

Shyam Century Ferrous Ltd.

Regd. Office : Vill. : Lumshnong, PO : Khaliehriat, Dist. East Jaintia Hills, Meghalaya – 793210, Phone No : 03655-278215/16/18,
Fax : 03655-278217, E-mail ID : investors@shyamcenturyferrous.com, Website : www.shyamcenturyferrous.com

Ref: HR/SCF/MOEF/2024/03

CIN : L27310ML2011PLC008578

Dated: 30th December, 2024

To
Dr.V Saio, Scientist 'D'
Government of India,
Ministry of Environment, Forest and Climate Change,
North Eastern Regional Office,
Law-U-Sib, Lumbatngen,
Shillong- 793021.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
(पर्यावरण वन और जलवायु परिवर्तन मन्त्रालय भारत सरकार)
(Ministry of Environment Forest & Climate Change, Government of India)
क्षेत्रीय निदेशालय - उत्तर पूर्वी क्षेत्र
Regional Directorate - North East, Shillong - 793021

RECEIPT No.....1703.....

DATED...03.01.2025.....

Anshu

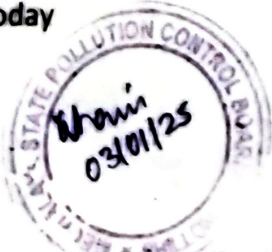
Dear Sir,

Sub: Six monthly Compliance report for the period April 2024 to September 2024.

Ref: Your letter No- MOEF J-11011/330/2008-1A II(1) dated 19.10.2009

A. Specific Conditions

- i) Pet Coke shall be used as fuel instead of charcoal from unknown sources.
 - We are using about 80-90% Lam coke & mill wastage (woodchips) in place of Charcoal (Documents Enclosed)
- ii) Continuous monitoring facilities for all the stacks and sufficient air pollution control equipment's viz. Fume extraction system with bag filters, I.D fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 100 mg/nm³. The Meghalaya pollution control board (MPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and locations. At no time, the emissions level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emissions level exceeds the limits.
 - Continuous monitoring equipment in both CPP & Ferro Alloys plant have been installed Continuous online monitoring facility in both Ferro Alloys and CPP stacks have been installed and data is uploading in both CPCB and MSPCB. (one week reports attached) Also we are conducting monitoring of stacks emissions for NO₂ and SO₂. (Test reports enclosed). Note- Our CPP power plant is under shut down from November 2018 to till today



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Guwahati Office : C/o Cement Manufacturing Co. Ltd., Mayur Garden, 2nd Floor, Opp. Rajiv Bhawan, G.S. Road, Guwahati - 781005
Ph. No. : 0361 24612215/16/17, Fax : 0361 2462217

AN ISO 9001 Certified Company

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- iii) In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dust extractions system with bag filters shall be provided to control fugitive emissions from material handling, conveying and screening operations by evacuating in close systems. Dust suppression system including water sprinkling shall be provided to control fugitive emissions from storage, transportation of raw material. Ash conditioners shall be installed at loading and transport points to control as dust pollution. Bag filters and de-dusting units shall be provided at crushers, transfer points of conveyors, raw materials and product handling areas to meet the MPCB norms. Asphaltting or concreting of the roads shall be done to control fugitive emissions.
- Close circuit conveyor ,adequate dust suppression system bag filter (ash silo) including water sprinkling has been provided to control fugitive emissions from the storage, transportation of raw material and transport points to control dust pollution.
- iv) Secondary fugitive emissions from all the source shall be controlled within the latest permissible limits issued by the ministry and regularly monitored. Guidelines / code of practice issued by the CPCB shall be followed.
- Secondary fugitive emissions will be controlled within permissible limits. As per the provisions of CPCB we have been controlling secondary fugitive emission within permissible limits. (Test reports enclosed)
- v) Vehicular pollutions due to transportation of raw material and Finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Fugitive emissions from all the sources shall be monitored and records maintained.
- Water sprinkler system has been provided to control vehicular pollution.
- vi) Total water requirement from Umtru River shall not exceed 72m³/day. Closed cycle water re-circulation system shall be adopted to reduce the water consumption. All the process effluent from all the sources including existing captive power plant shall be neutralized in neutralization pit and the treated water shall be used for ash slurry making/ sprinkling/ green belt development. The effluent shall be treated to meet the norms specified by CPCB and MPCB. All and grease shall be removed by means of oil traps and skimming devices. No effluent shall be discharged outside the factory premises and 'Zero' discharged shall be adopted Domestic waste water shall be treated in septic tank followed by soak pit and used for green belt development.
- Neutralization Pit has been installed. We are using river water not ground water and 'Zero' effluent discharge has been followed through ETP. Monitoring of influent in water carried out and all parameters are in permissible limits. (Water test report attached).

