

Ref No: AMNS/VIZAG/EC(EXP)/H1(FY 2025-2026)/MOEFCC/11-17

To.

The Jt. Director(S),

Integrated Regional office, Ministry of Environment, Forest &Climate change,

Greenhouse Complex,

Vijayawada - 520010, AP.

E-mail:iro.vijayawada-moefcc@gov.in, iro.vijayawada-moefcc@gov.in.

Date:

17th November, 2025.

Sub:

Submission of Half Yearly Compliance reports for the EC granted for Expansion of iron ore pelletisation plant from 7 MTPA to 11 MTPA for the period from April'25 to Sep'25 - Submitted

regarding.

Reference -

1) MoEF File No: - J-11011/131/2022-IA. II (IND-1) and EC Identification No:

EC23A1006AP5290681N

2) MoEF&CC's notification vide S.O- 5845(E), dt. 28th Nov 2018.

Dear sir,

We are hereby submitting the Half yearly compliance report for the period from April '25 to September'25 on the status of the implementation of the conditions stipulated in the environmental clearance accorded to us vide MoEFCC File No. J-11011/131/2022-IA. II (IND-1) dated 25.07.2024 in respect of M/s ArcelorMittal Nippon Steel India Private Limited Visakhapatnam A.P. Also, a copy of this report has been marked to the E-mail id of your good office.

This is for your kind perusal and records. Thanking you.

Yours Faithfully.

For, ArcelorMittal Nippon Steel India Private limited.

M. Ravindranath
(Executive director)

Encl:1. Half yearly compliance report, compliance period: April'25 to September'25.

CC

The Director(s), Compliance and monitoring Division, Ministry of Environment, Forest and climate change, Indhira paryavaran bahavan, Jhor bagh road, Aliganj, New Delhi -110 003.

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The member secretary (industrial projects-III)
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The Member secretary,
Andhra pradesh pollution control Board,
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Half-Yearly Compliance Report for the period April'25 to September'25 to the Environmental Clearance Granted for Expansion of Iron Ore Pelletization from 7.0 MTPA to 11.0 MTPA in existing plant area of 110 acre.

Name of the Company	M/s ArcelorMittal Nippon Steel India Private Limited, Visakhapatnam
Name of the Project	Expansion of Iron Ore Pelletization from 7.0 MTPA to 11.0 MTPA in existing plant area of 110 acre located at Survey No. 15A, Kancharapalem, Near Flyover, Scindia Road, Vishakhapatnam Urban, Vishakhapatnam district, Andhra Pradesh by M/s ArcelorMittal Nippon Steel India Private Limited (Formerly Essar Steel India Limited)
EC Identification No.	EC23A1006AP5290681N
File No.	J-11011/131/2022-IA. II (IND-1)
Compliance Status for the Period	April'25 to September'25 - Half yearly compliance report

for all countries.

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	n wise Compliance Report -		
S.no	Specific Condition	Compliance status	Remarks
1	This Environmental clearance is granted subject to outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Being Complied	Noted and will be complied
2	The project proponent	Being	Environment Protection Measures
	shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	complied	 Details of ESP, Bag filters, Scrubbers are provided to keep the dust level within the stipulated limit. Efficiency of APCS is being measured time to time by an accredited 3rd party agency and meeting the stipulated standards. Environmental monitoring is being carried out by accredited 3rd party agency and reports submitted. to pollution control board on monthly basis. Regular Preventive Maintenance is also done to ensure that all the air pollution control equipment. installed in the plant shall be working efficiently.
3	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Being complied	 The GHG assessment study report for the FY-25 has been completed and the final report will be submitted in the next half yearly compliance period. AMNS India has maintained the estimated CO2 sequestration from the existing green belt is about approximately 625.11 tCO2 e/Year. Further we have been planning the following actions to reduce GHG emissions: Implementation of Change of fuel Project from LSHS to Natural gas is under progress as per below update. ✓ We have been constantly pursuing with GAIL PNGRB/ govt of AP for expediting the supply of Natural Gas Implementation of Solar renewable energy project of capacity 750 KW for which work orders have been issued.
4	The project proponent shall complete the land lease agreement registration prior to commence of expansion project.	Complied	 AMNSIPL has taken lease of VPA land measuring 148.38 acres for 30 Years from12/12/2023. Lease Allotment Letter with Ref.No. IENG/ESTATE/F100437/1415 dated 29.12.2023. VPA is actively considering the land lease agreement for the conveyor Right-Of-Way from plant to stockpile.
5	The project proponent shall monitor the health of the soil in the vicinity of the Plant (radius of 5 Km)	Complied	Soil samples were collected at 4 different locations within the facility and was analyzed by an NABL & MoEF&CC accredited 3 rd party agency M/s Team Labs.

