

30th May 2025

To,

The Regional Director,
Central Pollution Control Board,
4th Floor, Shankar Bhawan,
North TT Nagar,
Bhopal (M.P.)
Phone-0755-2775384.

Sub. Submission of compliance of conditions of Environmental Clearance (EC) for the period from October 2024 – March 2025.

Ref. F. No. J-11011/178/2010-IA-1I (I) Dated 23rd August, 2012
F. No. J-11011/178/2010-IA-1I (I) Dated: 07th August, 2019.

Dear Sir,

With reference to the subject cited above, we are submitting herewith compliance of conditions (alongwith annexures) mentioned in the Environmental Clearances granted to us by MOEF&CC vide above referred letter numbers for the period from **October 2024 – March 2025**.

This is for your kind information and record please.

Thanking You
Yours Faithfully

For MSP Sponge Iron Ltd.


Prashant Pandey
Director

Encl. As above

Copy to –

1. The Regional Officer, Integrated Regional Office, MoEF&CC, Aranya Bhawan, North Block, Sector 19, Atal Nagar, Naya Raipur (C.G.)
2. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryawas Bhawan, Atal Nagar, Naya Raipur (C.G.)
3. The Regional Officer, Chhattisgarh Environment Conservation Board, Raigarh (C.G.)

**M/S. MSP SPONGE IRON LTD,
 MANUWAPALI, RAIGARH, CG.**

COMPLIANCE OF CONDITIONS OF ENVIRONMENTAL CLEARANCE GRANTED BY MOEF, NEW DELHI
 VIDE F. No. J-11011/178/2010-IA-1I (I) Government of India Dated: 23rd August, 2012.

A. SPECIFIC CONDITIONS		Compliance status																								
I	No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.	<ul style="list-style-type: none"> - Complied - Noted the point 																								
II	Continuous monitoring facilities for all the stacks and air pollution control equipment viz. fume extraction system with bag filters. ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm ³ ESP shall be installed to control the particulate emission from the captive power plant	UNIT WISE INSTALLATION STATUS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Capacity</th><th>ESP</th><th>BAG FILTER</th><th>VENT FILTER</th><th>DRY FOG</th></tr> </thead> <tbody> <tr> <td>12 MW</td><td>1 no. ESP(3 Field)</td><td>1 no. Bag house</td><td>1 no Vent Filter</td><td>Installed Water spray system</td></tr> <tr> <td>2 X 7.5 MVA</td><td>-</td><td>2 nos Bag Filter</td><td></td><td>Water spraying system in Ground hopper</td></tr> <tr> <td>9.0 MVA</td><td>-</td><td>1 no. Bag Filter</td><td></td><td></td></tr> </tbody> </table> <ul style="list-style-type: none"> - Online stack emission monitoring systems in all stacks & AAQMS are Installed and connected with the server of CECB/CPCB. - http://cecb.swanenviron.com (CEMS) - User Id: MSP_CECB - Password: Msp@1234 - URL-https://onlinedata.swanenviron.com (CEMS) - User Id: MSIL - Password: MSIL@789 <p>https://cecb.vasthiconnect.com/user/login.php?id=ODU1 (AAQMS)</p>					Capacity	ESP	BAG FILTER	VENT FILTER	DRY FOG	12 MW	1 no. ESP(3 Field)	1 no. Bag house	1 no Vent Filter	Installed Water spray system	2 X 7.5 MVA	-	2 nos Bag Filter		Water spraying system in Ground hopper	9.0 MVA	-	1 no. Bag Filter		
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		<ul style="list-style-type: none"> - Stack of adequate height and bag filters are installed to control the emission below 50 mg/Nm3. - ESP is installed with stack of captive power plant.
III	The National Ambient Air Quality (AAQ) Standards issued by the Ministry Vide G S R NO 826(E) dated 16th November, 2009 shall be followed.	<p>- Complied</p> <p>Ambient Air Quality is maintained and satisfying the National ambient air quality norms. AAQMS is installed and connected with the server of CECB/CPCB.</p> <ul style="list-style-type: none"> - Regular monitoring of PM 10, 2.5 is carried out in all four direction of unit. Annex-I (In-house and third party test report)
IV	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored guidelines/ Code of Practice issued by the CPCB shall follow.	<p>- Complied</p> <p>Measures for control of fugitive emission adopted are :</p> <ul style="list-style-type: none"> - water spray system at ground hopper of raw material feeding - Bag-filter connected to the CHP of power plant. - Bag-filters connected to stacks of submerged electric arc Furnace. - Emissions are monitored and well within prescribed norms. - Unit ensures implementation of proper preventive maintenance schedule for effective operation of devices. <p>Annex-II (Fugitive emission monitoring report)</p>
V	Regular Monitoring of In fluent and effluent surface, sub-surface and ground water shall be ensured and treated waste water shall meet the norms prescribed by the State Pollution Control Board or described under the EP Act whichever are more stringent, Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhopal	<p>- Complied</p> <ul style="list-style-type: none"> - Periodical testing of water is carried out and parameters are well within prescribed norms. - Unit operates and maintains zero effluent discharge condition and waste water collected is safe for re-use for plantation, dust suppression purpose.

	SPCB and CPCB .	Annex-III (Water test report and re-cycle water test report)
VI	The total water requirement shall not exceed 1,350 m'/day 'Zero effluent discharge <i>shall</i> be strictly followed and no waste water should be discharged outside premises.	<ul style="list-style-type: none"> - Complied - Make -up water requirement does not exceed the Approved Quantum. - Waste water from RO DM plant is neutralized & re used for dust suppression and green belt development. - Domestic effluent is treated in septic tank by soak pit within factory premises. - Zero discharge of water outside of premises is maintained.
VII	Efforts shall be made to make use of rain water harvested If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement Only balance water requirement should be met from other sources	<ul style="list-style-type: none"> - Complied <p>- The unit has adopted rain water harvesting system with provision for collection of roof water & runoff water to recharge of ground water level and for use in plant as well.</p> <p>Annex- IV (Photo of Rain water pits)</p>

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VIII	Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silica Manganese (Si-Mn) All the other ferro alloy slag shall be used in the preparation of building materials.	<ul style="list-style-type: none"> - Complied - Slag generated in course of production are granulated and utilized for the road construction purpose. - Solid waste also analyzed for toxic metal composition, no abnormalities found. <p>Annex-V (Solid waste metal analysis report)</p>
IX	No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.	<ul style="list-style-type: none"> - Complied - The unit has obtained approval for the manufacturing of Ferro chrome on 07. Aug. 2019 but no Ferro chrome manufactured so far.
X	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhopal SPCS and CPCB within 3 months of issue of environment clearance letter	<ul style="list-style-type: none"> - Complied <p>On-site Emergency management plan prepared and necessary approval is obtained from Directorate of Industrial Health and Safety, Govt. of C.G.</p>
XI	All the commitments made to the public during the Public Hearing /public Consultation meeting held on 16 th December, 2011 should be satisfactorily Implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhopal.	<ul style="list-style-type: none"> - Complied <p>Following Community development activities are carried out under the advice/ guidance of District administration, Raigarh.</p> <ul style="list-style-type: none"> - Periodical Health care camps in surrounding villages. - Education by providing Teachers to some schools nearby. - Free Ambulance service for villagers. - Drinking water supply during summer. - Village Pond development/ renovation.

