

The Chief Conservator of Forests (Central)
Eastern Regional Office
Ministry of Environment & Forests
Government of India
A/3, Chandrashekharpur,
Bhubaneshwar – 751023, Odisha.

TSL/PG/ENV/ 125 /2016 May 26, 2016.

Dear Sir,

Sub: Half Yearly Compliance Report (Oct '15 to March '16) for Environmental Clearance to M/s Tata Steel Ltd. for 55,000 TPA High Carbon Ferro-Chrome Plant, 4,00,000 TPA Rebar Mill and 1.2 MGD Desalination Plant at Gopalpur villages Chamakhandi, Sindhigaon and Jagannathpur, Tehsil Chhatrapur, District Ganjam, Odisha.

We are enclosing the Half Yearly Compliance Report for the period October 2015 to March 2016 for the conditions stipulated in Environmental Clearance to the above referred project vide MoEF's letter No. J-11011/55/2011-IA.II(I) dated 14th August 2012 and amended EC dated 08th August 2014, for your kind consideration. The copy of the compliance report is also being sent in the soft format to e-mail id (mef@nic.in) for your kind perusal.

We wish to mention that all the necessary actions are being taken in compliance to the specific and general conditions of Environmental Clearance granted to the project.

We trust that the information furnished is in line with your requirement.

Thanking You,

Yours faithfully,

For TATA STEEL Ltd.,

Md. Pervez Akhtar Chief Gopalpur Project.

Encl. a/a

Copy to:

1. Member Secretary, Odisha State Pollution Control Board, Bhubaneswar.

2. Member Secretary, Central Pollution Control Board, Kolkata;

3. Regional Officer, State Pollution Control Board, Berhampur.

TATA STEEL LIMITED

GOVT. OF INDIA F & CC, Eastern R.O.

RECEIVED



The Chief Conservator of Forests (Central)
Eastern Regional Office
Ministry of Environment & Forests
Government of India
A/3, Chandrashekharpur,
Bhubaneshwar – 751023, Odisha.

TSL/PG/ENV/ 125 /2016 May 26, 2016.

Dear Sir,

Sub: Half Yearly Compliance Report (Oct '15 to March '16) for Environmental Clearance to M/s Tata Steel Ltd. for 55,000 TPA High Carbon Ferro-Chrome Plant, 4,00,000 TPA Rebar Mill and 1.2 MGD Desalination Plant at Gopalpur villages Chamakhandi, Sindhigaon and Jagannathpur, Tehsil Chhatrapur, District Ganjam, Odisha.

We are enclosing the Half Yearly Compliance Report for the period October 2015 to March 2016 for the conditions stipulated in Environmental Clearance to the above referred project vide MoEF's letter No. J-11011/55/2011-IA.II(I) dated 14th August 2012 and amended EC dated 08th August 2014, for your kind consideration. The copy of the compliance report is also being sent in the soft format to e-mail id (mef@nic.in) for your kind perusal.

We wish to mention that all the necessary actions are being taken in compliance to the specific and general conditions of Environmental Clearance granted to the project.

We trust that the information furnished is in line with your requirement.

Thanking You,

Yours faithfully,

For TATA STEEL Ltd.,

Md. Pervez Akhtar Chief Gopalpur Project.

Encl. a/a



Copy to:

- 1. Member Secretary, Odisha State Pollution Control Board, Bhubaneswar.
- 2. Member Secretary, Central Pollution Control Board, Kolkata;
- 3. Regional Officer, State Pollution Control Board, Berhampur.

TATA STEEL LIMITED



The Chief Conservator of Forests (Central) Eastern Regional Office Ministry of Environment & Forests Government of India A/3, Chandrashekharpur, Bhubaneshwar - 75,1023, Odisha.

TSL/PG/ENV/ 125/2016 May 26, 2016.

Dear Sir,

Sub: Half Yearly Compliance Report (Oct '15 to March '16) for Environmental Clearance to M/s Tata Steel Ltd. for 55,000 TPA High Carbon Ferro-Chrome Plant, 4,00,000 TPA Rebar Mill and 1.2 MGD Desalination Plant at Gopalpur villages Chamakhandi, Sindhigaon and Jagannathpur, Tehsil Chhatrapur, District Ganjam, Odisha.

We are enclosing the Half Yearly Compliance Report for the period October 2015 to March 2016 for the conditions stipulated in Environmental Clearance to the above referred project vide MoEF's letter No. J-11011/55/2011-IA.II(I) dated 14th August 2012 and amended EC dated 08th August 2014, for your kind consideration. The copy of the compliance report is also being sent in the soft format to e-mail id (mef@nic.in) for your kind perusal.

We wish to mention that all the necessary actions are being taken in compliance to the specific and general conditions of Environmental Clearance granted to the project.

We trust that the information furnished is in line with your requirement.