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Countries.

	and report the data to the		
	IRO, MoEFCC once in a		
6	year.		
6	The nearest habitations to plant are Gnanapuram (0.9 km, E), Kancharpalem (0.9 km,NE), Velampeta (2 km, SE), Akkyapalem (2.8 km, NE) and Gandhigram (3.3 km, SW) from the project site boundary. Further, there is a school at 0.79 km from the project site along with other sensitive areas.	Being complied	Implemented plantation program towards east and northeast side of the plant by planting 3500 plants which are well grown with 100% surveillance rate with an expenditure of Rs 33,95,000 Lakhs which is protecting as a barrier.
	Proponent shall take		建筑原筑 图图图 1000 1000 1000 1000 1000 1000 1000
	appropriate environmental safeguard measures to minimize the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.		Further, Kancharpalem, Velampeta, Akkayapalem and Gandhigram have been covered in the monthly Environment Monitoring program by an MoEF&CC accredited 3 rd party agency M/s Team Labs. Consolidated monthly monitoring reports are submitted to APPCB.
7	There are two streams namely Mehadri Gedda (1.1 km, SW), Narava Gedda (1.7 km, W) align with Bay of Bengal (3.3 Km, E) and Meghadri Gedda Lake (9.2 km, NW) which exists within the study area. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	Complied	Hydrogeological studies were carried out at the AMNS site by Dr.V.Venkateswara rao (Prof of Geo- engineering, Andhra university). The following Soil conservation and soil erosion control measures are taken by the AMNS, Original soil in the Plant area consists of marine clay is designated as mud flats land surrounded by salt pans. It is originated under the marine environment consists of very fine silt and clay material. In the total area of the plant, about 51% area covered with greenery and water reservoir and the remaining covered with concrete/ asphalt surfaces. Buildings, roads, various ancillary units cover the soil and there is no possibility of soil erosion from these areas. In the greenery, plantation and lawns/ shade grass areas are fenced with concrete dykes and the soil is lower than dyke surface levels. Dyke helps not only for soil conservation, but also rainwater conservation. With the above said conservation actions very little chance for soil erosion. Drainage conservation scheme: There is no inflow of storm water or drainage flow from outside the industry as it is protected by lined drainage of 1m width and 1m to 1.5m depth on 3 sides- north, west and east that is taking care of storm water from outside.

			 Plant site is separated from the outside drainage and the storm water is diverted along the east, north and west boundaries towards south boundary and is drained out into the Megadrigedda through a storm water drain along the Navy establishments boundary. Upstream side diversions are made by the VPT authorities. Storm water generated within the plant site being taken by AMNS through rainwater harvesting and reusing it for greenery and washing.
8	The water requirement of 4210 m3/day shall be met from Greater Visakhapatnam Municipal Corporation (GVMC) only	Being complied	Since the project is coming up in the existing plant area, AMNSIPL had already got agreement and permission for the supply of water from GVMC to the tune of 1500 KLD. Further AMNSIPL had in principle obtained permission from GVMC for the supply of additional water quantity of 3010 KLD. As a part of
	after obtaining necessary permission from the Competent Authority.		water conservation program initially, we have requested GVMC to supply 1000KLD per day during the construction phase for which GVMC had agreed and approved. GVMC raised a demand note vide letter no RC.No /2025-26/SE(WS&S-M)/EE-II (WS&S-M)/Bulk -Water/GVMC,dt 13.08.2025 towards the additional quantity of 1000KLD of bulk water, towards the bulk water supply advanced consumption charges.
9	Three tier Green Belt shall be developed in at least 33% of the project area in a period of 1 year along the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas such as Villages and Schools nearby project site. Also, as committee, AMNS shall develop additional 6 Ha plantation in VPA & Greater Visakhapatnam Municipal Corporation	Being complied	 Implemented plantation program towards east and northeast side of the plant by planting 3500 plants which are well grown with 100% surveillance rate with an expenditure of Rs 33,95,000 Lakhs which is protecting as a barrier. Efforts are initiated for the additional 6 Ha plantation either in VPA/GVMC for the identification of suitable land for the development.

