



ELECTROSTEEL CASTINGS LIMITED

30, B.T. ROAD, KHARDAH, P.O. SUKCHAR, KOLKATA – 700115 (INDIA)

TEL : 91 - 33 - 71014300, 71014450 FAX : 91 - 33 - 71014501 to 4504

Website : www.electrosteelcastings.com

CIN - L27310OR1955PLC000310

Certified
ISO 9001
ISO 14001
BS OHSAS 18001
ISO 50001
SA 8000

Ref : ECL/MoEFCC/HALDIA/18-19

Dated : 30.05.2018

Mr. Sandeep Nandi
Research Officer Grade I
Ministry of Environment, Forest & Climate Change
Eastern Regional Office
A/3, Chandrasekharpur
Bhubaneswar – 751023.

Ref : EC Letter No. J-11011/02/2016-IA-II (I), dated 12.04.2017

Sub : Half Yearly Compliance Report of the conditions of Environmental Clearance issued by Ministry of Environment & Forest, New Delhi for Proposed installation of the Ferro Alloy Plant through setting up of 1 x 6 MVA & 1 x 9 MVA submerged Arc Furnace for production of Ferro Manganese (38,156 TPA) or Silico Manganese (27,109 TPA) or Ferro Silicon (10,421 TPA) by M/s. Electrosteel Castings Ltd., located at Haldia, Dist. Purba Medinipur, West Bengal for the period October'17 to March'18.

Respected Sir,

This has reference to the Environmental Clearance letter No. J-11011/02/2016-IA-II (I), dated 12.04.2017 issued by Ministry of Environment, Forest & Climate Change, New Delhi.

We enclose herewith Compliance Report for the period of October'17 to March'18 for your perusal.

Thanking You,

Yours faithfully
For Electrosteel Castings Ltd

S.N Bhounik
Vice President (Projects & Engineering)

Enclo : EC Compliance Report

HEAD OFFICE: 19, CAMAC STREET, KOLKATA – 700017
TEL: 91 - 33 - 71034400, 22839990, FAX : 91 – 33 22894340
Regd. Office: Rathod Colony, Rajgangpur, Sundergarh, Odisha - 770017





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CC:- 1) Regional Director,
Central pollution control board,
Southend conclave, Block 502,
5th & 6th floor 1582 Rajdanga main road,
Saratpark, Bose pukur, kasba.
Kolkata-700107.

2) The Environmental Engineer,
West Bengal Pollution Control Board,
Haldia Regional Office,
Super Market Building,
Durgachak,
Medinipur (East)-721602

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ENVIRONMENT CLEARANCE SIX MONTHLY COMPLIANCE REPORT

(FROM OCTOBER -17 TO MARCH 2018)

Project Name :- Proposed installation of the Ferro Alloy Plant through setting up of 1 x 6 MVA & 1 x 9 MVA submerged Arc Furnace for production of Ferro Manganese (38,156 TPA) or Silico Manganese (27,109 TPA) or Ferro Silicon (10,421 TPA) by M/s. Electrosteel Castings Ltd., located at Haldia, Dist. Purba Medinipur, West Bengal

Environment Clearance : J-11011/02/2016-IA-II (I), dated 12.04.2017

SL No.	CONDITION OF ENVIRONMENTAL CLEARANCE	STATUS OF COMPLIANCE
PART A- Specific Conditions		
i.	The project proponent should install 24x7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to Ministry and its Regional Office	Will be complied on the commissioning of the project.
ii.	Bag filters to be installed to reduce the emission of Particulate Matter (PM). PM emission should not exceed 100 mg/m ³ . Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the permissible limits which have been most recently prescribed by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should also be followed.	Will be complied on the commissioning of the project.
iii.	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Will be complied.
iv.	Neurological Evaluation of workers exposed to Manganese should be monitored annually and the report should be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.	Will be complied.
v.	Measures shall be taken to reduce PM levels in the ambient air. Stack of adequate height & diameter with continuous stack monitoring facilities for all the stacks should be provided. In addition, sufficient air pollution control devices viz. bag house, bag filters etc. should be provided.	Proper measures will be taken.
vi.	Dust extraction system comprising of pulse jet type bag filter, centrifugal fan and motor, duct work including suction hoods, dust supports, stack, duct hopper, rotary air lock valves etc. should be installed to control the primary and secondary emission	Adequate dust extraction system comprising of required equipment will be installed to control the primary and secondary emission.
vii.	Water sprinkling arrangements as well as dry fog system to control fugitive emission shall put up. Water sprinkling should be carried out at the raw material stockyard to control fugitive dust emissions.	Proper water sprinkling and dry fog system will be provided.



