

Half Yearly Compliance Report

2025

01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	Pellet Plant (10 MTPA) and Producer Gas Plant (180000m3/hr) at Barbil, Deojhar,Keonjhar,Orissa by M/s Jindal Steel & Power Ltd.- Environment Clearance reg.				
Name of Entity / Corporate Office	Executive Director				
Village(s)	N/A				
District	KENDUJHAR				
Proposal No.	A/OR/IND/6437/2007	Category	Industrial Projects - 1		
Plot / Survey / Khasra No.	N/A	Sub-District	N/A		
State	ODISHA	Entity's PAN	*****7097D		
MoEF File No.	J-11011/78/2007-IA II(I)	Entity name as per PAN	Jindal Steel Limited		

Compliance Reporting Details

Reporting Year 2025

Remarks (if any)

Reporting Period 01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office	Executive Director				
	Project Area as per EC Granted	Actual Project Area in Possession			
Private	197.94	197.94			
Revenue Land	48.16	48.16			
Forest	0	0			
Others	0	0			
Total	246.1	246.1			

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Iron Ore Pellet	Million Tons per Annum (MTPA)	30/03/2030	10 MTPA	5.92	10 MTPA
2	Producer Gas	Cu.M/Hr	30/03/2030	180000	95266209	83700

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks and sufficient air pollution control devices viz. Electrostatic Precipitator (ESP). Cyclones with bag filters etc. shall be provided to the producer gas plant and induction furnace to control emission within 100 mg/Nm ³ and report submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OSPCB.
PPs Submission: Complied Dust suppression systems like dry fog, fixed type mobile fogging, water sprinkling system have been installed to reduce the RSPM levels in the ambient air quality. Online stack monitoring systems have been provided in Stacks. Electrostatic precipitator (ESP), cyclones with bag filters and wet scrubbers etc. have been installed to control process emissions within 100 mg/Nm ³ . Regular monitoring is being conducted and records maintained. Stack monitoring report attached as Annexure -1.		Date: 30/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	Gaseous emission levels including secondary fugitive emission from Pelletization plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by CPCB shall be followed and report submitted to the Ministry's regional Office at Bhubaneswar, CPCB and OSPCB.
PPs Submission: Complied Gaseous emissions, including secondary fugitive emissions from the Pelletization Plant, are being controlled within the permissible limits as prescribed by the Ministry and regular monitoring is being carried out to ensure compliance. The Guidelines and Code of Practice issued by the CPCB are being strictly followed. Compliance reports are being prepared and submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and the OSPCB as required.		Date: 30/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	In plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling shall be carried out at the raw material handling area. Fume extraction 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.
PPs Submission: Complied In-plant control measures have been implemented to minimize fugitive emissions from all vulnerable sources. Pollution control equipment such as bag filters, venturi scrubbers, dry fog systems, and water sprinklers have been installed at all critical points to effectively capture and suppress fugitive emissions. Additionally, regular water sprinkling is being carried out in raw material handling areas to reduce dust generation. A fume extraction system with suction hoods, followed by treatment through bag filters, has been provided for the induction furnace. Regular monitoring is being carried out and records maintained.		Date: 30/11/2025
4	WATER QUALITY MONITORING AND PRESERVATION	Total requirement of the water from Baitarani River shall not exceed 350 m ³ /hr. No ground water should be used. Blow down water shall be used for mixing pellets with additives. All the waste water will be treated in effluent treatment plant (ETP) and Sewage Treatment Plant (STP) and 100 percent treated wastewater shall be used inside the plant in process, dust suppression and green belt