	(GVMC) area and nearby school within 1year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEFCC.			
10	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented.	Being complied.	For the period of April'2025 to The following CER activities district administration.	September'2025: are initiated in coordination with
	The action plan based on the social impact		CSR & CER Expenditur Septembe Thematic Area	
	assessment study of the		Environment- Wildlife	Experienture (IIVN) III Lakiis
	project as per the EMP in accordance with the		Conservation Plan	30,00,000
	Ministry's OM dated		Total	30,00,000
	30.09.2020 amounting to Rs. 15 Crores shall be strictly implemented, and progress shall be submitted to the Regional Office of MoEFCC.		Note: Project is in the establish	
11	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village.	Being complied.	The plant is in the urban area taken up in consultation with t	a all the CER activities are being he district administration.
12	The project proponent shall obtain prior necessary permission from the Competent Authority w.r.t. tree felling / translocation of trees involved in the proposed project.	Complied.	AMNSIPL have obtained per District Forest officer vide lette 2024.	mission for felling of trees from er no 1802/2022/S2 dated 29.05.
13	The project proponent shall strictly comply with the observations of IRO and submit the compliance of the same to IRO with the half yearly compliance report.	Being complied.	Noted. IRO observations are b	eing complied and reported.
14	AMNS shall approach SPCB and SPCB shall take all the industrial stakeholders on board to reduce the pollution level in the area.	Being complied.	Vizag to advice in this regard. APPCB,VPA and AMNS cor committee meeting in the pren environmental protection mea stakeholders.	letter to regional officer, APPCB, nducted environment monitoring nises of VPA and discussed on the isures being taken by the various
15	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in	Being complied.	as (vide letter Rc.no: 1802/2	onservation plan by the DFO,Vizag 022-52 Dated: 14.08.2025)AMNS towards implementation of the

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	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 the MoEF&CC.		from the fores	st departmen	tter of communication		ived
16	No activity shall be	_	Noted & agree	nd			
	permitted in CRZ area adjacent to the stockpile area without prior CRZ clearance as per CRZ Notification.		Noted & agree	eu			
B. Gener	al Conditions						
1.	Statutory compliance:						
1	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		Noted & agree	ed			
II.	Air quality monitoring and						
1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection)	Being compiled.	Down Proce is bein Calibr suppl Data 1 of PP	wind directions Stacks of any uploaded ration of 2 (in in i	stations installed ons and 3 No's PP – 1, PP – 2 ar into APPCB and CAAQM and 3 C done in the mont EMS installed in d CPP is given in Emission Data PP-2 µg/m3 39.00	CEMS installe and CPP and the CPCB websites. EMS by Equipr h of August'25. Main process sta	d in data ment acks
	Rules 1986 as amended				20.00	55.55	1

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	from time to time. The		Q4	27.6		37.67	21.00	
	CEMS and CAAQMS shall		Standards			50	50	
	be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification		and qua	downw rterly ba	ind directions	ction is giv	tions installe	ed at upwind elow table in
	through labs recognized under Environment		l An			1	` `	Standar
	(Protection) Act, 1986 or NABL accredited laboratories.		Paramet ers	CAAQ M-1 mg/m 3	CAAQ M-2 mg/m 3	CAAQ M-1 mg/m 3	CAAQM-2 mg/m3	ds (24hours) mg/m3
			PM 2.5	17.34	19.65	36.72	30.71	60
			PM 10	71.46	72.33	75.74	70.79	100
			SOx	10.67	10.56	11.59	12.69	80
			NOx	23.56	23.66	23.18	23.50	80
2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	compiled.	Dov ope con • Ami outs Kar Akk and	vnwind crated continuously bient air side the charpale yapalem the report	direction ontinuous y into AF quality replantem (0.9 n (2.8 km orts is be	is inside to sly and the PPCB and monitoring at Gna km,NE), NE) and eing submi	the plant and e data is being control of the contro	every month 0.9 km, E), (2 km, SE), (3.3 km, SW) CB.
3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	compiled.	Fugitive Em accredited t				d by an NABI n lab.	_ & MoEFCC
4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.	Complied.	Sampling fa manually.	cility is p	orovided	for monito	oring the Prod	cess stacks

