

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/L.S.I (R53)/ Rev. RED/I.S./ (95.1)
No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000227161/CR/2509002322

Date: 22/09/2025

To,
M/s. Steel Authority of India Ltd.,
Chandrapur Ferro Alloy Plant,
Sr. No. 498/2,499,500,503/2, Mul Road, Chandrapur.
Tal. & Dist. Chandrapur



Sub: Grant of Renewal of consent to operate under Red Category.

- Ref:**
1. Environment Clearance for expansion accorded vide No. F. No. J-110117/2011-IA-II (I), dated 10.03.2014.
 2. Previous renewal of consent to operate granted by the Board vide No. Format1.0/CAC/UAN No.MPCB-CONSENT- 0000183720/CR/2411000870 dtd. 4/11/2024
 3. Consent to Establish for expansion granted by the Board vide No. Format1.0/CAC/UAN No.0000153162/CE/2303000419 dtd. 06/03/2023
 4. Minutes of Consent Appraisal Committee meeting held on 16.04.2025
 5. Show Cause Notice for refusal issued on 7.05.2025
 6. Reply to the Show Cause Notice for refusal submitted on 8.05.2025 & 24.07.2025
 7. Minutes of Consent Appraisal Committee meeting held on 29.07.2025

Your application No.MPCB-CONSENT-0000227161 Dated 28.11.2024

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

1. **The consent to renewal is granted for a period up to 31/12/2027**
2. **The capital investment of the project is Rs.392.6 Crs. (As per C.A Certificate submitted by industry Existing CI is of Rs. 387.60 Crs + Increase in C.I. by Rs. 5.0 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	High carbon ferro manganese	96660	MT/A
2	Silico manganese	80540	MT/A
3	Medium carbon ferro manganese	200	MT/M

Sr No	Product	Maximum Quantity	UOM
4	Manganese ore sinter at SP-I	1170	MT/M
5	Manganese ore sinter at SP-II	1335	MT/M
6	Power generation	4.2	MW
7	Nitrogen Gas	75	Nm3/hr
8	Furnace gas	19000	m3/hr
9	High MnO slag (Fe, Mn slag)	8240	MT/M
10	MnO slag (SiMn slag)	6040	MT/M
11	Medium carbon ferro manganese slag	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	860	As per Schedule-I	100% recycled in the process
2.	Domestic effluent	144	As per Schedule-I	60% treated effluent shall be used for secondary purposes/ cooling purposes, etc and remaining shall be used 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	1 MVA EAF	1	As per Schedule -II
2	S-2	Submerged Gas Furnace	1	As per Schedule -II
3	S-3 to S-5	Furnace SAF - I, II & III	1	As per Schedule -II
4	S-6	Sinter plant-I	1	As per Schedule -II
5	S-7	Sinter plant-II	1	As per Schedule -II
6	S-8	Country Kiln - I	1	As per Schedule -II
7	S-9	Country Kiln - II	1	As per Schedule -II
8	S-10	Power Plant	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Medium Carbon Ferro manganese slag	5383	MT/A	Reuse/Recycle/Sale	Used in Silica Manganese production in the plant or sale to outside Authorized parties.

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
2	Silico manganese slag	65403	MT/A	Reuse/Recycle/Sale	Used in SiMn production, filling in low lying areas and for stowing in underground coal mines or sale to outside parties.

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

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	35.1 Exhaust Air or Gas cleaning residue	10100	MT/A	Reuse	100 % utilization- It is agglomerated in sinter plants and it will be used in brick block making
2	5.1 Used or spent oil	21	KL/A	Recycle	Sale to authorized party for recycle
3	Mixed non-ferrous scrap	1.0	MT/A	Reprocessing	Sale to authorized party for recycle

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. PP shall operate the air pollution control system scientifically to achieve emission standards.
11. PP shall achieve TPM - 50 mg/Nm³ as per notification of MoEF & CC vide dated 04.12.2019.
12. PP shall comply with the Environment Clearance for expansion accorded vide No. F. No. J-110117/2011-IA-II (I), dated 10.03.2014.
13. PP shall operate the chemical fogger system round the clock to control the fugitive emissions from sinter plant & raw material handling area.
14. PP shall operate the mechanical dust collection system and vacuum cleaner regularly.
15. PP shall complete the registration of OCEMS and connect to the MPCB & CPCB servers within 1 month.
16. PP shall operate all CAAQM stations for ambient monitoring and shall submit a compliance report to the concerned Regional Office.
17. PP shall operate the air pollution control system scientifically to achieve the emission standards as imposed in the consent.
18. PP shall comply with the Board's proposed Directions/Directions and other instructions issued time to time.
19. PP shall obtain CGWA NOC for groundwater Extraction and renew it time time before expiry of the same.
20. PP shall submit/extend BG of Rs. 25.0 towards O & M of Pollution control system and compliance of consent conditions.