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XII	<p>As proposed, green belt should be developed in at least 33 % of the project area</p> <p>Selection of plant species shall be as per the CPCB guideline in consultation with the DFO</p>	<ul style="list-style-type: none"> - Complied - The unit has completed 33% of green belt development as per CPCB guideline. - In every rainy season plantation work is done in surrounding villages too.
XII I	<p>At least 5 % of the total cost of the project should be earmarked towards Enterprise Social Commitment based on Public Hearing issues and Item-Wise details along with time bound action plan should be prepared and submitted to the ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.</p>	<ul style="list-style-type: none"> - Complied Various Community development works are carried out under the guidance/ advice of District administration, Raigarh. - Periodical Health care camps in surrounding villages. - Education by providing Teachers to some schools nearby. - Free Ambulance service for villagers. - Drinking water supply during summer. - Village Pond development/ renovation.
XIV	<p>Provision shall be made for the housing of construction labour within the Site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care crèche etc,. The housing may be in the form of temporary structures to be removed after the completion of the project.</p>	<ul style="list-style-type: none"> - Complied - At project stage temporary housing facility with all amenities are provided to construction workers and removed after completion of project. - During operation housing facilities are provided to eligible employee in separate premises.

B. GENERAL CONDITIONS		
I	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the state Government	<ul style="list-style-type: none"> - The unit strictly follows the stipulations made by the CECB and the State Government. - CTE/CTO is obtained or renewed on satisfactory compliance of all such conditions.
II	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	Noted and shall continue to follow the same.
III	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM10, SO ₂ and NO _x are anticipated in consultation with the CECB Including one ambient air quality monitoring station in the downwind direction Data on ambient air quality and stack emission should be regularly submitted to this Ministry Including its Regional Office at Bhopal and the CECB/ CPCB once in Six month	<p>Online CEMS is already installed & it is connected with CPCB/SPCB server.</p> <p>The website, URL, username and password for the same are as under-</p> <ul style="list-style-type: none"> - https://cecb.azurewebsites.net/ (AAQMS) - User Id : mspsponge - Password: mspsponge@2019 <p>https://cecb.vasthiconnect.com/user/login.php?id=ODU1 (AAQMS)</p> <p>Regular monitoring of PM 10, 2.5 is carried out in all four direction of unit.</p> <p>Annex-I (In-house and third party test report)</p>
IV	Industrial waste water shall be properly collected. treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31st December, 1993 or as amended form time to time, The treated waste	<ul style="list-style-type: none"> - Complied - Industrial waste water such as boiler blow down water is treated in ETP reused in factory premises for

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	water shall be utilized for plantation purpose.	functioning of water sprinkler beside internal road and in plantation area. – RO rejected water neutralized and then re-used in road spraying & plantation area
V	The overall noise levels in and around the plant area shall be kept well the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)	– Complied Noise control mechanisms/ systems are adopted in working zone to keep the noise level within permissible level. Test reports are enclosed. Annex-VI (Noise monitoring report)
VI	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	– Complied – Industry has well equipped Occupational Health Centre in the factory premises where health checkup of employees are done periodically and necessary records are maintained. – Health checkup report submitted at the office of Industrial Health & Safety, Raigarh periodically.
VII	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	– Complied The unit has adopted rain water harvesting techniques with provision for collection of roof water & runoff water for

		re-use and recharge of ground water level as well. Annex- IV (Photo of Rain water pits)
VIII	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further the company must undertake social-economic development activities in the surrounding villages like community development programmes educational programmes, drinking water supply and health care etc.	<ul style="list-style-type: none"> - Complied <p>Following Community development activities are carried out under the advice /guidance of District administration, Raigarh.</p> <ul style="list-style-type: none"> - Periodical Health care camps in surrounding villages. - Education by providing Teachers to some schools nearby. - Free Ambulance service for villagers. - Drinking water supply during summer. - Village Pond development/ renovation.
IX	Requisite amount shall be earmarked towards the capital cost and recurring cost/annum for environmental protection measures and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government. The funds so provided shall not be diverted for any other purpose	<ul style="list-style-type: none"> - Complied <p>Pollution Control equipments / devices are installed and maintained/ reconditioned by the in-house Environment Management Cell of the unit. Adequate funds are made available by the management for the purpose.</p>
X	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation Urban Local Body and the Local NGO, if any, from whom suggestions/ Representations, if any, were received while processing the proposal. The clearance letter shall also be	<ul style="list-style-type: none"> - Complied <p>Copy of clearance letter was sent to concern Local Bodies.</p>

	put on the web site of the company by the proponent.	
XI	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their web Site and shall update the same periodically. It shall Simultaneously be sent to the regional Office Of the MOEF the respective Zonal Office of CPCB and the CECB. The criteria pollutant levels namely, PM10, SO . NOx (ambient level as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<p>Online CEMS is already installed & it is connected with CPCB/SPCB server.</p> <p>The website, URL, user-name and password for the same are as under-</p> <ul style="list-style-type: none"> - https://cecb.azurewebsites.net/ (AAQMS) - User Id : mspsponge - Password: mspsponge@2019 - https://cecb.vasthiconnect.com/user/login.php?id=ODU1 (AAQMS) <p>Regular monitoring of PM 10, 2.5 is carried out in all four direction of unit.</p> <p>Annex-I (In-house and third party test report)</p>
XII	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as bye-mail) to the regional office of MoEF at Bhopal, the respective Zonal Office of CPCB and the SPCB the Regional Office of this Ministry at Bhopal /CPCB/ CECB shall monitor the stipulated conditions.	<p>Last Six month monitoring data for Stack Air, Ambient air, fugitive emission, drinking water and used oil attached as herewith for record and perusal.</p> <p>Annexure - I, (Ambient Air monitoring Report)</p> <p>Annex - II, (fugitive Air Monitoring Report)</p> <p>Annex- VII (Stack Monitoring report)</p>

		Annex- VIII (Used Oil test report)
XIII	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) rules 1986, as amended subsequently. shall also be put on the web Site of the company along with the status of compliance of environmental conditions and Shall also be sent to the respective Regional Offices of the MOEF by email	<p>- Complied</p> <p>Environmental statement is submitted to the office of Regional Officer, CECB, CG State.</p>
XIV	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies at the clearance letter are available with the CECB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in This shall be advertised within seven days from the date of issue of the clearance letter, at least ITI two local newspapers that are widely circulated in the region of which one shall be In the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office at Bhopal.	<p>- Complied</p> <p>Publication as required were made for wide circulation in two local newspapers for information of all concerned regarding Environmental Clearance issued by the Ministry since 2012 and copies of the clearance letter are made available with the CECB and may also be seen at Website of the Ministry of Environment and Forests.</p>
XV	Project authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work	<p>- Complied</p> <p>Concerned Regional Authority was made aware the financial closure in due course of time.</p>

9	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted the point.
10	The Ministry reserves the right to stipulate additional conditions if found necessary The Company In a time bound manner shall implement these conditions	Noted the point.
11	The above conditions shall be enforced. inter-alia under the provisions of the water (Prevention & Control of Pollution) Act. 1974, the Air (Prevention & Control at Pollution) Act. 1981 the Environment (Protection) Act 1986 Hazardous Wastes (Management. Handling storage Tran boundary Movement) Rules. 2008 and the Public (Insurance) Liability, Act. 1991 along With their amendments and rules.	Noted the point.

