

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

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi – 110003
E-mail: r.sundar@nic.in
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Dated: 24th June, 2021

To

Shri. Sabyasachi Mohanty,
General Manager,
M/s. ArcelorMittal Nippon Steel India Limited,
Udaya Bata, Paradeep,
Dist- Jagatsinghpur (Odisha) – 754 142
E-mail: ts.shanbhogue@amns.in ; Mob. 7381007215

Subject: Change of the Company Name in Environment Clearance titled “ 1x6 MTPA Iron Ore Pellet Plant located at Paradeep, District Jagatsinghpur, Odisha” from M/s. Essar Steel Orissa Limited to M/s. ArcelorMittal Nippon Steel India Limited –regarding.

Ref.: (i) MoEF&CC letter No. J-11011/129/2007-IA.II(I) dated 29/05/2008
(ii) Online proposal no. IA/OR/IND/206293/2021 dated 16/06/2021

Sir,

1. Reference is invited to your online proposal no. **IA/OR/IND/206293/2021** dated 16/06/2021 by M/s. ArcelorMittal Nippon Steel India Limited requesting to Change of the Company Name in Environment Clearance accorded by MoEF&CC vide letter no. J-11011/129/2007-IA.II(I) dated 29/05/2008 from M/s. Essar Steel Orissa Limited to M/s. ArcelorMittal Nippon Steel India Limited.
2. The Ministry of Environment, Forest and Climate Change (MoEF&CC) has examined the request submitted by you and the following points are noted;
- i. The project was originally accorded environmental clearance in the name of M/s. Essar Steel Orissa Limited vide letter no. J-11011/129/2007-IA-(II) dated 29/05/2008 for setting up of 6 MTPA integrated steel plant under the provisions of EIA Notification, 2006.

ii. Detail of Consent to Establishment/ Consent to Operate:

Date	Details
19/07/2008	Consent to Establish issued from State Pollution Control Board (SPCB) Orissa for the facilities as per EC dated 29/05/2008.
16/03/2021	CTO issued by SPCB, Orissa to M/s. ArcelorMittal Nippon Steel India Limited for Iron Ore Pellet Plant of 6.0 MTPA. CTO is valid up to 31/03/2023.

iii. According to the records made available by the project proponent, following is the present status of the project.

Change of the Company Name in Environment Clearance titled “ 1x6 MTPA Iron Ore Pellet Plant located at Paradeep, District Jagatsinghpur, Odisha ” from M/s. Essar Steel Orissa Limited to M/s. ArcelorMittal Nippon Steel India Limited.

o/c

S No	Units	As per EC dated 29/05/2008	Implementation status as on 16/06/2021	Production as per CTO dt. 16/03/2021
		Capacity		
1.	Pelletization Plant	12.0 MTPA	Completed 100% installation of 1x6 MTPA Iron Ore Pellet Plant and 83% installation of 1x6 MTPA pellet plant	1x6 MTPA Iron Ore Pellet Plant
2.	Blast Furnace with Pig casting machine	2x4200 m ³	Not implemented	Nil
3.	Basic Oxygen furnace	3x250 T	Not implemented	Nil
4.	Steel melting & Continue casting shop		Not implemented	Nil
	Ladle Furnace	1x250T	Not implemented	Nil
	RH-TOP	1x250T	Not implemented	Nil
	Slab Caster	2x2 strand, 1x1 strand	Not implemented	Nil
5.	Oxygen Plant (BOO Basic)	2x2200 TPD	Not implemented	Nil
6.	Lime	3x500 TPD	Not implemented	Nil
7.	Dolo Plant	1x500 TPD	Not implemented	Nil
8.	Captive Power plant	225 MW (BF gas based)	Not implemented	Nil
9.	Sinter plant	1 MTPA	Not implemented	Nil

iv. Reasons for change of company name in EC:

Through Corporate Insolvency Resolution Process (CIRP), the assets of M/s. Essar Steel Orissa Limited have been acquired by M/s. ArcelorMittal Nippon Steel India Limited. Subsequently, the company name changed from M/s. Essar Steel Orissa Limited to M/s. ArcelorMittal Nippon Steel India Limited as per Certificate of Incorporation issued by Ministry of Corporate Affairs, Govt. of India dated 08/01/2019.


