



JUSL/JRD/ENV/2019-20/06

Date: 27.05.2019

To

The Joint Director,
Ministry of Environment, Forest & Climate Change,
Eastern Regional Office,
A/3, Chandrasekharapur,
Bhubaneswar – 751023

Sub: Half Yearly Compliance Report on Environmental Clearance for the period from October 2018 to March 2019.

Ref: Environmental Clearance vide Letter No. IA-J-11011/110/2018-1A II (I), dated 25.05.2018 for 1.6 MTPA Hot Strip Mill along with Plate Finishing Facilities.


Dear Sir,

With reference to the above Environment Clearances, please find enclosed herewith the half yearly compliance report (both soft and hard copy) on Environmental Clearance for the period from October 2018 to March 2019 for 1.6 MTPA Hot Strip Mill along with Plate Finishing Facilities.

Thanking You,

Yours faithfully,

For M/s. Jindal United Steel Limited


Rahul Himatsingka
(Director)



Enclose: As Above

CC:

1. The Director, Industry – I, MOEF&CC, Indira Paryavaran Bhawan, Jor Bagh Road, Ali Ganj, New Delhi - 110003.
2. The In-Charge, Central Pollution Control Board, 502, Southend Conclave 4582, Rajdanga Main Road, Kolkata – 700017.
3. The Member Secretary, State Pollution Control Board, Odisha, A/118, Nilakantha Nagar, Unit – VIII, Bhubaneswar – 751012.



Jindal United Steel Limited

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**Status of compliance report environment clearance conditions of 1.6 MTPA Hot Strip Mill
along with plate finishing**

Ref: IA-J-11011/110/2018-1A II (I), dt. 25th May. 2018

A. SPECIFIC CONDITIONS:

S. No.	Condition	Compliance
i.	Bag filter shall be installed to control the emissions from PFS. Online continuous monitoring system shall be installed to monitor various pollutants and data submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OPCB. Dust suppression system shall be installed at raw material handling areas, material transfer points and solid waste dumps to control fugitive emissions. Water sprinkling shall be done on the roads to control fugitive emissions.	<p>Being complied.</p> <p>Bag filter having adequate capacity has been installed at shot blaster of PFS.</p> <p>We are in process for installing Online continuous monitoring system and the Purchase Requisition has been made.</p> <p>No dust suppression is required as the raw material for HSM is SMS slab, which is stored under shed with concrete flooring.</p> <p>The entire internal road is concrete and mechanical road sweepers are deployed for road cleaning.</p> <p>Photographs of Air Pollution Control system is enclosed as Annexure – I.</p>
ii.	No ground water shall be used for the plant. All the treated waste water shall be recycled and reused in the process and 'Zero' discharge shall be strictly adopted as per direction of OPCB. Effluent from Hot Strip Mill shall be treated in ETP and shall be reused. TDS in the effluent shall not be more than 2100 mg/l. The domestic waste water after treatment in STP shall be used for green belt development.	<p>Complied.</p> <p>No ground water is being used in the plant. Zero discharge is being maintained for the entire plant.</p> <p>Effluent generate from process is being treated in ETP and the treated water is completely reused in the process itself. TDS in the effluent is well within the prescribed limit. Photograph of ETP is enclosed as Annexure – II.</p> <p>The domestic waste water after treatment in STP is being reused for green belt development</p>
iii.	Ground water monitoring around the solid waste disposal site/ secured landfill (SLF) shall be carried out regularly and	Noted.

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	report submitted to the Ministry's Regional Office at Bhubaneswar / CPCB and OPCB.	
iv.	Solid waste shall be disposed of in secured landfill designed as per the specifications of the CPCB. Mill scale from Hot Strip Mill (HSM) shall be sold to the parent company (JSL) for recycling.	Being Complied. Mill scale generated from HSM is being stored in designated place and reused in Ferro Alloy plant of JSL.
v.	Green belt shall be developed within and around the plant premises as per the CPCB guidelines in consultation with DFO.	Being Complied. Green belt is already developed in and around the plant.