**COMPLIANCE OF ADDITIONAL CONDITIONS OF ENVIRONMENTAL CLEARANCE GRANTED BY MOEF, NEW DELHI
VIDE F. No. J-11011/178/2010-IA-1I (I) Government of India, Dated: 07th August, 2019.**

ADDITIONAL CONDITIONS		Compliance status
i	ZLD would be maintained.	- Complied. - Waste water generated from DM plant, neutralize and reused for dust suppression. Boiler blow down water collected in Pond and reused in sprinklers.
ii	Particulate emission from the stacks shall be less than 30 mg/Nm3	- Noted. The unit will provide suitable arrangement to maintain prescribed limit when production of Fe-Cr will be taken.

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MSP Sponge Iron Ltd, Raigarh

iii	All bag filters shall be fitted with fiber glass filters to maintain above emission norms.	- Noted. The unit will provide suitable arrangement to maintain prescribed limit when production of Fe-Cr will be taken.
iv	Water sprinkler shall be provided around the slag storage yard of jigging plant to contain fugitive emissions.	- Water sprinkler system is provided at storage area and Ground hopper of the plant.
v	No. ground water shall be abstracted.	- Complied. The unit has permission to used surface water (01MCM) from the KURNALA river. Annex- IX (Permission of water with drawl)
vi	Industrial vacuum cleaners' shall be used to control the road dust within the plant and its vicinity.	- Complied. The unit had provided water sprinkler system and provision of regular sweeping to control dust emission.
Vii	All other terms and conditions mentioned in the earlier environmental clearance accorded vide letter no. J-11011/78/178/2010-IA(I) dated 23.08.2012 shall remain unchanged.	- Noted and followed

Annex-I

MSP Sponge iron Limited						
Ambient air monitoring (PM10) Report for the period of OCT. -24 to MAR.-25						
LOCATION	OCT-24	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25
Near Ferro Time Office	43	44	48	50	52	54
MSP Sponge gate	38	40	44	40	44	48
Near FAD Colony	42	46	41	46	45	47
Near FAD Office	44	45	48	44	46	44

Remarks:- PM10 Limit 100 ($\mu\text{g}/\text{m}^3$) As per CPCB Standards, Make :- USIC, Model No:- AQS 109,
Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION,ALIGARH

MSP Sponge iron Limited						
Ambient air monitoring (PM 2.5) Report for the period of OCT. -24 to MAR.-25						
LOCATION	OCT-24	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25
Near Ferro Time Office	28	30	34	34	36	34
MSP Sponge gate	25	26	28	30	33	36
Near FAD Colony	27	24	29	28	27	33
Near FAD Office	25	31	32	36	38	39

Remarks:- PM10 Limit 2.5 ($\mu\text{g}/\text{m}^3$) As per CPCB Standards, Make :- USIC, Model No:- AQS 109,
Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION,ALIGARH

Third party ambient air monitoring Report Annex-I



**EUROFINE ENVIRO
LAB PVT. LTD.**

Office Address : Gate No.1414, Near Ranjangaon Bus Stop
 Ranjangaon, Tal. Shirur, Dist. Pune -412209
 eurofinelab@gmail.com 9922474646 / 9637345858

Name and Address of Customer M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post - Jamgaon District- Raigarh, Chhattisgarh - 496001	Customer Ref No RD245-00006 Report No FEEL/PRO/2025/03/174 Lab ref No FEEL/PRO/2025/03/174 Date of sampling 19.03.2025 Date of receipt 21.03.2025 Date of report 27.03.2025
Date of analysis	From : 22.03.2025 To : 23.03.2025
Sample details	Ambient Air Quality Monitoring
Monitoring /Sample Name	Ambient air
Sampling Location	As mentioned below
Sample collected by	Representatives
Sample Quantity / Packing	GMF Filter Paper (8 x 10 inch) 1 x 1 No Each Sample, SO2 & NO2 absorbance in PVC Bottle

Test Method & NAAQM Standard for ambient air quality monitoring				
Parameter	Method reference		NAAQM Standard	
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (P-23): 2006 & CPCB Guideline Vol. -1			100 µg/m ³
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (P-24): 2019 & CPCB Guideline Vol. -1			60 µg/m ³
Sulphur Dioxide (SO ₂)	IS 5182 (P-2): 2001 RA 2006 & CPCB Guideline Vol. -1			80 µg/m ³
Nitrogen Dioxide (NO ₂)	IS 5182 (P-6): 2006 & CPCB Guideline Vol. -1			80 µg/m ³
Carbon Monoxide (CO)	IS 5182 (P-10): 1999 & RA 2003			4.0 mg/m ³

TEST REPORT					
Sampling Location	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO
	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³
Near Ferro Time Office	69.4	44.3	21.6	13.4	BDL
Near Ferro Alloys Office	74.6	41.2	22.4	14.0	BDL
Near FAD Colony	66.2	38.8	20.8	12.3	BDL
Near MSP Sponge gate	78.1	46.4	28.4	12.6	BDL

Remarks: BDL: - Below detection limit, Handy CO monitor used, the detection limit is 1 ppm

Terms & Conditions:

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 10 days after issue the test report unless otherwise agreed with customer.
- The above test report is as per customer requirement.



Authorized Signatory
 Mr. Mahesh Shelar
 (Managing Director)

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India

Registered Address : Flat No. A-5, Balaji Place, Kharadi Road, Chandan Nagar, Tal. Haveli, Dist. Pune - 411014

Certifications : ISO 9001 : 2015
 • ISO 14001 : 2015 • ISO 48001 : 2018

Annex-II

MSP SPONGE IRON LIMITED								
SL	Division	Location	Results in $\mu\text{g}/\text{m}^3$ (Limit is 2000 $\mu\text{g}/\text{m}^3$)					
			OCT-24	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25
1	FAD	Daybin	1214	1236	1238	1259	1351	1372
		Furnace-1	1470	1485	1489	1591	1587	1548
		Furnace-2	1574	1571	1632	1489	1448	1632
		Furnace-3	1638	1654	1589	1575	1645	1688
2	12 MW CPP	NEAR CHP	1541	1650	1587	1657	1671	1687
		SILO	1436	1489	1505	1854	1589	1497
		BOILER	1236	1354	1356	1554	1636	1639
Remarks:- SPM Limit is 2000 ($\mu\text{g}/\text{m}^3$) As per CPCB Standards, Make :- USIC Model No:- AQS-136BL Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION, ALIGARH								

Third party fugitive air monitoring report



**EUROFINE ENVIRO
LAB PVT. LTD.**

Office Address : Gate No.1414, Near Ranjangaon Bus Stop
Ranjangaon, Tal. Shirur, Dist. Pune -412209
✉ eurofinelab@gmail.com ☎ 9922474646 / 9637345858

Name and Address of Customer M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post - Jamgaon District- Raigarh, Chhattisgarh - 496001	Customer Ref No	RD245-00006
Report No	FEEL/PRO/2025/03/175	
Lab ref No	FEEL/PRO/2025/03/175	
Date of sampling	19.03.2025	
Date of receipt	21.03.2025	
Date of report	27.03.2025	
Date of analysis	From : 23.03.2025	To :23.03.2025
Sample details	Fugitive Emission	
Sampling duration	6-8 Hrs	
Sampling Location	At work zone area	
Sample collected by	Representatives	
Sample Quantity / Packing	GMF Filter Paper (8 x 10 inch) 1 x1 No Each Sample	

TEST REPORT

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per MoEF&CC Notification	Method Ref.
Sponge Boiler area	µg/m3	1160	2000	EPA Method
Sponge Silo area	µg/m3	1427	2000	EPA Method
Ferro Daybin area	µg/m3	1254	2000	EPA Method
FAD Furnace area	µg/m3	1365	2000	EPA Method

Remarks: N.D. : - Not Detected

Terms & Conditions:

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 10 days after issue the test report unless otherwise agreed with customer.
- The above test report is as per customer requirement.