S No	Name of Company	CIN no
1.	M/s. Essar Steel Orissa Limited	U27100GJ1976FLC013787
2.	M/s. ArcelorMittal Nippon Steel India Limited	U27100GJ1976FLC013787

v. Documents submitted for change of company name in EC:

- Form no 7 for change of company name in Environment Clearance dated 29/05/2008.
- Undertaking dated 14/06/2021 of M/s. ArcelorMittal Nippon Steel India Limited in a non-judicial stamp paper stating that they will abide/obey all the environment safeguards/ terms & condition stipulated in the original Environment Clearance dated 29/05/2008.
- Hon'ble Supreme Court Judgement dated 15/11/2019 regarding CIRP process
- Certificate of Incorporation issued by Ministry of Corporate Affairs, Govt. of India on 08/01/2019 pursuant to change of name from M/s. Essar Steel Orissa Limited to M/s. ArcelorMittal Nippon Steel India Limited.

- M/s. ArcelorMittal Nippon Steel India Limited has authorized to Mr. Subrahmanya Shanbhogue Tantradi as lawful attorney of the company as per Undertaking dated 15/02/2020 of M/s. ArcelorMittal Nippon Steel India Limited in a non-judicial stamp paper.
3. It is inferred from above that all the project facilities envisaged in the Environment Clearance dated 29/05/2008 have not been implemented within EC validity period as detailed in the table given at paragraph 2(iii) above.
 4. In view of the above, the Environment Clearance is hereby transferred from M/s. Essar Steel Orissa Limited to M/s. ArcelorMittal Nippon Steel India Limited, only to the facility implemented within the Environment Clearance validity period i.e. 6 MTPA iron ore pellet plant. Further, transfer request of the proponent for remaining unimplemented facilities is hereby rejected and project proponent shall apply for fresh Environment Clearance under the provisions of EIA Notification, 2006.
 5. This Ministry hereby accepts your request for change of company name in Environment Clearance accorded vide letter no. J-11011/129/2007-IA-(II) dated 29/05/2008 from M/s. Essar Steel Orissa Limited to M/s. ArcelorMittal Nippon Steel India Limited subject to satisfactory compliance to all the stipulated specific and general conditions.
 6. M/s. ArcelorMittal Nippon Steel India Limited shall comply with the all specific and general conditions stipulated in the Environment Clearance letter of even no. dated 29/05/2008.
 7. In case, there is a change in the scope of the project, fresh Environment Clearance shall be obtained.
 8. This issues with the approval of the Competent Authority.

Yours faithfully,


(Sundar Ramanathan)
Scientist 'E'

Copy to:-

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


(Sundar Ramanathan)
Scientist 'E'

F.No. J-11011/129/2007-1A II(I)
Government of India
Ministry of Environment & Forests
(I.A. Division)

Paryavaran Bhawan
C.G.O Complex,
Lodhi Road,
New Delhi-110003
E-mail:pb.rastogi@nic.in
Telefax:011-24367668
Dated : 29th May,2008

To,

Essar Steel Orissa Limited
3-A, Fortune Towers, Chandrasekharapur,
Bhubaneswar-751023, Orissa

E-mail : jarafat@essar.com; Fax No.:011-29837874/29844370/0674-2301217

Subject: Integrated Steel Plant (6.00 MTPA) along with captive power plant (225 MW) at Paradeep, Jagatsingpur, Orissa by M/s Essar Steel Orissa Limited- Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated 21st November, 2007 along with Application in Form-I, Terms of References, Pre-Prefeasibility Report, EIA/EMP Report and subsequent Clarifications furnished by you vide letters dated 27th February, 2007, 18th October, 2007, 5th February, 2008 and 2nd April, 2008 for environmental clearance on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that Proposal involves Integrated Steel Plant (6 MTPA) along with Captive Power Plant (225MW) at Paradeep, Jagatsingpur, Orissa; Beneficiation Plant (10.7 Million throughput) at Dabuna and underground slurry pipeline from Dabuna to Paradeep in Phase-I. 'Terms of Reference' for the Iron Ore Beneficiation Plant and tailing pond have been awarded by the Ministry vide letter no. J/11015/876/2007-IA II(M) dated 7th December, 2007. Low grade Iron ore (58-61% Fe) will be beneficiated to high grade iron ore (64-68% Fe) and will be sent to Pelletisation Plant in the form of slurry. Hard enriched iron ore balls will be used for making steel in Phase-II or exported through Paradeep Port. Following major plant facilities will be provided:

