

F. No. J-11011/129/2007-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan  
Jor Bagh Road, Aliganj,  
New Delhi – 110003

E-mail: r.sundar@nic.in  
Tel: 011-24695304

Dated: 13<sup>th</sup> August, 2021

To

**Shri. Subrahmanya Shanbhogue Tantradi,**  
**Executive Director,**  
M/s. ArcelorMittal Nippon Steel India Limited,  
3-A, 3rd Floor, Fortune Tower,  
Chandrasekharapur, Bhubaneswar, Odisha- 751023  
Email: [ts.shanbhogue@amns.in](mailto:ts.shanbhogue@amns.in)

Subject: Proposal for Environmental Clearance for completion of balance work of 6 MTPA Pellet Plant (Unit-2) of 12 MTPA Pellet Plant by **M/s. ArcelorMittal Nippon Steel India Limited** located at Udayabata, Post- Paradip, Tehsil Kujang, **District Jagatsinghpur, Odisha – Environment Clearance – regarding.**

Sir,

This refers to your proposal no. **IA/OR/IND/204957/2021 dated 17/07/2021** through Parivesh Portal for grant of **Environmental Clearance (EC)** for the project mentioned above.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category '**A**' of item **3(a) 'Metallurgical Industries (Ferrous and Non-ferrous)**' of the Schedule to said Notification and appraised at **Central level**.
3. Accordingly, the above-mentioned proposal has been considered by the **Re-constituted EAC (Industry-I)** in its **41<sup>st</sup> meeting of the held on 29 - 30<sup>th</sup> July, 2021**. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in/>.
4. The details of the proposal are as per the EIA report submitted by the proponent. The salient features of the expansion proposal as presented during the above-mentioned meeting of EAC (Industry 1) are as under: -

S.No.	Particulars	Details
a.	Terms of Reference for undertaking EIA study	03/05/2021
b.	Period of baseline data collection	December, 2020 – February, 2021
c.	Date of Public Consultation	Exempted in pursuance to the S.O. 1247 (E) dated 18/03/2021 as 83% completion of construction work of one module of pellet plant.

o/c

S.No.	Particulars	Details
d.	Action plan to address the PH issues	An amount of Rs. 400 lakhs have been earmarked to address the issues based on Social Impact Assessment (SIA) conducted.
e.	Location of the project	Udayabata, Post- Paradip, Tehsil Kujang, District Jagatsinghpur, Odisha
f.	Latitude and Longitude of the project site	<b>For existing premises: 54.657 ha</b> Latitude: 20°18'55.03" N to 20°19'28.71" N Longitude: 86°38'37.24" E to 86°39'9.87" E <b>For additional: 6.475 ha</b> Latitude: 20° 19' 19.46" N to 20° 19' 31.36" N Longitude: 86° 38' 35.97" E to 86° 38' 59.31" E
g.	Total land	61.132 Ha
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Acquired Land: 54.657 ha. (135.06 Acres). Additional land to meet the Greenbelt requirement is 6.475 ha. (16 Acres) which is already under possession of proponent.
i.	Existence of habitation & involvement of R&R, if any	Nil
j.	Elevation of the project site	4 m AMSL
k.	Involvement of Forest land if any.	Nil
l.	Water body exists within the project site as well as study area	<b>Project Area:</b> Nil  <b>Study Area:</b> Mahanadi River- 0.2 km (N) Athrabanki River- 2.7 km (S) Nuna River- 4.02 km (NW) Bay of Bengal- 7.18 km (E)
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Bhitarkanika Wildlife Sanctuary; 6.0 km North from the project site. The Eco Sensitive Zone for Bhitarkanika Wildlife Sanctuary was issued by MoEF&CC vide S.O.1601 (E) dated 16/06/2015. As per the said notification, the ESZ varies from 560 meters to 2 kms width from the boundary of the Bhitarkanika Wildlife Sanctuary. It was informed that the project site is located at a distance of 5.39 km from the boundary of the ESZ and permission from Standing Committee for National Board of Wildlife is not applicable. The details of reserved forests exist in the study area is given as below: Sanatubi RF- 7.4 km NE Kharanasi RF – 9.88 km NE
n.	Project cost	INR 1450 Crores