Authorized Signatory
Mr. Mahesh Shelar
(Managing Director)

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Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India

Registered Address : Flat No. A-5, Balaji Place, Kharadi Road,
Chandan Nagar, Tal. Haveli, Dist. Pune - 411014

Certifications : ISO 9001 : 2015
• ISO 14001 : 2015 • ISO 48001 : 2018

RECYCLED WATER TEST REPORT

Annex-III

EC Compliance Report: Oct - 24 to Mar- 25
MSP Sponge Iron Ltd, Raigarh



EUROFINE ENVIRO LAB PVT. LTD.

- **Office Address:** Gate No.1414, Near Ranjangaon Bus Stop, Ranjangaon,Tal. Shirur, Dist. Pune - 412209.
- **eurofinelab@gmail.com** ● **9922474646 / 9637345891**

TEST REPORT					
Report No:		FEEL/PRO/2024/10/1125	Issue Date	26.10.2024	
Name and Address of Customer		M/s MSP SPONGE IRON LIMITED, Village – Manuapali Post. -Jamgaon, District- Raigarh, Chhattisgarh - 496001			
Sample Name		Effluent Water	Customer Ref. No.	RD245-00006	
Date of Sampling		21.10.2024	Start Date of Analysis	23.10.2024	
Sample Description		Sponge ETP Outlet	End Date of Analysis	25.10.2024	
Sampling done by		Representative	Sample Quantity	1 L	
Test Report					
Sr. No.	Parameters	Results	Unit(s)	Limits	Test of Method
1	pH value at 25 °C	7.29	--	5.5 to 9.0	IS 3025 (Part -11)
2	Total Suspended Solids TSS	52	mg/L	100	IS 3025 (Part - 17)
3	Total Dissolved Solids TDS	515	mg/L	2100	IS 3025 (Part - 16)
4	Chemical Oxygen Demand COD	48	mg/L	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand BOD at 27°C for 3 days	12	mg/L	30	IS 3025 (Part 44)
6	Oil & Grease	N.D.	mg/L	10	IS 3025 (Part - 39)

Note: mg/L: milligram per liter.

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A circular logo for Eurofine Enviro Lab Pvt. Ltd. The outer ring contains the text "Eurofine Enviro Lab Pvt. Ltd." in a stylized font. The inner circle contains the text "Enviro Lab" and "Pvt. Ltd." at the bottom, and "Eurofine" at the top.

**Authorized Signatory
Mr. Mahesh Shelar
(Managing Director)**

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EUROFINE ENVIRO LAB PVT. LTD.

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- **eurofinelab@gmail.com** ● 9922474646 / 963734585

TEST REPORT					
Report No:	FEEL/PRO/2024/11/1181	Issue Date	28.11.2024		
Name and Address of Customer	M/s MSP SPONGE IRON LIMITED, Village – Manuapali Post. – Jamgaon, District- Raigarh, Chhattisgarh - 496001				
Sample Name	Effluent Water	Customer Ref. No.	RD245-00006		
Date of Sampling	23.11.2024	Start Date of Analysis	25.11.2024		
Sample Description	Sponge ETP Outlet	End Date of Analysis	27.11.2024		
Sampling done by	Representative	Sample Quantity	1 L		
Test Report					
Sr. No.	Parameters	Results	Unit(s)	Limits	Test of Method
1	pH value at 25 °C	7.43	--	5.5 to 9.0	IS 3025 (Part -11)
2	Total Suspended Solids TSS	58	mg/L	100	IS 3025 (Part - 17)
3	Total Dissolved Solids TDS	495	mg/L	2100	IS 3025 (Part - 16)
4	Chemical Oxygen Demand COD	36	mg/L	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand BOD at 27°C for 3 days	10	mg/L	30	IS 3025 (Part 44)
6	Oil & Grease	N.D.	mg/L	10	IS 3025 (Part - 39)

Note: mg/L: milligram per liter.

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EC Compliance Report: Oct - 24 to Mar- 25
MSP Sponge Iron Ltd, Raigarh



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TEST REPORT					
Report No:	FEEL/PRO/2024/12/1191	Issue Date	30.12.2024		
Name and Address of Customer	M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post. - Jamgaon, District- Raigarh, Chhattisgarh - 496001				
Sample Name	Effluent Water	Customer Ref. No.	RD245-00006		
Date of Sampling	23.12.2024	Start Date of Analysis	26.12.2024		
Sample Description	Sponge ETP Outlet	End Date of Analysis	28.12.2024		
Sampling done by	Representative	Sample Quantity	1 L		
Test Report					
Sr. No.	Parameters	Results	Unit(s)	Limits	Test of Method
1	pH value at 25 °C	7.61	--	5.5 to 9.0	IS 3025 (Part -11)
2	Total Suspended Solids TSS	46	mg/L	100	IS 3025 (Part - 17)
3	Total Dissolved Solids TDS	524	mg/L	2100	IS 3025 (Part - 16)
4	Chemical Oxygen Demand COD	44	mg/L	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand BOD at 27°C for 3 days	12	mg/L	30	IS 3025 (Part 44)
6	Oil & Grease	N.D.	mg/L	10	IS 3025 (Part - 39)

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TEST REPORT					
Report No:	FEEL/PRO/2025/01/00116	Issue Date	22.01.2025		
Name and Address of Customer	M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post. - Jamgaon, District- Raigarh, Chhattisgarh - 496001				
Sample Name	Effluent Water	Customer Ref. No.	RD245-00006		
Date of Sampling	14.01.2025	Start Date of Analysis	20.01.2025		
Sample Description	Sponge ETP Outlet	End Date of Analysis	22.01.2025		
Sampling done by	Representative	Sample Quantity	1 L		
Test Report					
Sr. No.	Parameters	Results	Unit(s)	Limits	Test of Method
1	pH value at 25 °C	7.22	--	5.5 to 9.0	IS 3025 (Part -11)
2	Total Suspended Solids TSS	48	mg/L	100	IS 3025 (Part - 17)
3	Total Dissolved Solids TDS	490	mg/L	2100	IS 3025 (Part - 16)
4	Chemical Oxygen Demand COD	46	mg/L	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand BOD at 27°C for 3 days	10	mg/L	30	IS 3025 (Part 44)
6	Oil & Grease	N.D.	mg/L	10	IS 3025 (Part - 39)

Note: mg/L: milligram per liter.