21. The applicant shall make an application for renewal of consent 120 days prior to date of expiry of the consent.
22. The industry shall create an Environment Cell by appointing an Environmental Engineer OR Expert for looking after day-to-day activities related to Environment OR Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	972000.00	MPCB-DR-30591	09/12/2024	NEFT
2	653716.00	TXN2509003632	19/09/2025	Online Payment
3	75616.00	TXN2509003873	20/09/2025	Online Payment

Copy to:

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

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide Effluent Treatment Plant (ETP) of designed capacity of 840.00 CMD consisting of primary treatment followed by Neutralization Tank, Primary Clarifier for the treatment of 860.00 CMD industrial effluent
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	6.0 -8.5
(2)	BOD (3 days 27°C)	30
(3)	COD	250
(4)	TSS	100
(5)	Oil & Grease	10
(6)	Phosphates as P	5
(7)	Sulphides as S	2
(8)	Phenolic Compounds	1
(9)	Chloride	600
(10)	Sulphate	1000
(11)	Iron	5.0

For Power Plants:

The Industrial effluents arising from various sections of power plant shall be given such treatment either collective or individually as the site condition permits that the final quantity of effluent shall have following character standards:

Sr. No.	Parameters	Limiting concentration not to exceed in mg/l, except for pH
For Condenser Cooling Water		
(1)	pH	Between 6.5 to 8.5
(2)	Temperature	Not to exceed 5°C than that of intake water temp.
(3)	Free available chlorine	Not to exceed 0.5
Boiler Blow Down		
(1)	Suspended Solids	Not to exceed 100
(2)	Oil & Grease	Not to exceed 10
(3)	Copper (Total)	Not to exceed 1
(4)	Iron (Total)	Not to exceed 1
Cooling Tower Blow Down		
(1)	Free available chlorine	Not to exceed 0.5
(2)	Zinc	Not to exceed 1
(3)	Chromium (Total)	Not to exceed 0.2
(4)	Phosphate	Not to exceed 5
D.M. Plant Effluent		
(1)	pH	5.5 to 9
(2)	Suspended Solids	Not to exceed 100
(3)	Oil & Grease	Not to exceed 10
(4)	BOD 3 days	Not to exceed 30
(5)	COD	Not to exceed 250
(6)	TDS	Not to exceed 2100

C] The treated effluent shall be 100% recycled in process to achieve ZLD. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.

D] The Applicant shall provide specific water pollution control system as per the conditions of EP Act, 1986 & rule made there under from time to time

2) **A] As per your application, you have proposed to provide STP design capacity of 200 CMD for the treatment of 144 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	7100.00
2.	Domestic purpose	235.00
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	840.00
5.	Grandening	130

- 4) Project proponent shall provide online continuous monitoring of effluent and flow meters in the channel /drain carrying effluent within the premises.**
- 5) Prior permission shall be obtained from CGWA / irrigation department if ground Water/surface water is being used for industrial/Domestic purpose.**
- 6) 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.**
- 7) 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	Fume extraction furnace of 1 MVA Electric Arc furnace	Fume extraction system	35	Electricity	0 --NA--	0.00	0.00
S-2	Submerged Arc Furnace -1	Gas cleaning Plant Wet scrubber	45	Electricity	0 --NA--	0.00	-1.00
S-3	Submerged Arc Furnace -2	Gas cleaning Plant Wet scrubber	45	Electricity	0 --NA--	0.00	0.00
S-4	Submerged Arc Furnace -3	Gas cleaning Plant Wet scrubber	45	Electricity	0 --NA--	0.00	0.00
S-5	Submerged Arc Furnace -3	Fume Extraction system	35	Electricity	0 --NA--	0.00	0.00
S-6	Sinter plant -1	Multi cyclone	15	Clean SAF gas	300 Nm3/hr	0.00	0.00
S-7	Sinter plant 2	Multi cyclone	30	Clean SAF gas	100 Nm3/hr	0.00	0.00
S-8	Country kiln 1	NA	16	Clean SAF gas	200 Nm3/hr	0.00	0.00
S-9	Country kiln 2	NA	17	Clean SAF gas	200 Nm3/hr	0.00	0.00
S-10	Gas based Power Plant	NA	52.5	Clean SAF gas	8000 Nm3/hr	0.00	0.00

- 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.

B. Sintering and Pelletizing Plants - Main and secondary stacks emission	
Particulate Matter (PM)	50 mg/Nm ³
SO ₂	500 mg/Nm ³
NOx	500 mg/Nm ³
E. Process Gas Based Power Plants / Boilers	
Particulate Matter (PM)	50 mg/Nm ³
SO ₂	300 mg/Nm ³
NOx	400 mg/Nm ³
G. Lime kilns, Dolomite kilns, Refractory units	
Particulate Matter (PM)	50 mg/Nm ³
SO ₂	400 mg/Nm ³
NOx	500 mg/Nm ³
I. Electric Arc Furnaces	
Particulate Matter (PM)	50 mg/Nm ³
J. Induction Furnaces	
Particulate Matter (PM)	50 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.



SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of consent to operate	Rs. 25.0 Lakh	15 days/Extend	Towards O & M of pollution control system & compliance of consent & EC conditions	continous	30.04.2028

If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No.

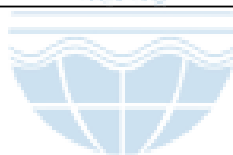
BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

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

BG Return details

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



SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be 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.
