
4	Particulate Matter P	M _{2.5}	26.9	μg/m ³	≤ 60		IS 5182 (Part 24), 2019		
5	Ozone (O ₃)		9.7	μg/m ³	≤ 180		Method 411, Air Sampling and Analysis, 3rd Edition, 2020		
6	Ammonia (NH ₃)		4.1	µg/m³			Method 401, Air Sampling and Analysis 3rd Edition, 2020		
7	Lead (Pb)		BDL	µg/m ³			Air Sampling and Analysis, 3rd		
8	Arsenic (As)		BDL	ng/m ³	≤ 06		Edition, 2020		
9	Nickel (Ni)		BDL	ng/m ³					
10	Carbon Monoxide (C		0.32	mg/m ³			GC FID Methanizer Method		
10	Benzo(a)Pyrene (BaP)	BDL	ng/m ³	≤ 1.0		IS 5182 Part 12		
11	benzo(d), yrene (bar	A							

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

Reviewed By

(Ms. Kalyoni Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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		TEST REP	ORT					
Report N	lo.	NLES/23-24/09/NI/RE/122	Report Issue Date	21/09/2023				
Name and Address of Customer		M/s.MEENAKSHI FERRO INGOT PVT LTD. Gut No:350 and 361, Vill.Bhandgaon,Khor Road,Tq.Daund,Dist.Pune- 412214,Maharashtra.						
Disciplin	e	Chemical		9				
Group		Atmospheric Pollution						
Sub Grou	qr	Ambient Air						
Sample N	Name	Ambient Noise						
Date of S	ampling	15/09/2023						
Method	of Sampling	IS 9989: 1981	IS 9989: 1981					
Sampling	g Duration	24 hrs. Day & Night						
Sampling	g done by	Neetal Laboratories and Environmental Services Private Limited						
		Result	S					
Sr. No.	Location	Average N	Average Noise Level Reading dB(A)					
51. NO.	Location	Day Time	Night Time	Limits as per CPCE guidelines				
1	Main Gate	68.4	54.3	Day Time = 75 dB				
2 Admin Office		55.7	48.5	 Night Time =70 dB 				

Reviewed By (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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

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

		NI EC /22		PORT (Stack		21/09/2023	
- 14 M - 14 M - 14 M	rt No.	Contraction of the second	-24/09/ST/RE/:	Contactor and the contactor of the second	Issue Date	21/05	1/2023
	e and Address of			RO INGOT PVT			
Custo	omer		50 and 361, Vil	l.Bhandgaon,Kho	or Road, Tq.D		.Pune-412214,Maharashtra
Disci	pline	Chemical					aterial: MS
oloch I.		Pollution	& Environment.	Sample De	scription	Stack He	eight: 36 Mtr
		Stack Emi	ssion			Stack Ty	pe: Round
Date of Sampling		15/09/20	23	Sampling L	ocation	Inductio	n Furnace Stack
Sampling done by			boratories and ental Services mited	Sampling c	luration	30 Min	
Sample Quantity		Thimble 1 Solution	. Nos and 30 ml	Sampling F	Procedure	CPCB Guideline on methodologies for source emission monitoring	
Start	Date of Analysis	16/09/20	023	End Date	of Analysis	21/09/2	2023
				Results			
Sr. No.	Paramete	rs	Results	Unit(s)	Specific (MPCB C		Methods
1	Flue Gas Tempera	ature	48	°C			
2	Differential Press	ure	4.5	mm WG			
3	Velocity		8.13	M/s			
4	Total Particulate	Matter	42.6	mg/Nm3	≤ 1	50	IS 11255 (Part 1)
5	5 Sulphur Dioxide (SO ₂)		21.3	mg/Nm3	N.	S.	IS 11255 (Part 2)
6	Sulphur Dioxide (SO ₂)	1.04	Kg/day	N.	S.	IS 11255 (Part 2)
7 Oxides of Nitrogen (Nox)		22.9	mg/Nm3	N.	c	IS 11255 (Part 7)	

Reviewed By YO (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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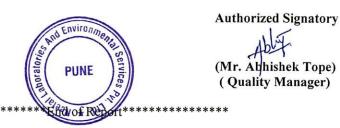