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EC Compliance Report: Oct - 24 to Mar- 25
MSP Sponge Iron Ltd, Raigarh



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TEST REPORT				
Report No:	FEEL/PRO/2025/02/01446	Issue Date	23.02.2025	
Name and Address of Customer	M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post. -Jamgaon, District- Raigarh, Chhattisgarh - 496001			
Sample Name	Effluent Water	Customer Ref. No.	RD245-00006	
Date of Sampling	15.02.2025	Start Date of Analysis	18.02.2025	
Sample Description	Sponge ETP Outlet	End Date of Analysis	21.02.2025	
Sampling done by	Representative	Sample Quantity	1 L	
Test Report				
Sr. No.	Parameters	Results	Unit(s)	Limits
1	pH value at 25 °C	7.45	--	5.5 to 9.0
2	Total Suspended Solids TSS	54	mg/L	100
3	Total Dissolved Solids TDS	504	mg/L	2100
4	Chemical Oxygen Demand COD	38	mg/L	250
5	Biochemical Oxygen Demand BOD at 27°C for 3 days	7	mg/L	30
6	Oil & Grease	N.D.	mg/L	10
IS 3025 (Part - 11)				
IS 3025 (Part - 17)				
IS 3025 (Part - 16)				
IS 3025 (Part 58)				
IS 3025 (Part 44)				
IS 3025 (Part - 39)				

Note: mg/l: milligram per liter.

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TEST REPORT					
Report No:	FEEL/PRO/2025/02/01499	Issue Date	23.03.2025		
Name and Address of Customer	M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post. -Jamgaon, District- Raigarh, Chhattisgarh - 496001				
Sample Name	Effluent Water	Customer Ref. No.	RD245-00006		
Date of Sampling	15.03.2025	Start Date of Analysis	18.03.2025		
Sample Description	Sponge ETP Outlet	End Date of Analysis	21.03.2025		
Sampling done by	Representative	Sample Quantity	1 L		
Test Report					
Sr. No.	Parameters	Results	Unit(s)	Limits	Test of Method
1	pH value at 25 °C	7.64	--	5.5 to 9.0	IS 3025 (Part -11)
2	Total Suspended Solids TSS	50	mg/L	100	IS 3025 (Part - 17)
3	Total Dissolved Solids TDS	480	mg/L	2100	IS 3025 (Part - 16)
4	Chemical Oxygen Demand COD	42	mg/L	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand BOD at 27°C for 3 days	8	mg/L	30	IS 3025 (Part 44)
6	Oil & Grease	N.D.	mg/L	10	IS 3025 (Part - 39)

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Annex-IV

RAIN WATER HARVESTING PIT



SOLID WASTE ANALYSIS REPORT

Annex-V



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TEST REPORT			
Report No:	EFEL/PRO/2025/03/179	Issue Date	27.03.2025
Name and Address of Customer	MSP SPONGE IRON LIMITED Village – Mauwapali, Post – Jamgaon, DIST – Raigarh, 496001 (CHATTISGARH)		
Sample Type	Solid waste	Sample Description	Fly ash & Ferro Slag
Date of Sampling	19.03.2025	Quantity Received	1 KG each
Start Date of Analysis	22.03.2025	End Date of Analysis	24.03.2025
Sampling Location	CPP-2	Sampling Procedure	As per guideline

Result						
Sr. No.	Parameters	Unit	Method of Test	Limit	CPP- 12 MW Fly ash	Ferro Slag
1	Arsenic (as As)	Mg/kg	EPA Method - 1311	5.0	ND	ND
2	Cadmium (as Cr)	Mg/kg	EPA Method - 1311	1.0	0.13	0.11
3	Lead (Pb)	Mg/kg	EPA Method - 1311	5.0	2.65	2.82
4	Cobalt (Co)	Mg/kg	EPA Method - 1311	80.0	ND	ND
5	Mercury (Hg)	Mg/kg	EPA Method - 1311	0.2	ND	ND
6	Nickel (Ni)	Mg/kg	EPA Method - 1311	20.0	0.24	0.24
7	Chromium (Cr)	Mg/kg	EPA Method - 1311	5.0	1.76	3.39
8	Zinc (Zn)	Mg/kg	EPA Method - 1311	250.0	18.5	0.10
9	Copper (Cu)	Mg/kg	EPA Method - 1311	25.0	1.60	7.25

Remark-

➤ All above results are within the standards.
 BDL – Below Detectable Limit.



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Annex-VI

LOCATION	OCT-24		NOV-24		DEC-24		JAN-25		FEB-25		MAR-25	
	Day Time Norms- Max. 75 dB(A)	Night time Norms- Max. 70 dB(A)	Day Time Norms- Max. 75 dB(A)	Night time Norms- Max. 70 dB(A)	Day Time Norms- Max. 75 dB(A)	Night time Norms- Max. 70 dB(A)	Day Time Norms- Max. 75 dB(A)	Night time Norms- Max. 70 dB(A)	Day Time Norms- Max. 75 dB(A)	Night time Norms- Max. 70 dB(A)	Day Time Norms- Max. 75 dB(A)	Night time Norms- Max. 70 dB(A)
Near FAD Time Office	65.2	58.4	66.2	59.8	64.2	57.1	62.8	58.1	62.7	59.8	63.1	59.3
Near Substation	62.5	57.1	63.4	58.1	61.5	56.8	64.2	57.2	64.3	58.4	63.5	59.8
Near MSP Sponge gate	62.6	57.2	63.2	58.4	61.7	57.3	62.8	58.2	59.7	55.8	61.3	55.9
Near Office	65.7	60.4	66.2	59.8	64.6	60.3	64.8	52.2	63.8	59.6	63.1	59.3

Remarks:- As per CPCB Standards Day Time Norms-Max. 75 dB(A) & Night time Norms-Max. 70 dB(A)
 Calibrated by M/S Universal Scientific Equipment and services ,Aligarh,

Third Party Ambient Air Noise Monitoring



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Ambient Noise Monitoring Report

Name and address of the Industry operation or process.	:	M/s MSP SPONGE IRON LIMITED, Village - Manupali, Post - Jamgaon District- Raigarh, Chhattisgarh - 496001
Establishment of the plant/units	:	Integrated Steel Plant
Submission of Ambient Air Noise Level monitoring report	:	Month of March , 2025
Date of Monitoring	:	27.03.2025

AMBIENT NOISE RESULT

S. No.	Location	Results in dB(A)	
		Min.	Max.
DAY			
1	Near Ferro Time Office	65	67
2	Near Ferro Alloys Office	64	66
3	Near FAD Colony	63	65
4	Near MSP Sponge gate	60	62
NIGHT			
5	Near Ferro Time Office	60	62
6	Near Ferro Alloys Office	58	61
7	Near FAD Colony	58	60
8	Near MSP Sponge gate	55	58
Standards dB(A)			
DAY		NIGHT	
75		70	



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MSP Sponge Iron Limited						
Work Zone noise monitoring Report for the period of OCT-24 to MAR.-25						
LOCATION / Division -FAD	OCT-24	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25
Office	66.3	64.3	64.3	60.7	62.3	64.2
Store	64.4	63.7	62.9	60.4	61.8	63.7
Furnace floor	82.7	83.0	82.7	82.5	82.6	83.0
Transformer	76.3	76.1	76.3	76.3	77.7	78.7
Tapping	79.2	78.9	78.8	78.3	78.6	80.1
Skip floor	80.8	80.4	79.6	79.8	80.4	82.7
Batching	83.3	78.5	83.5	83.4	83.7	82.8
Metal yard	78.4	71.7	78.3	77.7	77.5	76.3
Electrical MCC room	72.2	83.4	71.7	71.5	71.8	78.7
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Calibrated by M/S Universal Scientific Equipment and services, Aligarh,						