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5	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	Being compiled.		 Appropriate Air Pollutic Bag Filters, ESPs, Wet and all the monitored vanorms prescribed by AI A comprehensive list of proposed for installatio provided below. 	Scrubbers are alues are well w PPCB/ MoEFCC air pollution con at the various	already installed, ithin the emission
	prescribed stack emission and fugitive emission standards.		St ac k N	Stack Attached To	Air pollution Control Equipment provided	Outlet Dust load [mg/Nm³]
			1	Stack Attached to Additive grinding building (Bentonite process)	Bag Filters	10
			2	Stack Attached to Additive grinding building (Additive process)	Bag Filters	10
			3	Stack Attached to Additive grinding building (Additive dedusting)	Bag Filters	10
	,		4	Stack Attached to Additive grinding building (Bentonite dedusting)	Bag Filters	10
			5	Stack Attached to Additive yards (JH-10 dedusting)	Bag Filters	10
			6	Stack Attached to Proportionate bin building – (Mixing dedusting)	Bag Filters	10
			7	Stack Attached to Proportionate bin building — (Dust bin)	Bag Filters	10
			8	Stack Attached to Proportionate bin building- (Bentonite bin)	Bag Filters	10
			9	Stack Attached to Proportionate bin building — (Lime + Coal bin)	Bag Filters	10
			10	Stack Attached to Induration Furnace of Pellet Plant -3 (Process Stack)	Electrostatic Precipitator	10
			11	Stack Attached to Induration Furnace of Pellet Plant -3 (Process Stack)- Hood exhaust	Electrostatic Precipitator	10
			12	Stack Attached to Feed end of Indurating furnace of Pellet plant -3 (Fugitive Dust Control)		10
			13	Stack Attached to Discharge End of Indurating furnace of Pellet plant -3 (Fugitive Dust Control)	Bag Filters	10
			14	Stack Attached to Hearth layer Separation Bin of Pellet Plant- 3(Fugitive Dust Control)	Bag Filters	10
			15	Stack Attached to Product Transfer Point of Pellet plant - 1,2 and 3 (Fugitive Dust Control)	Bag Filters	10
6	The project proponent shall provide leakage detection and mechanized	Being compiled.	by i	nave installed Reverse Jet / njecting clean air into th inuous operation. Leak de	ne dust collec	tor, which is a

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	bag cleaning facilities for better maintenance of bags.		Physically on daily basis by checking healthiness of Diaphragm purging, Differential Pressure of the Bag filter for all the installed Bag Filters.
7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Complied.	 We have adopted road trackers for the cleaning of the internal roads. Bobcats being used to cleaned and shopfloors and inside the plant areas.
8	Ensure covered transportation and conveying of raw material to prevent spillage and	Complied	All the Raw Materials, once in a quarter (For 5 – 6 days of transportation). Ensuring Tarpaulin covering and wetting of roads during Transportation. The Product is transported to stockpile using Closed Conveyors.
	dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.		
9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	-	Not Applicable
10	Wind shelter fence and chemical spraying shall be provided on the raw material stockpiles.	Being complied	 Fixed Water sprinklers are installed at the raw material storage yards. No chemical spraying is required at the raw material stockpiles. Covered storage sheds are also provide for storing the raw materials.
11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	-	Not applicable
12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.	Complied.	Noted and compiled
13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers),	Complied.	Highly efficient air pollution control equipment's like ESPs, wet scrubbers, High-capacity bag filters, covered storage sheds for additive storage yards, regular water sprinkling on the internal roads and developed a thick green belt towards the habitation side and all along the plant boundary.

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	condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the		
	surrounding villages to arrest suspended dust in the atmosphere.		
14	Bag filters shall be cleaned regularly, and efficiency of bag filter system shall be monitored at regular intervals.	Being complied.	We have installed Reverse Jet Air Bag Filters. Bags are cleaned by injecting clean air into the dust collector, which is a continuous operation. Leak detection process is being done Physically on daily basis by checking healthiness of Diaphragm purging, Differential Pressure of the Bag filter for all the installed Bag Filters. Performance monitoring of all the Air pollution control equipment's is done every once a year.
15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.	Complied.	 High-Capacity water sprinklers installed with reach of 30 to 35m coal yard & CHP to suppress fugitive coal dust. At stockpile water sprinklers provided to arrest dust generation during transfer of materials. Dry Fog Water Sprinklers are installed on the Product conveying systems.
16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.	Being complied.	 The existing Electrostatic Precipitators (ESPs) at PP-1 have been upgraded with Modu Power HFPS technology, successfully achieved stack emissions below 30 mg/Nm³. ArcelorMittal Nippon Steel India Private Limited, Visakhapatnam, has been honored with two prestigious accolades, "Best Innovative Project" Award and "Excellent Environmental Project" Award at the 12th CII National Award for Environmental Best Practices 2025 for its groundbreaking project titled "Reduction of Stack Emissions by Integrating ModuPower HFPS into the Existing ESPs". (photographs).

for all countries.