Certifications : ISO 9001 : 2015 ISO 14001 : 2015 ISO 45001 : 2018

			TEST RE	POF	RT (Stack	Emissic	on)		
Report No. NLES		NLES/23				ssue Date	21/09/2023		
Nam	e and Address of	M/s.M	EENAKSHI FEI	RRO II	NGOT PVT	LTD.			
Cust	omer	Gut No:	350 and 361, V	ill.Bha	ndgaon,Kho	r Road,Tq.D	aund,Dist	t.Pune-412214, Maharashtra.	
Disci	pline	Chemica			Sample Description		Stack Material: MS		
Grou	р	Pollution & Environment.					Stack Height: 18 Mtr		
Sub Group		Stack Em	Stack Emission		1		Stack Type: Round		
Date	of Sampling	15/09/20	09/2023		Sampling Location		Re-Heating Furnace Stack		
Sampling done by		Chiefe and the second and the second se	boratories and nental Services mited				30 Min	30 Min	
Sample Quantity		Thimble 1 Nos and 30 ml Solution			Sampling Procedure		CPCB Guideline on methodologies for source emission monitoring		
Start Date of Analysis		16/09/2	6/09/2023		End Date of Analysis 2			21/09/2023	
					Results				
Sr. No.	Paramete	rs	Results				ations onsent)	Methods	
1	Flue Gas Tempera	ature	41		°C				
2	Differential Press	ure	4.5	mm WG					
3	Velocity		9.04	M/s					
4	Total Particulate	Matter	52.5	mg/Nm3		≤ 150		IS 11255 (Part 1)	
5	Sulphur Dioxide (SO ₂)	23.8	mg/Nm3		N.S.		IS 11255 (Part 2)	
6	Sulphur Dioxide (SO ₂) 1.05			Kg/day N.S		S.	IS 11255 (Part 2)		
7	Oxides of Nitroge	n (Nox)	21.4	r	ng/Nm3 N.S		S.	IS 11255 (Part 7)	
	Remark- A	All above r	esults are well	withir	MPCB Limi	. N.S-Not Sp	pecified,	****	

Reviewed By

(Ms. Kalvani Gore) (Technical Manager)



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			TEST F	REPORT				
Report No:		NLES/23-24/09/WZ/RE/125		Report Issue Date	21/09/2023			
Name a Custom	nd Address of er	M/s.MEENAKSH Gut No:350 and 3		T PVT LTD. aon,Khor Road,Tq.Daund,	Dist.Pune-41	2214, Maharashtra		
Sample Name		Workzone Noise		Date of Sampling	Date of Sampling 15/09/20			
Sampling done by		Neetal Laboratories and Environmental Services Private Limited						
			Res	ults				
Sr. No.	Locations		dB(A)		Specifications (The Factories Act 1948, standards)			
1.	Casting Area 7		85.6	11	≤90			
2.			79.4	≤90				
			71.3					

Reviewed By Kalyani (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory (Mr. Abhishek Tope) (Quality Manager)

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			TEST	F REPORT					
Report No.		NLES/23-24	/09/W/RE/126	Report Issue Date	e	21/09/2023			
Name and Address of		M/s.MEEN	M/s.MEENAKSHI FERRO INGOT PVT LTD.						
Cust	omer				,Tq.Daund,Di	st.Pune-412214, Maharashtra.			
Disci	pline	Chemical			ollection	15/09/2023			
Grou	ip	Water		Sample Quantity		02 lit Plastic Can			
		Surface Wat	Surface Water		ure	APHA 1060			
Sam	ple Description	Matoba Lake	Matoba Lake			Sealed			
Sampling done by		Neetal Laboratories and Environmental Services Private Limited		Environmental Condition for sample storage and Analysis		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH			
Start	Date of Analysis	16/09/2023		End Date of Analysis		21/09/2023			
				Results					
Sr. No.	Parameters		Unit(s)	Results	Methods				
PHYS	SICAL PARAMETERS	2							
1	Odour		-	Agreeable	IS 3025 Pa	art-5			
2	pH at 25°C		-	7.72	APHA 4500	APHA 4500 H+ A, 23 rd Ed. 2017			
3	Turbidity		NTU	0.51	IS 3025 Pa	IS 3025 Part-10			
4	Total Dissolved Solids		mg/l	689		APHA 2540 C, 23 rd Ed. 2017			
5	Ammonical Nitrogen as N		mg/l	0.51		APHA 4500 NH3, 23 rd Ed. 2017.			
6	Calcium (as Ca)		mg/l	40.4	and the second	APHA 3500 Ca B, 23 rd Ed. 2017			
7	Chloride (as Cl)		mg/l	80.7		0 Cl ⁻ B 23 rd Ed. 2017			
8	Fluoride (as F)		mg/l	0.79	APHA 4500	D F ⁻ - D 23 rd Ed. 2017			
9	Residual Chlorine as Cl		mg/l	<0.10		rt 26 (Rev.1, RA 2014)			
10	Magnesium (as Mg)		mg/l	19.4		APHA 3500 Mg A, 23 rd Ed. 2017			
11	51		mg/l	5.29	[1] CAMPARTON CONTRACTOR CONTRACTOR	APHA 4500 NO3- B 23 rd Ed. 2017			
12	2 Sulphate (as SO ₄)		mg/l	67.8		APHA 4500 SO4 E, 23 rd Ed. 2017			
13	3 Total Alkalinity (as CaCO ₃)		mg/l	215.4		APHA 2320 B, 23 rd Ed. 2017			
14 Total Hardness (as CaCO ₃)		mg/l	362.3	APHA 2340	APHA 2340 B, 23 rd Ed. 2017				
15	15 Iron (as Fe)		mg/l	0.69	Contract of the second states in the second states	IS 3025 (Part-02)			
16	6 Colour Hazen		Hazen	1.0	IS 3025 (Part-4)				