MSP Sponge Iron Limited						
Work Zone noise monitoring Report for the period of OCT-24 to MAR.-25						
LOCATION / Division – 12 MW	OCT-24	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25
Boiler	79.7	78.8	79.1	79.6	80.3	79.8
Cooling tower	83.4	83.3	83.4	84.1	83.7	83.5
Office	69.6	70.7	68.8	68.9	69.9	69.6
CHP	80.0	80.4	80.7	80.4	80.7	80.6
Turbine	83.7	83.6	83.5	83.2	83.5	83.3
Ground floor	82.4	82.3	82.1	82.2	82.2	82.4
MCC room	79.4	79.7	79.5	79.6	79.7	79.6
Compressor room	84.5	83.4	83.6	84.4	83.4	83.5
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Calibrated by M/S Universal Scientific Equipment and services, Aligarh,						

Annex- VII

Stack monitoring Report for the period of OCT -24 to MAR -25							
Stack Name	Stack Attached with	OCT-24	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25
Stack -1	12 MW CPP	37	31	41	37	46	48
Stack -2	7.5 MVA (FERRO)	32	34	33	30	33	32
Stack -3	7.5 MVA (FERRO)	29	32	34	32	30	28
Stack -4	9.0 MVA (FERRO)	33	31	32	31	34	33

Remarks:- PM Limit is 50 MG/Nm3 As per CPCB Standards, Make :- Vyobdhan Model No:-VSS 1,
Calibrated by Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION,ALIGARH

EC Compliance Report: Oct - 24 to Mar- 25
MSP Sponge Iron Ltd, Raigarh

Third party Stack Monitoring Report

EC Compliance Report: Oct - 24 to Mar- 25
MSP Sponge Iron Ltd, Raigarh



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Name and Address of Customer	Customer Ref No	RD245-00006
M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post. - Jamgaon, District- Raigarh, Chhattisgarh - 496001	Report No	FEEL/PRO/2025/03/170
	Lab ref No	FEEL/PRO/2025/03/170
Date of sampling	19.03.2025	
Date of receipt	21.03.2025	
Date of report	27.03.2025	
Date of analysis	From : 23.03.2025	To : 23.03.2025
Sample details	Source Emission	
Monitoring / Sample Name	Stack Emission Monitoring	
Sampling Location	FAD Stack # 01	
Sample collected by	Representatives	
Sample Quantity / Packing	Thimble -1 No, SO2: 30 ml in PBC Bottle, NOx: 25 ml etc	

TEST REPORT

STACK DETAILS				
Stack attached to	9.0 MVA			
Stack identity	FAD Stack -01			
Material of construction	MS			
Stack height above GL (MTR)	32			
Stack Diameter (MTR)	2.0			
Stack shape at top	Circular			
Type of fuel	Coke			
PARAMETER	Unit	Result	Limit	Method Ref.
Flue Gas Temp.	°C	105	-	IS 11255 (P-3):2008
Flue gas velocity	m/sec	9.8	-	IS 11255 (P-3):2008
Particulate Matter (PM)	mg/Nm ³	24	50	IS 11255 (P-1):1985
Sulphur Dioxide (SO2)	mg/Nm ³	198	600	IS 11255 (P-2):1985
Oxides of Nitrogen (NOx)	mg/Nm ³	130	300	IS 11255 (P-7):2005

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Name and Address of Customer	Customer Ref No	RD245-00006
M/s MSP SPONGE IRON LIMITED, Village - Manuapali Post. - Jamgaon, District- Raigarh, Chhattisgarh - 496001	Report No	FEEL/PRO/2025/03/171
	Lab ref No	FEEL/PRO/2025/03/171
Date of sampling	19.03.2025	
Date of receipt	21.03.2025	
Date of report	27.03.2025	
Date of analysis	From : 23.03.2025	To : 23.03.2025
Sample details	Source Emission	
Monitoring / Sample Name	Stack Emission Monitoring	
Sampling Location	FAD Stack # 03 at sampling port	
Sample collected by	Representatives	
Sample Quantity / Packing	Thimble -1 No, SO2: 30 ml in PBC Bottle, NOx: 25 ml etc	

TEST REPORT

STACK DETAILS				
Stack attached to	7.5 MVA			
Stack identity	FAD Stack -02			
Material of construction	MS			
Stack height above GL (MTR)	32			
Stack Diameter (MTR)	2.0			
Stack shape at top	Circular			
Type of fuel	Coke			
PARAMETER	Unit	Result	Limit	Method Ref.
Flue Gas Temp.	°C	106	-	IS 11255 (P-3):2008
Flue gas velocity	m/sec	9.54	-	IS 11255 (P-3):2008
Particulate Matter (PM)	mg/Nm ³	27	50	IS 11255 (P-1):1985
Sulphur Dioxide (SO2)	mg/Nm ³	185	600	IS 11255 (P-2):1985
Oxides of Nitrogen (NOx)	mg/Nm ³	128	300	IS 11255 (P-7):2005



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Name and Address of Customer M/s MSP SPONGE IRON LIMITED, Village – Manuapali Post. – Jamgaon, District- Raigarh, Chhattisgarh - 496001	Customer Ref No RD245-00006 Report No FEEL/PRO/2025/03/178 Lab ref No FEEL/PRO/2025/03/178
Date of sampling 19.03.2025	Date of receipt 21.03.2025
Date of report 27.03.2025	
Date of analysis From : 23.03.2025	To : 23.03.2025
Sample details Source Emission	
Monitoring /Sample Name Stack Emission Monitoring	
Sampling Location FAD Stack # 04 at sampling port	
Sample collected by Representatives	
Sample Quantity / Packing Thimble -1 No, SO2: 30 ml in PBC Bottle, NOx: 25 ml etc	

TEST REPORT

STACK DETAILS

Stack attached to	7.5 MVA			
Stack identity	FAD Stack -03			
Material of construction	MS			
Stack height above GL (MTR)	32			
Stack Diameter (MTR)	2.0			
Stack shape at top	Circular			
Type of fuel	Coke			
PARAMETER	Unit	Result	Limit	Method Ref.
Flue Gas Temp.	°C	115	-	IS 11255 (P-3):2008
Flue gas velocity	m/sec	9.84	-	IS 11255 (P-3):2008
Particulate Matter (PM)	mg/Nm ³	26	50	IS 11255 (P-1):1985
Sulphur Dioxide (SO2)	mg/Nm ³	205	600	IS 11255 (P-2):1985
Oxides of Nitrogen (NOx)	mg/Nm ³	124	300	IS 11255 (P-7):2005

Remarks:

Terms & Conditions:

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 10 days after issue the test report unless otherwise agreed with customer.

The above test report is as per customer requirement.