Thanking You,

Yours faithfully,

For TATA STEEL Ltd.,

Md. Pervez Akhtar

Chief Gopalpur Project.

Encl. a/a

Copy to:

1. Member Secretary, Odisha State Pollution Control Board, Bhubaneswar.

Member Secretary, Central Pollution Control Board, Kolkata;

3. Regional Officer, State Pollution Control Board, Berhampur.

TATA STEEL LIMITED



The Chief Conservator of Forests (Central)
Eastern Regional Office
Ministry of Environment & Forests
Government of India
A/3, Chandrashekharpur,
Bhubaneshwar – 751023, Odisha.

TSL/PG/ENV/ 125 /2016 May 26, 2016.

Dear Sir,

Sub: Half Yearly Compliance Report (Oct '15 to March '16) for Environmental Clearance to M/s Tata Steel Ltd. for 55,000 TPA High Carbon Ferro-Chrome Plant, 4,00,000 TPA Rebar Mill and 1.2 MGD Desalination Plant at Gopalpur villages Chamakhandi, Sindhigaon and Jagannathpur, Tehsil Chhatrapur, District Ganjam, Odisha.

We are enclosing the Half Yearly Compliance Report for the period October 2015 to March 2016 for the conditions stipulated in Environmental Clearance to the above referred project vide MoEF's letter No. J-11011/55/2011-IA.II(I) dated 14th August 2012 and amended EC dated 08th August 2014, for your kind consideration. The copy of the compliance report is also being sent in the soft format to e-mail id (mef@nic.in) for your kind perusal.

We wish to mention that all the necessary actions are being taken in compliance to the specific and general conditions of Environmental Clearance granted to the project.

We trust that the information furnished is in line with your requirement.

Thanking You,

Yours faithfully,

For TATA STEEL Ltd.,

Md. Pervez Akhtar Chief Gopalpur Project.

Encl. a/a

Copy to:

- Member Secretary, Odisha State Pollution Control Board, Bhubaneswar.
- 2. Member Secretary, Central Pollution Control Board, Kolkata;
- 3. Regional Officer, State Pollution Control Board, Berhampur.

TATA STEEL LIMITED

Sl. No.	Specific Conditions	Compliance/Status
1	The proponent shall obtain necessary CRZ clearance under the provision of CRZ Notification, 2010	Our project has been granted CRZ Clearance under the provision of CRZ Notification, 2010 on 18.03.2013 vide letter no. F No. 11-63/2012-IA.III from MoEF&CC (IA Division).
2	No Charcoal shall be used as fuel. Pet Coal should be used as fuel instead of charcoal from unknown sources.	Charcoal will not be used for plant operations. Rather, Coal shall be used as fuel.
3	Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emission below 50 mg/Nm3	 Continuous emission monitoring facilities for all process stacks has been installed. Fume Extraction System with bag filters and ID fan has been installed to control emission. Adequate stack height for submerged arc furnace has been maintained.
4	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Air Quality standards conforming to NAAQS vide GSR 826(E) has been referred for air quality monitoring and is being complied.
5	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 be followed.	Water sprinkling by mobile tankers is being carried out on a regular basis so as to control the fugitive emissions.
6	The total water requirement shall not exceed 5.5 MLD. 'Zero" effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises.	Effluent Treatment Plant (ETP) & Sewage Treatment Plant (STP) is under final stage of construction for treatment of wastewater and no wastewater shall be discharged outside the premises and treated water shall be reused for green belt development & maintenance.
7	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 mented from other sources.	f already in place to store the rain water during the monsoon.

SI. No.	Specific Conditions	Compliance/Status
7	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.	A water reservoir of 6 lakhs liter capacity is already in place to store the rain water during the monsoon.
8	Regular monitoring of influent 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 Environment (Protection) 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' Regional Office at Bhubaneswar, SPCB and CPCB.	 Regular monitoring of Air Quality, surface water, ground water as well as sea water quality is being carried out by MoEF registered laboratory at various locations within and around the project site. Report is enclosed as Annexure – II. Leachate study for effluent generated during plant operation has been proposed. Reports pertaining to the same shall be submitted to the respective authority periodically.
9	All the Ferro chrome slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) Test. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.	
10	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.	submitted to the MoEF vide letter no. OP- Env/C-04/52/2012 dated 12.11.2012 along with a copy to Eastern Regional Office, MoEF and Odisha State Pollution Control Board, Bhubaneswar.
11	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 20th September, 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 a Bhubaneswar.	c hearing is under implementation on a continuous basis as per allocated budget.