B. GENERAL CONDITIONS:

S. No.	Condition	Compliance
i.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.	Being Complied. JUSL is strictly adhering to the stipulations made by SPCB and the State Government.
ii.	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	Noted and agreed.
iii.	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 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. 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.	Being Complied. The gaseous emissions from various process units are being monitored by in-house Environmental Laboratory. The analysis reports are being submitted to SPCB and MOEF regularly. The gaseous emissions are conforming to the standards.
iv.	At least four ambient air quality-monitoring stations shall be established in	Complied.

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	the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x is anticipated in consultation with the OPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar/ OPCB/ CPCB once in six months.	4(four) nos. of AAQ monitoring stations have been installed at M/s. Jindal Stainless Limited, which is common for M/s. Jindal United Steel Limited and M/s. Jindal Stainless Limited; as the both plant are in same premises. Monitoring of Ambient Air is being carried out for PM ₁₀ , PM _{2.5} and other gaseous parameters. Online Monitoring data is being transmitted to both SPCB and CPCB server continuously. Both Stack Analysis report & ambient air quality is provided as Appendix-A .
v.	In-plant control measures for checking fugitive emissions from all the vulnerable sources of Hot Strip Mill area, shall also be provide. Fugitive emissions shall be controlled, regularly monitored and records maintained.	Being Complied. Fugitive emission monitoring is being carried out on regular basis and reports are submitted regularly.
vi.	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.	Being Complied. The plant is being maintained a zero discharge plant. Industrial waste water is treated to conform to prescribed standards and fully recycled / reused in the process and various in-house applications. An ETP has been installed for treatment of process water and the treated water is being reutilized in the process to reduce the fresh water consumptions. Photograph of the same is enclosed as Annexure – II .
vii.	The overall noise levels in and around the plant area shall be kept 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 EIA Rules, 1989 viz. 75 dBA (daytime) and 70 (dBA) night time.	Being Complied. Adequate measures have been taken to keep noise level within 85 dB(A) in and around plant area. Silencers, Acoustic Enclosures are provided to control noises, in various areas of the Plant. The Ambient Noise levels are conforming to the standards prescribed under EPA

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		Rules, 1989. Noise monitoring result are enclosed as Appendix-A.
viii.	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.	Complied. Rain water harvesting pit has been constructed to harvest the rain water / surface runoff water from plant catchment area.
ix.	Occupational Health Surveillance of the workers shall be done on a regular basis and record maintained as per the Factories Act.	Being Complied. Occupational health surveillance of the workers is being carried out on a regular basis and records are being maintained as per the Factories Act.
x.	Recommendations made in the CREP guidelines issued for the steel plants shall be implemented.	Being Complied. CREP guidelines are being followed.
xi.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP report for Hot Strip Mill.	Being Complied. The Plant has taken all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further the unit has undertaken various CSR related activities for peripheral development including community development, educational development, safe drinking water supply, good sanitation of the villagers etc and the CSR activities are common for M/s. JSL, M/s. JCL & M/s. JUSL. CSR report from October' 2018 to March' 2019 is enclosed as Annexure – III.
xii.	The project authorities shall utilize Rs. 4 Crores earmarked for the environment pollution control measures judiciously to implement the conditions stipulated by the Ministry Of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for other purpose.	Already Complied. We have already incurred more than Rs. 4 crores for environmental pollution control measures in Hot Strip Mill.
xiii.	The regional office of the Ministry at	Being Complied.

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	Bhubaneswar/ 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.	Six monthly compliance report and monitored data is being submitted to the Ministry regularly for undivided JSL. However for JUSL the half yearly compliance report is submitted timely.
xiv.	The project proponent shall inform to 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 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 shall be forwarded to the regional Office..	Complied. The copy of the same is attached as Annexure – IV .
xv.	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.	Complied.
xvi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xvii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner will implement these conditions	Noted.
xviii.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management & Handling) Rules, 2016 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Being Complied.