



U/C

The Additional P.C.C.F. (Central)
Eastern Regional Office
Ministry of Environment & Forests
Government of India
A/3, Chandrashekharpur,
Bhubaneswar – 751 023, Odisha

KPO/Env/C-05/79/2015

Date: 23.11.2015

Dear Sir,

Sub.: Six monthly Compliance Report for April-15 to September-15 for Environmental Clearances in respect of 6.0 MTPA Integrated Steel Plant of M/s. Tata Steel at Kalinganagar Industrial Complex, Duburi, Dist. Jajpur, Odisha.

Ref.: EC Granted by MoEF vide Letter No. J-11011/7/2006-IA-II(I) dated 7.11.2006.

: Amendments in EC granted by MoEF vide Letters No. J-11011/7/2006-IA-II(I) dated 10.12.2012 and 13.05.2015

Kindly find enclosed Six Monthly Compliance Report for the period from April 2015 to September 2015 for the conditions stipulated in Environmental Clearance including amendments granted in EC to 6.0 MTPA Integrated Steel Plant of Tata Steel Limited at Duburi, Dist. Jajpur, Odisha for your kind considerations.

Copy of the compliance report is also being sent in soft format through e-mail (mef@ori.nic.in) for your kind perusal.

We trust the information furnished is in line with your requirement,

Thanking you,

Yours faithfully,

U S Parkhi
Head, Environment, KPO

Encl. a/a

Copy to MS, OSPCB, Bhubaneswar / CPCB Kolkata



TATA STEEL LIMITED

Odisha Project Kalinga Nagar Industrial Complex, Duburi, Jajpur, Odisha Pin 755 026 India

Registered office Bombay House 24 Homi Mody Street Mumbai 400 001

Tel. 91-22 66658232, Fax. 91-22 66657724

Corporate Identity Number L27100MH1907PLC000260

Website: www.tatasteel.com

Six Monthly Environment Compliance Report
April 2015 to Sept 2015
For
Integrated Steel Plant Project of Tata Steel
At
Duburi, Dist. Jajpur, Odisha



Environment Department
Tata Steel Limited
Kalinganagar Industrial Complex
Duburi- 755026
Dist Jajpur, Odisha

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

	Additional Safeguards vide letter dated 13.5.2015	Status as on date
2i)	Project proponent should install 24x7 air and water monitoring devices to monitor the air emission and effluent discharge, as provided by Central Pollution Control Board (CPCB) and submit the report to Ministry and its Regional office	<ul style="list-style-type: none"> On-line stack monitoring systems for stacks have installed for Coke Battery No.2 and Hot Strip Mill Stacks of CPP1, SP, BF, etc the on-line stack emission monitoring system is being installed. Water monitoring device as per CPCB guidelines is proposed to be installed for effluent discharge. It may please be noted that units of the integrated steel units is being commissioned sequentially.
2ii)	For Wet quenching: permission to start the coke ovens with wet quenching till CDQ is stabilized by June 2016, thereafter maintain wet quenching as a standby and use for 20 days (3 weeks) in a year or per annum for maintenance or operation exigencies	<ul style="list-style-type: none"> Wet quenching system for Battery No. 2 is in operating conditions and that for Battery No. 1 is under commissioning stage. CDQ unit for Battery No. 1&2 is also under construction and is being expedited to complete the job in scheduled time.
2iii)	For LDO: Use of LDO for generation of power in power plants and DG set till Blast Furnace gas is available for power generation in power plants and there after maintain LDO as "Standby" and use for 15 days(two weeks) per annum for maintenance or operational exigencies.	Noted and will be followed.
	Additional Conditions vide letter dated 10.10.2012	Status as on date
i)	The company shall install low NOx burners to mitigate NOx emissions from captive power plant.	Low NOx burners, 8 Nos for each boiler for all the three boilers of captive power plant have been installed to control NOx emissions.
ii)	Data on ambient air, stack and fugitive emission shall be regularly submitted online to Ministry's Regional Office at Bhubaneswar and Central Pollution Control Board as well as hard copy once in six months and display data on PM10, SO2 and NOx outside the premises at the appropriate place for the general public.	<ul style="list-style-type: none"> At present, only Battery No.2 is in operations and CPP1 & Hot strip Mill is commissioned after obtaining Consent to Operate (CTO) from OSPCB. Sinter Plant, Blast Furnace, Air Separation Unit & Battery No.1 have been granted CTO and will be commissioned soon. Units of integrated steel plant need to be commissioned sequentially. Latest AAQ data which is being monitored in & around the site on 24 hourly basis at 7 locations is summarized as follows: PM10 : 42.13 to 51.44 µg/m3 PM2.5 : 25.03 to 29.62 µg/m3 SO2 : 09.48 to 11.53 µg/m3 NOx : 10.63 to 12.88 µg/m3 CO : 0.13 to 0.22 mg/m3 AAQ data is displayed at the entrance of the project site for information to general public in non-electronic form. Electronic display is being commissioned. Out of 7, 4 No.s of Online Continuous AAQ stations have been planned in Phase -I of the project. Out of four, two numbers of online Continuous AAQ stations have been installed inside plant premises. Stack emission monitoring system for battery#2 as well as for Hot Strip Mill is installed and being commissioned.
iii)	The National Ambient Air Quality Standard issued by the Ministry vide GSR No. 826(E) dated 16th	Air Quality standards conforming to NAAQS vide GSR 826 (E) has been referred for air quality monitoring