		development. No wastewater shall be discharged outside the premises and Zero effluent discharge shall be ensured. The domestic wastewater after treatment in STP shall be used for green belt development.	
PPs Submission: Complied The water consumption is less than 350 m3/hr. No groundwater is being drawn for use in the pelletmaking process or for any other operations. Blowdown water is effectively recycled and used for mixing pellets with additives. The Effluent Treatment Plant (ETP) is designed to treat wastewater from the Producer Gas Plant, and a Mechanized Sewage Treatment Plant (STP) using FAB-based technology has been installed. The treated water is being utilized for dust suppression and horticultural activities to ensure compliance with environmental standards.No wastewater is discharged outside the premises, and Zero Discharge is strictly maintained.		Date:	30/11/2025
5	Statutory compliance	Prior Permission for the drawl of 350 m3/Hr. water from Baitarani river from the concerned department shall be obtained.	
PPs Submission: Complied Permission obtained from Department of Water Resources, Government of Odisha vide letter 28834 WR (C) 56/2008 dated 26.08.2008 for drawl of 350 m3/Hr. water.		Date:	30/11/2025
6	WASTE MANAGEMENT	A time bound action plan shall be prepared and submitting to the ministry and its Regional Office at Bhubaneswar to reduce solid waste,its proper utilization and disposal. All the fines from air pollution control system (APCS) shall be reused in pellet making. All the other solid wastes shall be properly disposed off in the environment-friendly manner. Coal tar generated as by product from Producer Gas Plant and oily waste shall be provided to authorized recyclers or reprocessors.	
PPs Submission: Complied Fines generated from the Air Pollution Control System (APCS) are being reused in the pelletmaking process.The Coal tar, generated as a by-product from the Producer Gas Plant, along with oily waste, is being sold to authorized recyclers for proper disposal within the specified timeline.The used oil generated from Pellet Plant is being sold to authorized recyclers on a regular basis.		Date:	30/11/2025
7	WASTE MANAGEMENT	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2003. Fly ash from power plant should be provided to brick manufacturing plants. Bottom ash shall be disposed off in a suitably designed land fill as per CPCB guidelines to prevent leaching to the sub-soil and underground aquifer. Toxic Chemical Leachability Potential (TCLP) analysis test for the bottom ash shall be carried out before disposal.	
PPs Submission: Complied No fly ash is being generated from our process. The coal ash generated from Producer gas plant (PGP) is stored in Ash storage area.		Date:	30/11/2025
8	WATER QUALITY MONITORING AND PRESERVATION	Ground water monitoring around the solid waste disposal site/ secured landfill (SLF) shall be carried out regularly and report submitted to the Ministrys Regional Office at Bhubaneswar, CPCB and OSPCB.	
PPs Submission: Complied Ground water monitoring is being carried out at regular intervals and records maintained. Ground water monitoring report attached as Annexure -II		Date:	30/11/2025
9	GREENBELT	As proposed green belt shall be developed in 33 percent area within and around the plant premises as per CPCB Guide lines in consultation with DFO.	

PPs Submission: Complied Green belt covering 33 percent of the area has been developed in and around the plant premises. More than 123262 saplings have been planted so far. The species planted have been selected in consultation with state Forest Officials with emphasis on native species. A Nursery has also been developed inside plant area with different local species.		Date: 30/11/2025
10	Statutory compliance	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel plants shall be implemented.
PPs Submission: Complied Corporate Responsibility for Environment Protection (CREP) recommended have been implemented.		Date: 30/11/2025
11	MISCELLANEOUS	Recommendations of the State Forest Department shall be obtained regarding likely impact of the proposed steel plant on the surrounding reserve/protected forests and implemented.
PPs Submission: Complied Complied		Date: 30/11/2025
12	MISCELLANEOUS	All the affected families shall be rehabilitated as per the Rehabilitation and Resettlement plan prepared in consultation with the State Govt. and shall be implemented as per the Rehabilitation and Resettlement (R and R) policy of the State Govt. in a time bound manner and report submitted to the Ministry, its Regional Office at Bhubaneswar and OSPCB.
PPs Submission: Complied All the affected families have been rehabilitated as per State Govt. Rehabilitation and Resettlement policy.		Date: 30/11/2025
13	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
PPs Submission: Complied Ambient Air Quality is being maintained within the National Ambient Air Quality Standards of 2009.		Date: 30/11/2025
14	AIR QUALITY MONITORING AND PRESERVATION	Vehicular pollution due to transportation of raw materials 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. Efforts shall also be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials shall be transported in covered trucks only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.
PPs Submission: Complied Raw materials are transported using covered trucks and racks, adhering to all environmental protection measures. Mobile water tankers are provided to suppress dust emissions during transportation. Fixed water sprinkling systems, dry fog systems, and bag filters have been installed at the loading and unloading points of raw materials and finished products.		Date: 30/11/2025
15	GREENBELT	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads.