SI. No	Specific Conditions	Compliance/Status
12	As proposed green belt should be developed in at least 33% of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	33% green belt has been planned over a period of 5 years and is being taken up in phase wise manner. Around 45000 saplings have been planted with survival rate greater than 90%. For this year, indigenous species shall be planted in consultation with DFO.
13	At least 5% of the total cost of the project should be earmarked towards the 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 Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	 Separate budget has been earmarked for the CSR activities, community as well as peripheral development activities such as Health, Drinking water, Education, Environment etc. and is being done by our TSRDS wing. Around 5.27 crores have been spent towards the above mentioned activities in FY 2015-16 (Refer Annexure I)
14	The Company shall provide housing for 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.	 Rest sheds with toilet, safe drinking water facilities, routine health check-up facilities have been provided for the labours working at project site. Temporary housing with basic amenities for the construction workers has also been provided.
15	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process / procedure to being 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 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.	

Sl. No.	General Conditions	Compliance/Status
1	The project authorities must strictly adhere to the stipulations made by the Orissa State Pollution Control Board and the State Government.	Stipulations made by State Govt. & OSPCB will be adhered at all times.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Amendment to Environmental Clearance was granted by MoEF&CC vide File no. J-11011/55/2011-IA II (I) on 08.08.2014.
3	The gaseous emissions from various process units shall confirm to the load/mass based standards notified by the Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The Process units have been designed conforming to the load/mass standards as notified by the Ministry in order to have the gaseous emissions under control and below the prescribed limits.
4	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2 and NOX 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 months.	Ambient Air Quality Monitoring is being carried out at six different locations. Environment Monitoring Report is being submitted to the Ministry Regional Office at Bhubaneswar every six months. PM 10: 36.7 – 58.0 PM 2.5: 16.3 – 27.5 SOx: 9.4 – 14.5 NOx: 11.2 – 16.4 CO: 145 – 279 *Note: (Concentrations are expressed in µg /m³)
5	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Wastewater generated will be treated in Effluent Treatment Plant conforming to the standards and treated wastewater will be used for plantation activities.
6	The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) 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 (night time).	During hight time: 40.9 – 65.5 dB(A) Acoustic hoods, silencers and sound proof enclosures have been provided at various

SI No.	General Conditions	Compliance/Status
7	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular Medical check-up for the workers is being done prior to the issue of their gate pass to work inside the site and records for the same is being maintained.
8	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	A water reservoir of 6 lakhs liter capacity is already in place to store the rain water post monsoon.
9	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 villages like community development programs, educational programs, drinking water supply and health care etc.	 indicated in the EIA and EMP report has been implemented. Socio-economic developmental activities in the area of Health, Education, Sports, agriculture, and infrastructure development are being carried out in the surrounding and periphery villages. 5 no. of Mobile Medical Units catering to the surrounding villages are in operation.
10	Requisite amount 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 and Forests 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 provided shall not be diverted for any other purpose.	Green Beit Development — 5.2 Grores
11	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 put on the web site of the company by the proponent.	Bodies in Aug 2012. • Environment Clearance letter has been uploaded on the Tata Steel website www.tatasteel.com

Sl. No.	General Conditions	Compliance/Status
12	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent the Regional Office of the MoEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOX (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	 Last six monthly compliance reports have been uploaded to the company's website www.tatasteel.com. Electronic multi-line display board has been installed on 5th June 2014 which displays the results of the monitored data i.e. ambient air quality, noise level, and water quality at the main entrance of the project site. The compliance reports are being sent to the Regional Office, MoEF and the respective zonal office of CPCB and SPCB.
13	the company in the public domain. 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 email) to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB/ SPCB shall monitor the stipulated conditions.	Last Six Monthly Compliance report for the period April 2015 to Sept 2015 was submitted to MoEF/OSPCB Regional Office both in hard as well as soft copy on 30.10.2015.
14	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put or the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF a Bhubaneswar by e-mail.	year FY'15 was submitted to OSPCB, regional office MoEF and CPCB on 26 th September 2015 and the same has been uploaded in our website www.tatasteel.com.

SI. No.	General Conditions	Compliance/Status
15	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 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 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 should be forwarded to the Regional Office at Bhubaneswar.	Complied. Paper advertisement details are as follows; a. Odia: SAMBAD, Page No. 9 b. English: The New Indian Express, Page no. 5 Advertisement details have been submitted to the MOEF Eastern Regional Office at Bhubaneswar on 19.08.12 and were also attached with the 1st Half Yearly compliance Report.
16	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.	 through internal accruals. Ground leveling activities was started on

Annexure - I

SI. No.	Expenditure Head	Amount
1	Drinking water	659668.71
2	Health	16180751.41
3	Education	168552.82
4	Skill Development	576981.51
-	Agriculture	3954096.70
6	Emp.	2607631.82
7	Environment	4696
8	Sports	36420
9	Infrastructure	22651789.16
10	Other prog (Ethnicity)	6607
	Common Exp./Administration	5780312.71
11	TOTAL	5,26,27,508