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

	November, 2009 shall be followed.	and review.
	Additional Conditions vide letter dated 10.10.2012	Status as on date
iv)	The project proponent shall also submit six monthly reports on the status of the compliances of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. The Regional Office of the Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	We are submitting the six-monthly compliance report in stipulated time. Last Six-monthly compliance reports for the period Oct'14 to Mar'15 was submitted to MoEF/ OSPCB Regional Office both in hard as well as soft copy on 28.05.15.
v)	The environmental statement for each financial year ending 31 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 website of the company along with the status of compliances of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by e-mail.	<ul style="list-style-type: none"> • Environment Statement for 2014 -15 was submitted to OSPCB on 26 Sept 2015 and the same for 2015-16 will be submitted before 30.09.2016 • Both, Environment Statement and Status of Compliance of EC conditions have been uploaded on company's website. (www.tatasteelindia.com)
vi)	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 the environmental or forests norms/ conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliances to the environmental clearances conditions and (iii) system of reporting of noncompliance/ violation of environmental norms to the Board of Directors of the Company and/or shareholders.	<ul style="list-style-type: none"> • Corporate Environmental Policy was submitted to MoEF, New Delhi vide our letter no. TSL/DEL/805/2013 dated 8.1.2013. • Copy of the same was also submitted to MoEF, Bhubaneswar Office.
A	Specific Conditions as per EC dated 7.11.2006	Status as on date
i)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The state Boards may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. On-line continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit. Nox burners shall be installed to control NOx levels. VOCs from the coke oven shall be monitored and controlled as per CPCB guidelines. The new standards prescribed by the CPCB for coke oven plants shall be strictly followed.	<ul style="list-style-type: none"> • Process units such as Coke Plant, Sinter Plant, Blast Furnaces, SMSs, Mills have been designed conforming to the load/mass standards notified by the Ministry in order to have the gaseous emissions under control and below the prescribed limits. • Online stack monitoring systems have been installed for Coke Plant Battery No.2 and Hot Strip Mill. The systems are also being installed at, Sinter Plant, BF, SMS, etc to monitor emission levels online. • VOC from coke plant is controlled by On-main charging by HPLA, Hydraulic doors, Door sealing, Door frame cleaner, etc. as per CPCB guidelines and the systems for Battery No.2 are already completed. • Low NOx burners are installed at CPP1 (8 nos for each boilers in all three boilers) and in HSM reheating furnace (84 Nos)