Authorized Signatory
Mr. Mahesh Shelar
(Managing Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India

Registered Address : Flat No. A-5, Balaji Place, Kharadi Road,
Chandan Nagar, Tal. Haveli, Dist. Pune - 411014

Certifications : ISO 9001 : 2015
• ISO 14001 : 2015 • ISO 48001 : 2018



**EUROFINE ENVIRO
LAB PVT. LTD.**

Office Address : Gate No.1414, Near Ranjangaon Bus Stop
Ranjangaon, Tal. Shirur, Dist. Pune -412209
eurofinelab@gmail.com 9922474646 / 9637345858

Name and Address of Customer M/s MSP SPONGE IRON LIMITED, Village – Manuapali Post. – Jamgaon, District- Raigarh, Chhattisgarh - 496001	Customer Ref No RD245-00006 Report No FEEL/PRO/2025/03/172 Lab ref No FEEL/PRO/2025/03/172
Date of sampling 19.03.2025	Date of receipt 21.03.2025
Date of report 27.03.2025	Date of report 27.03.2025
Date of analysis From : 23.03.2024	Date of analysis To : 23.03.2025
Sample details Source Emission	
Monitoring /Sample Name Stack Emission Monitoring	
Sampling Location At stack sampling port	
Sample collected by Representatives	
Sample Quantity / Packing Thimble -1 No, SO2: 30 ml in PBC Bottle, NOx: 25 ml etc	

TEST REPORT

STACK DETAILS

Stack attached to	ESP
Stack identity	12 MW CPP
Material of construction	RCC
Stack height above GL (MTR)	57
Stack Diameter (MTR)	2.0
Stack shape at top	Circular
Type of fuel	Coke

PARAMETER	Unit	Result	Limit	Method Ref.
Flue Gas Temp.	°C	121	-	IS 11255 (P-3):2008
Flue gas velocity	m/sec	13.24	-	IS 11255 (P-3):2008
Particulate Matter (PM)	mg/Nm ³	38	50	IS 11255 (P-1):1985
Sulphur Dioxide (SO2)	mg/Nm ³	294	600	IS 11255 (P-2):1985
Oxides of Nitrogen (NOx)	mg/Nm ³	208	300	IS 11255 (P-7):2005

Remarks:

Terms & Conditions:

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 10 days after issue the test report unless otherwise agreed with customer.
- The above test report is as per customer requirement.



Authorized Signatory
Mr. Mahesh Shelar
(Managing Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India

Registered Address : Flat No. A-5, Balaji Place, Kharadi Road,
Chandan Nagar, Tal. Haveli, Dist. Pune - 411014

Certifications : ISO 9001 : 2015
• ISO 14001 : 2015 • ISO 48001 : 2018

Used Oil analysis report

Annex- VIII

Format No. : UESPL/FORM/09



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address Of The Customer		Report No.	UESPL/TR/24-25/05952
To,		Lab Ref No.	UESPL/24-25/MIISC/011476
MSP SPONGE IRON LIMITED		Date of Sampling	18/03/2025
VILLAGE -MANUAPALI, POST-JAMGAON, DIST- RAIGARH,496001(CHHATTISGARH)		Date of Receipt	19/03/2025
		Date of Report	22/03/2025
		Date of Analysis	Start: 19/03/2025 End: 22/03/2025
SAMPLE DETAILS			
Customer Ref. No. & Date	As Per Verbal Communication, Dated: 17.03.2025		
Customer Sample Id / Sampling Location	FAD Electrical		
Sample Type	Used Oil		
Sample Collected By	Laboratory Chemist		
Packing of Sample	Plastic Bottle (Sealed)		
Quantity Received	Approx. 250 ml		

TEST REPORT

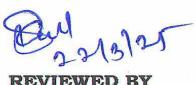
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMIT	RESULT
1	Iron as Fe	mg/kg	USEPA METHOD-1311	--	N.D.
2	Manganese as Mn	mg/kg	USEPA METHOD-1311	10.0	2.4
3	Zinc as Zn	mg/kg	USEPA METHOD-1311	250.0	4.6
4	Lead as Pb	mg/kg	USEPA METHOD-1311	5.0	1.2
5	Cadmium as Cd	mg/kg	USEPA METHOD-1311	1.0	0.63
6	Copper as Cu	mg/kg	USEPA METHOD-1311	25.0	0.21
7	Tin as Sn	mg/kg	USEPA METHOD-1311	--	N.D.
8	Chromium as Cr	mg/kg	USEPA METHOD-1311	5.0	4.11
9	Arsenic as As	mg/kg	USEPA METHOD-1311	5.0	N.D.
10	Mercury as Hg	mg/kg	USEPA METHOD-1311	0.2	N.D.
11	Barium as Ba	mg/kg	USEPA METHOD-1311	100	N.D.
12	Aluminium as Al	mg/kg	USEPA METHOD-1311	--	N.D.

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  AUTHORIZED SIGNATORY
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-----End of the test report-----