S.No.	Particulars	Details
o.	EMP cost	INR 15.57 Crores
p.	Employment opportunity	1157 Nos
q.	Water and Power requirement	Water – 20448 KLD, Power - 61 MW

**Unit configuration and capacity:**

S No	Name	Existing Units		Proposed units		Total (Existing + Proposed)	
		Configur ation	Production TPA	Configur ation	Production TPA	Configur ation	Production TPA
i	Pelletization Plant	1 x 6MTPA	60,00,000 TPA	1 x 6 MTPA	60,00,000 TPA	2 x 6 MTPA	1,20,00,000

5. The Re-constituted EAC (Industry-1) EAC in its 41<sup>st</sup> meeting held on 29 - 30<sup>th</sup> July, 2021, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the paragraph given below.
6. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1) hereby decided to grant Environment Clearance for instant proposal of **M/s. ArcelorMittal Nippon Steel India Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

**A. Specific conditions**

- i. No construction activity/infringement will take place in flood plain of Mahanadi river located at a distance of 0.20 kms from the boundary of the plant site. Project proponent shall maintain the plant level at least 4.0 meters above MSL and strengthen the existing bund/embankment along the Mahanadi river.
- ii. Particulate matter emission from all the stacks shall be less than 30mg/Nm<sup>3</sup> by installing bag filters with PTFE membrane. PM emission limit of 30 mg/Nm<sup>3</sup> for the operational 6.0 MTPA pellet plant module, shall be achieved by upgrading the existing air pollution control devices by December, 2022.
- iii. Water requirement for the project after expansion (852 m<sup>3</sup>/hr) shall be met from water recovered from iron ore slurry and Taladanda Canal. Ground water abstraction shall not be permitted.
- iv. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of MoEFCC.
- v. Fugitive emissions at work place shall be monitored monthly and report furnished to the concerned Regional Office of MoEFCC.
- vi. 40 % total land shall be covered under green belt development. This includes green belt development of 20-meter-wide towards Udayabata Village which is 600 m from the plant boundary. In addition to the 40% greenbelt mentioned above, green cover shall be developed in 16 acres of buffer area created between plant boundary and Mahanadi River as committed by the project proponent.

- vii. Project proponent shall switch over to Natural Gas fuel from LSHS/LDO by December, 2022.
- viii. Monitoring of the compliance of Environmental Clearance conditions shall be carried out by a third party and report shall be submitted to the Regional Office of the MoEF&CC.

**B. General conditions**

**I. Statutory compliance:**

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

**II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- iii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- v. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.
- vii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

**III. Water quality monitoring and preservation**

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iii. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (F) 31st March 2012 (applicable to IF/EAF) as amended from time to time.

- iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

**IV. Noise monitoring and prevention**

- i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

**V. Energy Conservation measures**

- i. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

**VI. Waste management**

- i. Used refractories shall be recycled as far as possible.  
ii. Kitchen waste shall be composted or converted to biogas for further use.

**VII. Green Belt**

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

**VIII. Emergency preparedness**

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.  
ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.  
iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

**IX. Environment Management**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.  
ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.  
iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.

**X. Miscellaneous**

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of


- which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
  - iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  - iv. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
  - v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  - vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  - vii. The project proponent 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, commencing the land development work and start of production operation by the project.
  - viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  - ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  - x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  - xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  - xiv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

7. This issues with the approval of the Competent Authority.

  
(Sundar Ramanathan)  
Scientist 'E'

**Copy to:-**

1. Secretary, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
2. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar – 751023.
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. Chairman, Odisha State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
5. Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. District Collector, Jagatsinghpur District, Odisha.
7. Guard File/Record File/Monitoring File.
8. MoEF&CC Website

  
(Sundar Ramanathan)  
Scientist 'E'