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

A	Specific Conditions as per EC dated 7.11.2006	Status as on date
ii.	<p>In-plant control measures for checking fugitive emissions from all the vulnerable sources like coke oven area, Sinter Plant, BF case house, BF stack house, and BOF shop etc. shall be provided. Further, specific measures like water sprinkling and dry fogging (DF) shall be carried out at the stock piles of raw materials, stacker reclaimer, conveyor transfer points and vibrating screens etc. Dust extraction system and bag filter shall be provided for room air cleaning such as sinter plant stock house, BF stock house and BF cast house, BOF shop and Ferro-alloys handling area in steel melting shop etc. Fume extraction system in steel refining units shall also be provided. Centralized de-dusting system i.e. collection of fugitive emissions through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack of appropriately designed and height conforming to the standards for induction furnaces in the industry shall be provided. Fugitive emissions shall be controlled, regularly monitored and records maintained.</p>	<ul style="list-style-type: none"> • New standards prescribed by CPCB for coke ovens are being followed. • During construction phase: <ul style="list-style-type: none"> ○ Water sprinkling on construction roads is being done by truck mounted water tankers to control dust emission. ○ To suppress fine dusts, specially designed vehicle for mist type sprinkling of water (through movable High Pressure Mechanized Water jet) has been deployed. ○ Speed limits are enforced for movement of vehicles at the site as per the factory limits ○ Most of the main roads (about 18 kms) within the plant site are metaled and remaining is under progress. • Fugitive emission controls at all the vulnerable points have been considered by dust suppression, dry-fog, Dust/ Fume extractions systems, etc. as applicable in Raw Material Handling System, Sinter Plant, Coke Plant, BF Stock & Cast Houses, BOF Shops, Lime Plant, etc. • All the stacks have been designed and installed to meet the requirement of stack heights as per guidelines, for proper dispersion and dilution of pollutants.
iii.	<p>ESP shall be provided to sinter plant and blast furnace. New standards prescribed by the CPCB for coke oven shall be strictly followed. The Company shall install Waste Heat Recovery Boilers (WHRB) to recover the waste heat and generate power from the steam produces by the WHRB. The particulate emissions from the WHRB shall be controlled by installation of ESP as per CPCB specification and particulate emissions shall not exceed 50mg/Nm³. Further, the company shall install bag filter, After Burner Chamber (ABC), suction hood, dust extraction device and fume extraction system to control gaseous emissions from the WHRB.</p>	<ul style="list-style-type: none"> • ESPs with higher efficiency have been provided to Sinter plants, Blast Furnaces etc. • Coke oven plant is designed to comply with new standards prescribed by CPCB for Coke Oven. • Waste Heat Recovery Boilers have been installed to recover waste heat which in turn shall be used for in- house power generation from the steam produces by WHRB. • Pollution Control Systems have been designed as per CPCB guidelines to control PM emissions below 50 mg/Nm³. • Particulate emissions will be less than 50 mg/Nm³.
iv.	<p>Total requirement of the water from Brahamani /Kharsua river shall not exceed 26.5 MGD. No ground water shall be drawn and used for the plant. The effluent quantity into the industrial drain leading to the Gonda Nalla shall not exceed 92m³/hr and shall conform to the prescribed standards. Ammonia, phenol and cyanide in the effluent should be treated separately and discharged only after meeting the norms prescribed by the OSPCB/CPCB/Ministry under E(P) Act. Cyanide shall meet the standard of 0.2 ppm. TDS in the effluent discharged shall not be more than 2,100 mg/l. The domestic wastewater after treatment in STP shall be used for green belt development.</p>	<ul style="list-style-type: none"> • Make up water requirement for the plant is <26.5 MGD. Present water consumption during construction is around 1 MGD. • Total effluent discharge envisaged is < 92m³/hr and it meets the standards prescribed by MoEF/ CPCB/OSPCB before discharge into Gonda Nalla. • Ammonia, Phenol, Cyanide from Coke Oven plant shall be treated separately in BOD plant meant for the treatment of effluent generated from Coke Plant. The BOD plant has been commissioned and is under stabilization. Necessary action has been taken for microbial culture started in June '15. The microbial growth is in progress. • Domestic wastewater shall be treated in the centralized STP and treated water shall be utilized for plantation purposes. For treatment of domestic effluents generated from temporary offices/