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- vii) Prior permission for the drawl of 72m³/day water from Umtru River shall be obtained from the concerned department and a copy submitted to the Ministry's Regional Office at Shillong within 3 months of the issue of environment clearance.
- Renewal of NOC for drawl of water from River Umtrew is under processed.
- viii) 'Zero' effluent discharged shall be strictly followed and no waste water shall be discharge outside the premises.
- Neutralization pit has already been installed and 'Zero' effluent discharged maintaining.
- ix) Regular monitoring of influent and effluent surface, soft surface and ground water shall be ensured and treated waste water shall meet the norms prescribe by the State Pollution Control Board or described under the E(P) Act which ever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office and Shillong, Meghalaya SPCB and CPCB.
- It is ensured that treated waste water meets the norms prescribed by the State Pollution Control Board. (Water test report attached for Pt no VI). There is no Leachate generated as we are keeping all raw materials inside the shed
- x) All the Ferro alloy slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leach ability potential 'TCLP' test. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured land filling as per CPCB guidelines. Ferro Silicon slag shall be sold to foundries for further utilization. All the other solid waste shall be properly disposed off in environment friendly manner. No hazardous materials shall be spilled out good housekeeping practices shall be adopted. Used oil/ lubricants shall be sold to authorized recyclers/ reprocessors.
- Ferro –Silicon Slag is being sold to foundaries and used oil / lubricants sold to authorized recyclers.(Details attached)
- xi) All the fly ash from the existing captive power plant should be utilized as per fly ash notification 1990 & subsequently amended in 2003 fly ash should be provided to cement/ brick manufacturing units for further use in making Pozoland Porlant Cement(PPC).
- The fly ash from captive power plant is being sold to cement units for making Pozoland Portland Cement. No fly ash has been generated since November 2018 our Captive power plant is under shut down till today
- xii) No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.
- No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forest. We are manufacturing only one product Ferro Silicon



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xiii) Proper handling, storage, utilization and disposal of solid waste shall be ensured and regular report regarding Toxic metal content in the waste material and its composition, end use of solid/ hazardous waste shall be submitted to the Ministry's Regional Office at Shillong, Meghalaya SPCB and CPCB.

➤ Proper handling, storage utilization and disposal of solid waste shall be ensured. Reports of toxic metal content in the waste material is submitted to the Regional Office, Shillong

xiv) Disaster management plan shall be prepared and a copy submitted to the Ministry's Regional Office at Shillong, Meghalaya SPCB and CPCB within 3 months of issue of environment clearance letter.

➤ Disaster management plan has already been prepared and submitted to the Regional Office, SPCB, and CPCB.

xv) As proposed, green belt shall be developed in 9000m² (33%) out of total 26714m² area within and around plant premises as per the CPCB guidelines in consultation with DFO.

➤ Green belt has already been developed within and around the plant.

xvi) Prior permission from the State forest department shall be taken regarding likely impact of the expansion of the proposed still plant on the reserved forest. Measures shall be taken to prevent impact of particulate emissions /fugitive emission, if any from the proposed plant on the surrounding reserved forest viz. Myllem RF and Markodola RF located within 10 KM radius of the project. Further, Conservation Plan for the conservation of Wild Fauna in consultation with the State Forest Department shall be prepared and implemented.

➤ Prior permission from the State Forest deptt. regarding likely impact of expansion on the reserve forest obtained & submitted to Regional Office.

xvii) All the recommendation made in the Charter on Corporate Responsibilities for Environment Protection (CREP) for the Ferro Alloy Units shall be strictly implemented.

➤ Recommendation made in the charter on corporate responsibility for environment protection (CREP) for the Ferro Alloy units shall be implemented.

xviii) The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drink water, medical health care, creche etc. The Housing may be in the form of temporary structures to be removed after the completion of the project.

➤ Necessary housing for construction labour has been provided with free of cost to the regular employees and including contract labour.