viii.	Efforts should be made to use maximum water from the rain water harvesting sources .If needed ,capacity of the reservoir shall be enhanced to meet the maximum water requirement .Only balance water requirement shall be met from others .Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption. Water requirement should be modified accordingly	Will be complied.
ix.	10-15 m wide green belt should be developed all along the boundary of the plant and in all 33% of the area should be developed green by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines. The entire plantation work should be completed in 3 years.	Proper green belt as mentioned will be developed in consultation with local DFO and local communities as per CPCB guidelines within stipulated time period.
x.	All the Ferro alloy slag shall be used in the preparation of building materials.	Will be complied.
xi.	The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address i) Standard operating process/procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and iii) System of reporting of non-compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Environmental policy has been already submitted to MoEFCC on 10.01.2018 . Standard operating procedure will be followed as stated in EMP. Already submitted on 10.01.2018. All the environmental issues are communicated to the top management in monthly MIS meeting and also to the Board of Directors quarterly through a systematic structured format by Head - Environment
xii.	An amount equal to Rs. 125 Lakhs, which is 2.5% of the total project cost (Rs. 50 Crores) shall be earmarked towards the Enterprise Social Commitment based on issues raised during the Public Hearing and needs of local people. Item-wise detailed plan with time bound action plan would be prepared as indicated by the project proponent and this plan shall be implemented. Action taken report in this regard shall be submitted to the Ministry's Regional Office.	To be followed during project execution as per proposal given ref. SI No. 12.0 of EC.
xiii.	The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.	Will be complied.
xiv.	The project proponent shall fully provide for LED lights in their offices and residential areas.	Will be complied.



xv.	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, mobile STP, 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.	Will be complied.
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PART B – General Conditions

i.	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.	Will be adhered to
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	We will not do any further expansion or modification in the plant without prior approval of MoEF&CC.
iii.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ , NO _x are anticipated in consultation with the SPCB . Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six month.	Four nos. proper monitoring stations will be installed with the consultation with SPCB before starting of operation. Data on ambient air quality and stack emission will be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six month.
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 31 st December ,1993 or as amended from time to time . The treated waste water shall be utilized for plantation purpose.	Will be complied.
v.	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 prescribed under EPA Rules ,1989 viz.75 db A (day time) and 70 dbA (night time)	Will be complied.
vi.	Occupational health surveillance of the worker shall be done on a regular basis and records maintained as per the Factories Act	Will be complied.
vii.	The company shall develop rain water harvesting structure to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Proper rain water harvesting structure Will be developed.
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 socio –economic development activities in the surrounding village like community	Will be complied.



	development programme ,educational programme ,drinking water supply and health care etc.	
ix.	Requisite funds shall be earmarked towards capital cost and recurring cost /annum for environment pollution control measures to implement the conditions stipulated by the Ministry Of Environment, Forest and Climate Change (MoEFCC) as well as the State Government .An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provide shall not be diverted for any other purpose.	Already submitted on 10.01.2018 Implementation schedule will be provided. Funds allocated for this will not be diverted.
x.	A copy of clearance letter shall be sent by the proponent to concerned Panchayats, Zila Prishad / 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 web site of the Company by the proponent	Clearance letter has been submitted to Haldia Municipality and Haldia Development Authority on 11.05.2017 copy of which was sent to your good office on 10.01.2018
xi.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Officer of the MoEF&CC at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely ; PM ₁₀ ,SO ₂ ,NO _x (ambient levels as well as stack emissions) or critical sectoral parameters ,indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	Will be complied.
/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 by e-mail) to the Regional Officer of MoEF&CC, the respective Zonal Office of CPCB and the SPCB .The Regional Office of this Ministry at Bhubaneswar /CPCB/SPCB shall monitor the stipulated conditions.	Is being followed.
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 Environmental (Protection) Rules, 1986, as 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 sent to the respective Regional Office of the MoEF&CC at Bhubaneswar by e-mail.	Will be complied after commissioning.



xiv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and climate Change (MoEF&CC) AT http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Bhubaneswar.	Already Complied copy of which submitted to your office on 10.01.2018.
xv.	Project authorities shall inform the Regional Office as well as the Ministry: i)The date of financial closure ii)Final approval of the project by the concerned authorities iii) The date of commencing the land development work.	Project to be done out of internal accrual. Received NOC from WBPCB valid up to 31.08.2024. Started on 02.04.2018