Reviewed By

(Ms: Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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			TES	T REPORT					
Report No. NLES/		NLES/23-24	/09/W/RE/127	Report Issue Date	e	21/09/2023			
Name and Address of			M/s.MEENAKSHI FERRO INGOT PVT LTD.						
Cust	omer				,Tq.Daund,Di	st.Pune-412214,Maharashtra.			
Disci	pline	Chemical		Date of Sample Collection		15/09/2023			
Grou	ip	Water		Sample Quantity		02 lit Plastic Can			
		Ground Wa	ter	Sampling Procedure		APHA 1060			
Sam	ple Description	Bhandgaon	Village	Sample Status		Sealed			
Sampling done by		Neetal Laboratories and Environmental Services Private Limited		Environmental Condition for sample storage and Analysis		Temperature: 25 °C ±5 °C & Humidity: 30 % to 80 % RH			
		16/09/2023		End Date of Analysis		21/09/2023			
				Results					
Sr. No.	Parameters		Unit(s)	Results	Methods				
	SICAL PARAMETERS	i i							
1	Odour		-	Agreeable	IS 3025 Pa	Part-5			
2	pH at 25°C		-	6.74	APHA 4500	500 H+ A, 23 rd Ed. 2017			
3	Turbidity		NTU	0.69	IS 3025 Pa	025 Part-10			
4	Total Dissolved Solids		mg/l	510		HA 2540 C, 23 rd Ed. 2017			
5	Ammonical Nitrogen as N		mg/l	0.31	A REAL PROPERTY AND A REAL	PHA 4500 NH3, 23 rd Ed. 2017.			
6	Calcium (as Ca)		mg/l	20.7		APHA 3500 Ca B, 23 rd Ed. 2017			
7	Chloride (as Cl)		mg/l	61.3	C 452 (11) (2) (2) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) Cl ⁻ - B 23 rd Ed. 2017			
8	Fluoride (as F)		mg/l	0.38	APHA 4500	D F ⁻ - D 23 rd Ed. 2017			
9	Residual Chlorine as Cl		mg/l	<0.1		rt 26 (Rev.1, RA 2014)			
10	Magnesium (as Mg)		mg/l	24.1		APHA 3500 Mg A, 23 rd Ed. 2017			
11	Nitrate (as NO ₃)		mg/l	2.28	VEX.NO. CONTRACT DATASET OF	APHA 4500 NO3- B 23 rd Ed. 2017			
12	Sulphate (as SO ₄)		mg/l	45.6		APHA 4500 SO4 E, 23 rd Ed. 2017			
13	1,		mg/l	187.5	The second state of the second state	APHA 2320 B, 23 rd Ed. 2017			
14 Total Hardness (as CaCO ₃)		mg/l	243.6		APHA 2340 B, 23 rd Ed. 2017				
15 Iron (as Fe)		mg/l	0.49		S 3025 (Part-02)				
16	6 Colour H			1.0	IS 3025 (Pa	(Part-4)			

Reviewed By

Iau 10 (Ms. Kalyani Gore) (Technical Manager)



Authorized Signatory

(Mr. Abhishek Tope) (Quality Manager)

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