Phase-I		Phase-II	
Plant	Capacity	Plants	Capacity
Pelletization Plant	12.0MMTPA	Blast Furnace with Pig Casting Machine	2x4200 m3
		Basic Oxygen Furnace	3x250 t
		Steel Melting & Continuous Casting shop	
		Ladle Furnace	1x250 t
		RH-TOB	1x250 t

		Slab Caster	2x2 strand; 1x1 strand
		Oxygen Plant(BOO Basis)	2x2200 TPD
		Lime	3x500TPD
		Dolo Plant	1x500 TPD
		Captive Power Plant	225 MW(BF gas based)
		Sinter Plant	1 MTPA

Total land required for the proposed project will be 1925.42 acres (1663.47 acres of private land and 261.95 acres Govt. Land) and will include 30 acres of Forest Land and have applied to the State Forest Department for forest land transfer. No National Park and Wild Life Sanctuary is located within 10 km radius of the project site. Three villages including 207 families(960 persons) will be affected and rehabilitation and resettlement (R&R) will be implemented as per the Orissa Govt. Policy. Permission for dredging of sand from the Mahanadi River has been accorded by the State Govt. to level the land acquired. Total cost of the project is Rs.9982.50 crores.

3.0 Steel Production will be carried out using Blast Furnace (BF)- Basic Oxygen Furnace (BOF) preceded by a Pellet Plant and resort to slab caster. No coke oven plant will be installed. Instead coke will be imported from China or Australia.

4.0 Electrostatic Precipitator(ESP), gas cleaning plant, bag filters and dust suppression system will be provided to control gaseous emissions from the steel plant as well as thermal power plant within 100mg/Nm³. Total Water Requirement from Taldanda Canal will be 2582 m³/hr and have applied to the State Govt. for the permission. All the waste water will be treated in effluent treatment plant(ETP) and recycled in the process and/or used for dust suppression and green belt development. ESP fines from the Pellet Plant will be recycled and reused in the Pellet Plant itself. BF flue dust,BOF Sludge etc. shall be recycled and reused in the process. Sludge from the BF Plant,SMS slag and dust from the steel making shop will be used in the sinter plant.Splashes,Skulls and scale from the BF Plant will be used in steel making shop.Slag from slab caster will be used in steel making.Granulated slag from blast furnace will be provided to cement manufacturers.

5.0 Public Hearing/Public Consultation meeting was held on 14th September ,2007

6.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September,2006 subject to strict compliance of the following specific and general conditions.

A. SPECIFIC CONDITIONS :

- i) Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted.
- ii) On-line stack monitoring facilities for all the stacks and sufficient air pollution control devices provided viz. ESP, bag filters, scrubbers, cyclones etc. to control emissions from all the sources including captive power plant shall be provided to keep emission levels below 100 mg/Nm³ and report submitted to the Ministry 's Regional Office at Bhubaneswar, CPCB and OPCB.