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

		<p>colonies, septic tanks & soak pits are provided.</p> <ul style="list-style-type: none"> • No groundwater shall be used for plant operations.
v.	Ground water monitoring around the solid waste disposal site/secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OPCB.	<ul style="list-style-type: none"> • Base line data regarding ground water level & quality is available. • Ground water monitoring will be done post operation of secured landfill, and reports will subsequently be submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and Regional officer, OSPCCB.
A	Specific Conditions as per EC dated 7.11.2006	Status as on date
vi.	BF slag shall be sold to the cement manufacturers after granulation. Non-granulated BF slag shall be used in road making. BOF slag shall not be dumped anywhere except used for making cement and road etc. proposed in EIA/EMP. Ammonia and tar shall be recovered and remaining solid waste shall be burnt. Gas cleaning plant sludge and mill scales shall be reused in the sinter plant. Char generated shall be used in FBC boiler. The kiln accretions shall be utilized for filling low lying areas. The entire quantity of fly ash generated during the process shall be utilized for making brick. ESP fly ash shall be made available to the cement plants and brick making plants whereas bottom ash shall be disposed off in a suitably designed landfill as per CPCB guidelines to prevent leaching to the sub-soil and underground aquifer.	<ul style="list-style-type: none"> • Installation of online slag granulation process for BF slag is under process. • For transporting slag to cement units, wagon loading facilities is being developed. • Non-granulated BF slag shall be used for road making; non-granulated BOF slag will be used for road making and cement making. • In COBPP, we have provision of Tar and Sulphur recovery systems, which will be sold as by-products. • Gas cleaning plant is being made ready in BF & SMS. • Provision for recycling of mill scales from mills to sinter plant has also been made.
vii.	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.	<ul style="list-style-type: none"> • Surface run-off during the monsoon have been collected and stored in the reservoirs constructed under rain water harvesting schemes. • Storm water pond with necessary pumping arrangement of storm water in raw water system is completed. • Rain water harvesting structures are being planned in RCC buildings as well as in low lying areas.
viii.	Green belt shall be developed in at least 33% area within and around the plant premises as per the CPCB guidelines in consultation with DFO.	<ul style="list-style-type: none"> • Green Belt cover is being continuously developed within and around the project site, as well as outside the plant premises (rehabilitation colonies). <p><u>Details of tree saplings planted:</u></p> <p>2009-10: 792 nos. . 2013-14: 29888 nos 2010-11: 1130 nos. . 2014-15: 35437 nos 2011-12: 4800 nos. . 2015-16: 55602 nos. 2012-13: 12622 nos .</p> <ul style="list-style-type: none"> • Avenue plantation is being taken up at Jajpur town, Kalinganagar and Bhubaneswar. • During the monsoon period of 2016-17, we propose to plant about 1 lakh trees.
ix.	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	<ul style="list-style-type: none"> • Initial & Periodic medical check-up for workers are being done and records for the same are maintained as per the Factories Act. • To strengthen the Occupational Health Surveillance, a system has been made, in which, employee's Gate Pass is issued only after ensuring the initial medical check-up.
x.	Recommendations made in the CREP guidelines issued for the steel plants shall be implemented.	<ul style="list-style-type: none"> • CREP recommendations are being implemented at KPO and summarized below:

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

		<ol style="list-style-type: none"> 1. Coke Ovens: Fugitive emission control system is in place. All the batteries are new one and having coal stamp cum charging technology 2. SMS: Secondary fume extraction system is being installed. 3. BF: Coal injection facilities are being installed in Blast Furnaces of KPO. TRT, Tar Free Runners, Cast House DE system, etc are also provided. 4. Specific water consumption is envisaged to be less than 8 m³/t of flat product. 5. Online monitoring facilities are being installed. 6. Waste management systems are being implemented.
A	Specific Conditions as per EC dated 7.11.2006	Status as on date
xi.	Rehabilitation and Resettlement plan shall be implemented as per the revised R&R policy and in collaboration with the State Government in a time bound manner and report submitted to the Ministry, its Regional Office at Bhubaneshwar and OPCB.	<ul style="list-style-type: none"> • 1057 out of 1234 families have been rehabilitated within the framework of "Tata Steel Parivaar" concept as per R & R policy of Odisha Govt. in consultation with the local administration. A dedicated team is working to facilitate the rehabilitation of balance families effectively as per progress of project.
xii.	The environmental clearance for the mining project and forest clearance for the forest land involved in the mining project shall be obtained from the Ministry prior to operation of the integrated Steel Plant. In case, environmental clearance for the mining proposal from State Govt/Govt. of India is not available, Ministry shall be regularly informed about the source of ore and coal.	<ul style="list-style-type: none"> • The matter is being pursued with State and Central Government. • Coal is being imported. • Source of iron ore is mainly from the mines of Tata Steel in Odisha.
B.	General Conditions as per EC dated 7.11.2006	Status as on date
i.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government	<ul style="list-style-type: none"> • During 4project execution and subsequent operation phases TSL will strictly adhere to stipulation made by OSPCB and the state Government
ii.	No further expansion or modification in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	<ul style="list-style-type: none"> • Amendments in the Environmental Clearance were granted by MoEF on 10.10.2012 and on 13.05.2015 vide letters no. J-11011/7/2006-IA.II.(I).
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 SPM, SO ₂ and NO _x are anticipated in consultation with the OPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhopal and the OPCB/CPCB once in six months.	<ul style="list-style-type: none"> • Latest AAQ data as monitored in and around the site on 24 hourly basis at more than four locations is as follows; <ul style="list-style-type: none"> PM10 : 42.13 to 51.44 µg/m³ PM2.5 : 25.03 to 29.62 µg/m³ SO₂ : 09.48 to 11.53 µg/m³ NO_x : 10.63 to 12.88 µg/m³ CO : 0.13 to 0.22 mg/m³
iv.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	<ul style="list-style-type: none"> • Individual units such as Coke plant, HSM, SMS shall have their own effluent treatment plants for recovery & reuse. • Excess treated water from individual treatment plant will be sent to Central Effluent Treatment Plant (CETP). CETP is being constructed with tertiary treatment for recycle and re-use of treated water.