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B. GENERAL CONDITIONS:

- i) The project authorities must strictly adhere to the stipulation made by the Meghalaya Pollution Control Board (MPCB) and the State govt.
 - The stipulation made by Meghalaya pollution control Board and the State Govt. will be complied with.
- ii) No further expansion for modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forest's
 - No further expansion or modification in the plant shall be carried out without prior approval of MOEF.
- iii) At least four ambient air quality monitoring stations shall be established in the downward directions as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the MPCB. Data on ambient air quality and stack emissions should be regularly submitted to the Ministry including its Regional Office at Shillong, MPCB and CPCB once in 6 months.
 - As per direction & identified by MSPCB, Ambient Air quality monitoring stations have been established in the four locations on July 2024 and reports of ambient air quality and stack emissions are attached herewith.
- iv) Fume and dust extraction system with bag filter shall be provided at the transfer and discharge points to control fugitive emissions. Further, specific measures like water sprinkling around the raw material storage areas and Asphalting or Concreting of the roads shall be done to control fugitive emissions.
 - Necessary measures will be taken to control the fugitive emissions.
- v) Industrial waste water shall be properly collected, treated so as to conform to the standards prescribe under GSR 422(E) dated 19th May,1993 and 31st December or as amended from time to time. The treated waste water shall be utilized for the plantation purpose.
 - Industrial waste water is treated and utilized for plantation purpose.
- vi) The company shall developed rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.



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- Due to heavy rain fall area, the ground water table is automatically recharged. However civil works for construction of rain water storage tank is going on behind our Adm building, as soon as it completes we will inform to your good self in written.
- vii) The overall noise levels in and around the plant area shall be kept well within 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 prescribe under EPA rules, 1989 viz.75 (dBA day time) and (70dBA night time).
- The overall noise level in an around the plant area is within the limits. The reports of noise level attached and necessary measures will be taken to keep the overall noise level within the permissible limits.
- viii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.
- Occupational Health Surveillance of the workers is being done on 11th December,2024 by a team of Doctors from Hans Foundation Meghalaya(Check up list attached herewith) and moreover our employees are covered under ESI Scheme
- ix) The project proponent shall also comply with all the environmental protection measures and safe guards recommended in the EIA/ EMP report.
- All environmental protection measures and safeguards are being taken.
- x. The company must undertake socio economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.
- Socio Economics development activities in the surrounding villages are being taken care off.
- xi) As proposed, rupees 40 lakhs and rupees 10Lakhs shall be ear marked towards capital cost and recurring cost/ annum for environment pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Govt. the funds so provided shall not be diverted for any other purpose.
- The funds ear marked for environment protection control measures shall be utilized for the required purpose.



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- xii) A copy of clearance letter shall be send by the proponent to concerned Panchayat, Gila 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 put on the Website of the company by the proponent.
- The unit being located in EPIP, no representations were obtained from local bodies while processing the proposal.
- xiii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of conditions, including results of monitored data on their website and shall updated the same periodically. It shall simultaneously be send to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the MPCB. The criteria pollutant levels namely ; SPM, RSPM,SO2, NOx (ambient levels as well as stack emissions) or critical sect oral parameters, indicate for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- The compliance status of environmental clearance stipulations & monitoring data has been uploaded on our websites WWW.SHYAMCENTURYFERROUS.COM
- xiv) 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 by email) to the respective Regional Office of MOEF, The Respective Zonal Office of CPCB and the MPCB. The regional office of this ministry at Shillong/ CPCB/ MPCB/ shall monitor the stipulated condition.
- Six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data has been submitted.
- xv) The environmental statement for each financial year ending 31st March in form-V as it is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, and amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be send to the respective Regional Offices of the MOEF by email.
- Environmental statement financial year ending 31st March 2023-24 Form –V is being submitted to Meghalaya State Pollution Control Board & Regional Office. (Detailed attached)
- xvi)The Project proponent shall inform the public that the project has been accord environmental clearance by the Ministry and copies of the clearance letter are available with

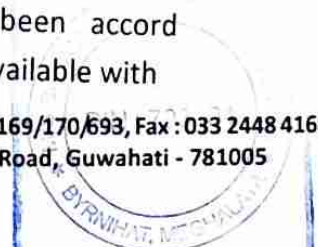
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the CPCB and may also be seen at the website of the Ministry of Environment and Forest at <http://envforr.nic.in>. This shall be advertise within seven days from the date of issue of the clearance letter, at least in two local newspapers. That are 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 Shillong.

➤ Already published in the local newspapers.

xvii) Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closer and final approval of the project by the concerned authorities and the date of commencing the land development work.

➤ Already informed about the commencement of implementation of the project. Details Attached

We are taking necessary steps for the environmental protection & safeguards systems

Thanking you.

Yours Faithfully,

For M/S Shyam Century Ferrous Limited
SHYAM CENTURY FERROUS LTD.



AUTHORIZED SIGNATORY

Authorized Signatory

Note: Our Captive Power plant is under shut down from dated 26.11.2018 to till today due to non-availability of coal.

Coty to,

1. Director Regional Directorate, CPCB, SHILLONG
2. Member Secretary ,Meghalaya state pollution control board, SHILLONG -793014


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