- iii) Gaseous emission levels including secondary fugitive emissions from blast furnace, sinter plant and power plant shall be controlled within the latest permissible units issued by the ministry and regularly monitored. Guidelines / code of practices issued by the CPCB shall be followed and report submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OPCB.
- iv) In-plant control measures for checking fugitive emissions from all the vulnerable sources like Sinter Plant, BF , BOF Shop and Steel melting shop etc. shall be provided. Further specific measures like water sprinkling and dry fogging shall be carried out at the stock piles of raw material, stacker reclaimer, conveyor transfer points and vibrating screens etc. Fume extraction system in steel refining units shall also be provided. Centralized de-dusting system ie, 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 of induction furnaces in the industry shall be provided. Fugitive emissions shall be controlled, regularly monitored and records maintained.
- v) Electrostatic Precipitator (ESP) shall be provided to Pellet Plant, Blast Furnace(BF),Sinter Plant and Power Plant and particulate emissions shall not exceed 100mg/Nm³. Gas Cleaning Plant shall be provided to BF. Bag filters shall be provided to Pellet Plant, BF, SMS, Lime and Dolomite Plant. Gas recovery holder and secondary air exhaust with bag house shall be provided to SMS. Dust suppression system shall be provided to raw material storage and handling area, Sinter Plant. Emissions from transfer points in material handling plant shall be controlled by dust extraction system.
- vi) Total requirement of water from Taldanda Canal shall not exceed 2582 m³/hr .The waste water from Blast Furnace and steel melting shop shall be treated in effluent treatment plant(ETP). The acidic and alkaline waste water from De-mineralization Plant shall be treated in neutralization pit, scale pit, settling tank, filters and oil skimmers shall be provided to continuous casting shop. All the treated waste water shall conform to the norms prescribed by OPCB /CPCB and Ministry under E(P) Act. The domestic waste water after treatment in STP shall be used for green belt.
- vii) Prior permission for the drawl of 2582 m³/hr of water from Taldanda Canal from the concerned department shall be obtained.
- viii) Ground water monitoring around the solid waste disposal site/secured land fill (SLF) shall be carried out regularly and report submitted and report submitted to the Ministry's Regional Office at Bhubaneswar, CPCB, OPCB.
- ix) ESP fines from the Pellet Plant shall be recycled and reused in the Pellet Plant. Sludge from BF Plant, slag and dust from steel making shop shall be used in the Sinter Plant. All the Blast Furnace (BF) slag shall be granulated and provided to cement manufacturers. Splashes ,skull and scale from the BF Plant shall be used in Steel Making Shop .Scrap from the slab caster shall be used in steel making.SMS slag shall be used in the Sinter Plant. All other solid wastes shall be properly disposed off in environment friendly manner. Used oil shall be sold to recyclers.
- x) A time bound action plan shall be submitted to the Ministry and its Regional Office at Bhubaneswar to reduce solid wastes, its proper utilization and disposal.
- xi) As proposed, green belt shall be developed in 485 acres out of total 1925.42 acres and efforts shall be made to develop green belt further to cover 33% area within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- xii) All the recommendations made in Charter on Corporate Responsibility for Environmental Protection (CREP) for Steel Plant shall be implemented
- xiii) No coke oven plant shall be installed without taking prior environmental clearance from the Ministry

- xiv) Prior environmental clearance shall be taken for Beneficiation Plant and all the stipulated environmental conditions shall be implemented satisfactorily
- xv) Prior permission from the State Forest Department regarding impact of proposed project on Mangrove Swamp and recommendations suggested shall be implemented
- xvi) No construction activity on the Forest Land shall be initiated without taking prior forest clearance from the concerned Central/State Govt.
- xvii) 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 Bhubaneswar and OPCB

GENERAL CONDITIONS:-

- i) The Project Authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) 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
- iii) The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 13th May,1993 and standards specified 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.
- iv) 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, SO₂ and NO_x are anticipated in consultation with OPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the OPCB/ CPCB once in six months.
- v) 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 waste water shall be utilized for plantation purpose.
- vi) The overall noise levels in and around the plant area shall be kept well 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 EPA Rules,1989 viz.,75 dBA(Day time) and 70 dBA(Night time)
- 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.
- viii) Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- ix) 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.
- x) As proposed, the project authorities shall earmark Rs.450 crores and Rs.10 crores for capital cost and recurring cost per annum respectively for environmental protection measures and use 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 any other purpose.

- xi) The Regional Office of this Ministry at 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.
 - xii) 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 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 news papers 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.
 - xiii) 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 of the land development work.
- 7.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory
- 8.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.
- 9.0 Any appeal against the environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997
- 10.0 The above conditions will be enforced, inter-alia under the provisions of the Water(Prevention and Control of Pollution) Act,1974 and Air (Prevention and Control of Pollution) Act,1981, The Environmental (Protection) Act,1986, Hazardous Waste (Management and Handling) Rules,2003 and The Public(Insurance) Liability Act,1991 along with their amendments and rules.

Sd/-
(Dr. P.B.Rastogi)
Director

Copy to :-

- 1.0 The Secretary, State Department of Environment, Govt. of Orissa, Bhubaneswar, Orissa
- 2.0 Chairman, Central Pollution Control Board, Paribesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032
- 3.0 Chairman, Orissa Pollution Control Board, Paribesh Bhavan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar-751012,Orissa
- 4.0 The Chief Conservator of Forests(Eastern),Regional Office(EZ), A/3,Chandrasekharapur, Bhubaneswar-751023,Orissa
- 5.0 Joint Secretary,(CCI-I),Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi
- 6.0 Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi
- 7.0 Monitoring Cell
- 8.0 Guard File
- 9.0 Record File

Sd/-
(Dr.P.B.Rastogi)
Director