PPs Submission: Complied All the Internal roads have been made black topped. Mechanized road sweeper machine (Dulevo make) is being used for cleaning the roads. Avenue plantation has been done along the road side as a part of green belt development.		Date: 30/11/2025
16	WATER QUALITY MONITORING AND PRESERVATION	Measures shall be taken to use maximum water from the rain water harvesting sources. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
PPs Submission: Complied We have already constructed ground water recharge structures inside our colony. Further, we have also constructed/ renovated check dams in peripheral/nearby villages over the nalla for recharging ground water aquifers in addition to renovation of village ponds around our plant.		Date: 30/11/2025
17	PUBLIC HEARING	All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 15.11.2007 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministrys Regional Office at Bhubaneswar.
PPs Submission: Complied Public commitments made during the Public Hearing are being implemented regularly as per the allocated budget.		Date: 30/11/2025
18	Corporate Environmental Responsibility	CSR schemes shall be identified based on Public Hearing issues and need based assessment in and around the villages within 10 km of the site and in constant consultation with the village Panchayats and the District Administration. As part of CSR, prior identification of local employable youth and eventual employment in the project after imparting relevant training and retraining if necessary, shall also be undertaken.
PPs Submission: Complied Need-based CSR activities such as education and skill development, health and hygiene, rural road development and communication, infrastructure development, rural drinking water, rural sanitation, and rural electrification are being implemented.		Date: 30/11/2025
19	Statutory compliance	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored date on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Bhubaneswar. The respective Zonal Offices 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 the company in the public domain.
PPs Submission: Complied Six-monthly compliance reports, incorporating all environmental monitoring data for the period, are being submitted to the MoEF, its Regional Office at Bhubaneswar (BBSR), CPCB, SPCB, and other relevant authorities. Separate environmental parameters display board has been installed at the main gate of the pellet plant, where the monitored results are displayed.		Date: 30/11/2025
20	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as in 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 compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF at Bhubaneswar by e-mail.
PPs Submission: Complied The Environmental Statement for each financial year in Form-V is being submitted regularly. The status of compliance with the Environmental Clearance conditions is also being submitted regularly to the Regional Office of MoEF and CC at Bhubaneswar.		Date: 30/11/2025
21	Statutory compliance	The company shall comply with all the conditions stipulated in the environmental clearance of even no. dated 1.8.2008.
PPs Submission: Complied Complied		Date: 30/11/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OSPCB) and the State Government.
PPs Submission: Complied The Company is adhering to the stipulations made by Odisha State Pollution Control Board and State Government is being complied.		Date: 30/11/2025
2	Statutory compliance	No Further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests
PPs Submission: Complied Agreed		Date: 30/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	The Gaseous emissions from the various process units shall conform to the load/mass based standards notified by this 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. At no time, The emission level shall go beyond the prescribed standards. Online 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 of emission level exceeds the limit.
PPs Submission: Complied The Gaseous emission from various process units is being monitored at regular interval and the emissions are conforming to the prescribed standard. Online continuous monitoring system has been installed in stack to monitor SPM and interlocking system has been provided.		Date: 30/11/2025
4	AIR QUALITY MONITORING AND PRESERVATION	At least four ambient air quality-monitoring stations should be established in the downward directions as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission should be regularly submitted to the Ministry including its Regional Office at Bhubaneswar and the OSPCB/CPCB once in six months.

PPs Submission: Complied Ambient air quality monitoring stations have been installed in consultation with Odisha State Pollution Control Board (OSPCB). We have also installed 02 nos. of continuous ambient air quality monitoring system (CAAQMS) and 01 no. of CAAQM mobile van. Ambient Air Quality Monitoring report is attached as Annexure-III		Date: 30/11/2025
5	WATER QUALITY MONITORING AND PRESERVATION	Industrial waste water 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.
PPs Submission: Complied The effluent generated from the Producer Gas Plant is treated in the Effluent Treatment Plant, and the treated water is used for road sprinkling and plantation purposes		Date: 30/11/2025
6	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards 85 dB (A) by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all source of noise generation. The ambient noise level should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB A (daytime) and 70 dB A (night time)
PPs Submission: Complied Following actions have been taken to minimize noise pollution: a. Acoustic hoods, silencers, and enclosures have been provided on all noise-generating sources to reduce noise levels to 85 dB(A). b. High noise areas are kept unmanned as far as possible. c. Use of earplugs/muffs has been made mandatory for personnel working in noisy areas. d. Rotation of duties is ensured to minimize exposure. The ambient noise levels are within the prescribed permissible limits.		Date: 30/11/2025
7	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied We have already constructed ground water recharge structure inside our colony. Further, we have also constructed/ renovated check dams in peripheral/nearby villages over the nalla for recharging ground water aquifers in addition to renovation of village ponds around our plant.		Date: 30/11/2025
8	Human Health Environment	Occupational Health Surveillance of the workers shall be done on regular basis and records maintained as per the Factories Act.
PPs Submission: Complied Occupational health checkup of the workers is being carried out on regular basis and the records are being maintained by Occupational Health Centre as per the Factories Act.		Date: 30/11/2025
9	Corporate Environmental Responsibility	The project proponent shall also comply with all the environmental protection measures and safeguard recommended in 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.
PPs Submission: Complied We have complied with the environmental protection and safeguard measures recommended in the EIA/EMP report. Efforts have been made for socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc. Details are given in Annexure-IV		Date: 30/11/2025
10	MISCELLANEOUS	As proposed the project authorities shall earmark Rs 87.00 Crores and Rs. 8.00 Crores towards the capital cost and recurring cost/annum

		respectively for environmental protection measure and use judiciously to implement the conditions stipulated by Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
PPs Submission: Complied Complied.Necessary funds have been earmarked for environmental protection.		Date: 30/11/2025
11	Statutory compliance	The Regional Office of the Ministry at Bhubaneswar/CPCB/OSPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
PPs Submission: Complied Six monthly compliance report along with the monitored data is being submitted to Regional office regularly.		Date: 30/11/2025
12	MISCELLANEOUS	The Project Proponent shall inform the public that the project has been accorded environment clearance by the Ministry and copies of the clearance letter are available with the OSPCB and may also be seen at the Website of Ministry of Environment and Forests at http://moef.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 shall be forwarded to the Regional Office.
PPs Submission: Complied Complied		Date: 30/11/2025
13	MISCELLANEOUS	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.
PPs Submission: Complied Date of Financial approval: 02.05.2008. Date of Financial closure: 31-03-2010.		Date: 30/11/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.		