Water Draw Approval

Annex- IX

<p>छत्तीसगढ़ शासन जल संसाधन विभाग मंत्रालय महानदी भवन, कैपिटल कॉम्प्लेक्स, नया रायपुर (छ.ग.)</p> <p>क्रमांक /273/ जसं/ तशा/ औजप्र/ 03/ डी-4, नया रायपुर, दिनांक / 08/ 2013 प्रति, मुख्य अधियंता, हसदेव कछार, जल संसाधन विभाग, बिलासपुर (छ.ग.)</p> <p>विषय:- मेसर्च एम-एस-पी-संज आयरन लि., कोलकाता द्वारा जिला एवं ब्लाक-रायगढ़, ग्राम-मनुवापाली के निकट प्रस्तावित 0.27 LTPA फेरो एलायस संयंत्र एवं 24 मेगावाट कंटिंग पॉवर प्लांट हेतु कुरनाला से 1.00 मि.घ.मी. वार्षिक जल आबंटन/प्रदाय की स्वीकृति।</p> <p>संदर्भ:- 1. शासन का पत्र क्र. 5094-5095/7/ जसं/ तशा/ औजप्र/ 01/ डी-4, दि. 03.07.2013. 2. कार्यपालन अभियंता, जल संसाधन संभाग, रायगढ़ का पत्र क्र. 2921-2922/व.ले.लि./ 2013, दिनांक 29.07.2013.</p> <p>उपरोक्त विषय के संदर्भ में, राज्य जल संसाधन उपयोग समिति, छत्तीसगढ़ की 33वीं बैठक, दिनांक 03.06.2013 में लिये गये निर्णयानुसार मेसर्च एम-एस-पी-संज आयरन लि., कोलकाता (संस्थान) द्वारा जिला एवं ब्लाक-रायगढ़, ग्राम-मनुवापाली के निकट प्रस्तावित 0.27 LTPA फेरो एलायस संयंत्र एवं 24 मेगावाट कंटिंग पॉवर प्लांट हेतु कुरनाला से 1.00 मि.घ.मी. वार्षिक जल, कुरनाला में निर्मित हेहरापाली एनीकट (आफटेक ब्लॉड), से आबंटन/प्रदाय की स्वीकृति निम्नलिखित शर्तों की साथ प्रदान की जाती है :-</p> <p>1. प्रकरण में, औद्योगिक/पेयजल उपयोग हेतु जल आबंटन/आरक्षण/स्वीकृति के एवज में कमिटमेंट चार्जेस बाबत शासन द्वारा जारी परिपत्र दिनांक 20.04.2007 की कडिका क्रमांक-1 के अनुसार कमिटमेंट चार्जेस रु. 25000/-०० (रु. पच्चीस हजार) की दूगतान की गई राशि, नियमित जल-कर या अन्य किसी राशि में समायोजित नहीं होगी और न ही वापसी योग्य होगी।</p> <p>2. संस्थान, कुरनाला से जल आहरण हेतु प्रस्तावित जल संग्रहण संरचना (बेहरापाली एनीकट) के निर्धारित स्थल (आफटेक ब्लॉड) से अपने संयंत्र स्थल तक जल ले जाने हेतु आवश्यक व्यवस्था (इंटरकॉल का निर्माण, पाइप लाइन विधान आदि) जल संसाधन विभाग के अनुमति उपरांत स्वयं के व्यय पर करेगा। इसके साथ ही संस्थान को कम से कम 60 दिनों की जल आवश्यकता के अनुरूप जल संग्रहण हेतु अपने संयंत्र परिक्षेत्र में बैलेन्सिंग रिजरवायर (तालाब) का निर्माण अनिवार्य रूप से करना होगा।</p> <p>3. प्रकरण में प्रदायित जल की मात्रा के माप हेतु इंटरकॉल (पंप हाउस) में मानक जल मापन यंत्र की स्थापना संस्थान को स्वयं के व्यय पर करनी होगी, जिसकी समय-समय पर विभाग द्वारा जांच की जा सकेगी।</p>		<p>2.....</p> <p>4. कुरनाला में निर्मित जल संग्रहण संरचना (बेहरापाली एनीकट) से जल ले जाने हेतु पाइप लाइन विधाने के लिए भू-अर्जन एवं संबंधित जो भी समस्या आये गी उसका निराकरण संस्थान स्वयं के व्यय पर स्वयं करेगा। इसके साथ ही छ.ग. राज्य की आदर्श पुनर्वास नीति-2007 (थथा संघोषित) का पालन करना अनिवार्य होगा।</p> <p>5. संस्थान द्वारा वास्तविक जल आहरण के आहार पर स्थीकृत जल-मात्रा का आंकलन एवं समीक्षा समय-समय पर शासन द्वारा की जा सकेगी।</p> <p>6. कुरनाला में जल संग्रहण एवं जल आहरण के प्रस्तावित स्थल (बेहरापाली एनीकट) के ऊपर एवं नीचे जल उपयोग हेतु जल संसाधन विभाग स्वतंत्र होगा एवं निर्मित जल संग्रहण संस्थान में द्वारा वापिस जल के अतिरिक्त जल के उपलब्ध होने पर उसके उपयोग हेतु भी जल संसाधन विभाग स्वतंत्र होगा।</p> <p>7. संस्थान, स्थानीय लोगों के जल उपयोग जैसे पेयजल एवं निस्तरार आदि हेतु पर किसी प्रकार का प्रतिकूल प्रभाव नहीं डालेगा एवं इसके लिए आवश्यक जल की मात्रा जल संरचनाओं में हमेशा सुरक्षित रखी जायेगी।</p> <p>8. संस्थान, उपयोग के पश्चात अपने संयंत्र से निस्तरार जल का रि-साइकिलिंग करके इसका उपयोग करेगा एवं छत्तीसगढ़ पर्यावरण संस्करण मंडल द्वारा निर्धारित मानकों एवं नियमों के अनुसार उचावाकर निस्तरार करेगा, ताकि क्षेत्र में जल प्रदूषण की कोई समस्या उत्पन्न न हो।</p> <p>9. संस्थान को जल का उपयोग प्रारंभ करने के पूर्व विभाग के निर्धारित प्रारूप-7(क) में मुख्य अभियंता, हसदेव कछार, जल संसाधन विभाग, बिलासपुर के निर्देशनुसार/अनुरोदन उपरांत जल कर या अन्य किसी राशि में समय-समय पर निर्धारित जल-दर अनुसार जल कर एवं कमिटमेंट चार्जेस का नियमानुसार भूगतान जल संसाधन विभाग को अनिवार्य रूप से करना होगा एवं कमिटमेंट चार्जेस के संबंध में कमी होने पर शासन द्वारा जारी परिपत्र दिनांक 20.04.2007 का पालन संस्थान के लिए बदलनार्ह होगा।</p> <p>10. संस्थान को शासन द्वारा शाकारी स्तरों से औद्योगिक जल उपयोग हेतु समय-समय पर निर्धारित जल-दर अनुसार जल कर एवं कमिटमेंट चार्जेस का नियमानुसार भूगतान जल संसाधन विभाग को अनिवार्य रूप से करना होगा एवं कमिटमेंट चार्जेस के संबंध में कमी होने पर शासन द्वारा जारी परिपत्र दिनांक 20.04.2007 का पालन संस्थान के लिए बदलनार्ह होगा।</p> <p>11. प्रकरण में जल प्रदाय की यह स्वीकृति वर्तमान में उपलब्ध औंडकों/परिस्थितियों पर आधारित है। भविष्य में किसी कारणवश नदी के जल प्रवाह एवं जल संरचना के जल संग्रहण में कमी होने पर शासन इसके लिए जवाबदेह नहीं रहेगा एवं इस संबंध में शासन के विरुद्ध जिसी प्रकार का दावा मान्य योग्य नहीं होगा।</p> <p>12. शासन द्वारा कमिटमेंट चार्जेस के संबंध में जारी परिपत्र दिनांक 20.04.2007 के अनुसार संस्थान को इस स्वीकृति पत्र के जारी होने के दिनांक से 02 वर्षों के अंदर जल का उपयोग प्रारंभ करना होगा। इस अवधि के दौरान संस्थान द्वारा यदि जल का उपयोग प्रारंभ नहीं किया जाता है तो उपयोग प्रारंभ करने की समय-सीमा अधिकतम 2 वर्ष की अवधि के लिए और बदाई जा सकेगी एवं इस हेतु प्रथम वर्ष में आबंटन/आरक्षण जल की संपूर्ण मात्रा के 5% और एवं दूसरे वर्ष में 10% अंश की जल-कर राशि अतिरिक्त कमिटमेंट चार्जेस के रूप में संबंधित वर्ष की समाप्ति के पश्चात 3 माह के अंदर जमा करनी होगी। अतिरिक्त कमिटमेंट चार्जेस की निर्धारित</p>
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EC Compliance Report: Oct - 24 to Mar- 25
MSP Sponge Iron Ltd, Raigarh

...3...

अधिकतम 2 वर्ष की समय-सीमा के अनुसार भुगतान करने के पश्चात भी यदि संस्थान द्वारा जल का उपयोग प्रारंभ नहीं किया जाता है एवं उपरोक्तानुसार निर्धारित समर्त शर्तों का पालन नहीं किया जाता है तो तत्काल प्रभाव से जल आबंटन/आरक्षण स्वयमेव समाप्त माना जायेगा एवं शासन को इस जल को अन्य किसी के उपयोग हेतु आबंटित/आरक्षित करने की स्वतंत्रता होगी।

सहपत्रः— शून्य।

SD/
(याकुब खेस्से)
उप सचिव

जल संसाधन विभाग
मंत्रालय, नया रायपुर

...4...

6305
पु.क्र. /273/जस/तश/आजप्र/03/डी-4, नया रायपुर, दिनांक 31/08/2013

प्रतिलिपि –

- प्रमुख अभियंता, जल संसाधन विभाग, सिहावा भवन, रायपुर को संदर्भित पत्रों के परिप्रेक्ष में सूचनार्थ अग्रेषित।
- अधीक्षण अभियंता, जल संसाधन मण्डल, रायगढ़ एवं
- कार्यपालन अभियंता, जल संसाधन संभाग, रायगढ़
को सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- उप सचिवालक, राज्य निवेश प्रेत्साहन बोर्ड, रेणुका द्वार, शास्त्री चौक रायपुर को सूचनार्थ अग्रेषित।
- महाप्रबंधक, भैसर्स एम.एस.पी.स्पंज आयरन लि., फेरो अलाय हिंडिजन, याम-मनुदापाली, पोर्ट-जामगढ़ (छ.ग.) को उनके आवेदन पत्र दिनांक 30.11.2009 के संदर्भ में सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

सहपत्र— शून्य।

SD/ 31/08/2013
उप सचिव
जल संसाधन विभाग
मंत्रालय, नया रायपुर