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

		<ul style="list-style-type: none"> Treated wastewater will be also be used for plantation, dust suppression & other uses. 									
v.	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 (nighttime).	<ul style="list-style-type: none"> Low noise prone rotary equipment and vibration dampening has been one of the design aspects as a control measure for noise pollution. Provision of acoustic hoods, silencers in steam ejectors as well as sound proof enclosures have also been made at various internal sites. Ambient Noise levels are measured at various locations and noise levels observed during the reporting period are <ul style="list-style-type: none"> < 54.1 dBA in day time < 47.7 dBA in night time 									
B.	General Conditions as per EC dated 7.11.2006	Status as on date									
vi.	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 programmes, educational programmes, drinking water supply and health care etc.	<ul style="list-style-type: none"> Environmental protection measures as proposed in the EIA and EMP report is being implemented. Various socio-economic developmental activities in the area of Health, Women Empowerment, Education, Sports & culture, Infrastructure development etc. are on-going in 28 villages surrounding the project site. Recently, 5 medical mobile units have been added for immediate treatment to the local people. 									
vii.	The project authorities shall utilize Rs.1,525.00 Crores earmarked for the environmental pollution control measures judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Funds earmarked for the environmental pollution control measures are being utilized only for the said purpose.									
viii.	The Regional Office of this Ministry at Bhopal/CPCB/OPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	<p>Six monthly compliance reports are being submitted regularly.</p> <p>Last Report Sent on 28.05.2015.</p>									
ix.	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 OPCB/Committee and may also be seen at Website of the Ministry of Environmental and Forests at http://envfor.nic.in . This shall be advertises 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.	<p>Complied.</p> <p>Paper advertisement Details:</p> <table border="1"> <thead> <tr> <th><u>Newspaper</u></th> <th><u>Language</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>New Indian Express</td> <td>English</td> <td>13.06.06</td> </tr> <tr> <td>Sambad</td> <td>Odia</td> <td>13.06.06</td> </tr> </tbody> </table>	<u>Newspaper</u>	<u>Language</u>	<u>Date</u>	New Indian Express	English	13.06.06	Sambad	Odia	13.06.06
<u>Newspaper</u>	<u>Language</u>	<u>Date</u>									
New Indian Express	English	13.06.06									
Sambad	Odia	13.06.06									
x	Project authorities should inform 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.	Complied.									

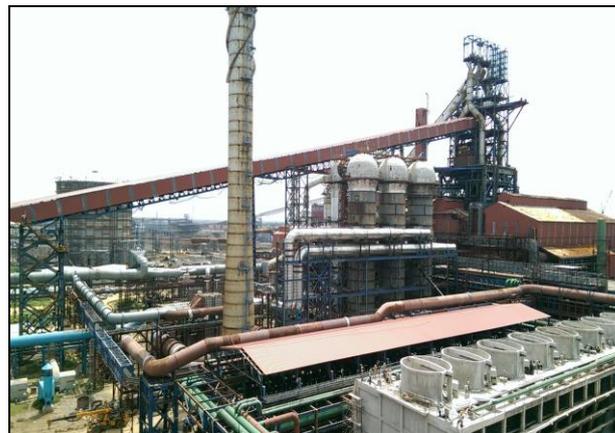
Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

Site Progress: A Glance

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015



Sulphur Recovery Unit at COBPP



Blast Furnace



CETP- Thickener & Filter Press



Water sprinkling (mist type) on internal roads



Sinter strand (sinter plant)



ESP installed at Sinter Plant

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015



Water Filtration system at HSM



De-dusting System installed at stock house



Air Separation Unit



New Plantation at project site



Plantation inside plant premises

Six Monthly Compliance Status (Apr'15 to Sep'15) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur, Odisha by M/s Tata Steel Ltd vide MoEF&CC's Letters No. EC No-J-11011/7/2006-IA.II(I) dated 7th Nov 2006, 10th Oct 2012 and 13th May 2015

World Environment Day Celebration



Environmental essay and drawing competitions



Environmental Quiz competition for employees



PUC check-up camp on World Environment Day'15



Massive tree plantation on the occasion of World Environment Day-2015