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			Best Innovative Project Award **Control of Control of
			Excellent Environmental Project Award
			 Furthermore, an action plan for implementing the same technology of Modu power HFPS will be implemented in PP-2 and considered the budget provisions and the upgradation will be completed by December 2026. All the ESPs of PP-3 were designed to achieve less than 10 mg/Nm³.
17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Being complied.	 a. Cover sheds were provided for Anthracite coal and bentonite. b. Ensured that all the Vehicles are properly covered with tarpaulin enroute from port to plant. c. Regular road cleaning activity is being ensured to avoid fugitive emission dust through vehicles.
18	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.	Being complied.	 Coal dust exposure study completed by an NABL and MoEFCC accredited 3rd party agency M/s Team Labs at CPP area. The Respirable dust concentration monitored inside Coal Crusher plant found to be less than prescribed standard values.

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19	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m3, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.	Being complied.	 Coal dust exposure study completed by an NABL and MoEFCC accredited 3rd party agency M/s Team Labs at CPP area. The respirable dust fraction containing less than 5% quartz found to be less than the standard values.
111.	Water quality monitoring		on
1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Being complied.	There is no wastewater generation and disposal from the process. Hence ETP is not required. However, around 8 no's sumps were provided in the plant to collect the stormwater/ Rainwater and internal road washing are reused back into the process. Sewage is treated in 20KLD STP and the treated water is used for road dust suppression and greenbelt / green cover area. The Sewage treated water is being monitored every month by NABL & MOEFCC accredited consultancy M/s Team Labs. 20 KLD STP
			Sump at the slurry tank area.
-	The musical array	5	•
2	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	Being complied.	Ground water has been monitored for the Pre and post monsoon season by an NABL & MoEFCC accredited third-party Agency M/s Team lab.

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3	Environment (Protection) Act, 1986 and NABL accredited laboratories Garland drains and collection pits shall be provided for each stockpile to arrest the run-off in the	Complied.	Garland drains and Collection pits are provided, and the runoff water is being collected into sump located at stockpile and the same is used for the dust suppression systems.
4	event of heavy rains and to check the water pollution due to surface run off. Water meters shall be provided at the inlet to all unit processes in the plants.	Being complied.	An PO has been released for the procurement and installation of new water flow meters replacing the old instruments which is expected to be completed by March CY'26
5	The project proponent shall make efforts to minimize water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Being complied.	The main sources of wastewater generation from the plant are blow downs from utilities and treated domestic effluent in Sewage Treatment Plant (STP). The process wastewater from de-dusting and wet scrubbers are clarified in thickeners and clarified water is recycled back into the process. The blow downs from utilities like cooling tower etc. is diluted in process water pond and recycled in the process. The domestic effluent will be treated in 20 KLD STP, and the treated water will be used in gardening / greenbelt purposes.
6	The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.	Being complied.	 There is no wastewater generation and disposal from the process. Hence ETP is not required. However, around 8 no's sumps were provided in the plant to collect the stormwater/ Rainwater and internal road washing are reused back into the process. Sewage is treated in 20KLD STP and the treated water is used for road dust suppression and greenbelt / green cover area. The Sewage treated water is being monitored every month by NABL & MOEFCC accredited consultancy M/s Team Labs.

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			Sump at the slurry tank area.
7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the runoff material and shall be implemented as per the action plan submitted in EIA/EMP report.	Being complied.	 The ground surface of raw material storage yards is laid with gravel 1 foot then compacted and a 3mm thick geotextile. Over the geotextile, 150 mm Water Bound Macadam (WBM)¹ is laid. In which stone aggregates and binders are overlaid one over another during construction of WBM layer. Further, the raw material storage yard in the plant area is enclosed with boundary wall on 2 to 3 sides and the open side is well laid with garland drain and catch pit arrangement. The slope of the raw material storage is inclined towards the garland drain. Thus, the rainwater washing the stored material is collected in catchpit
			through garland drains and the clear water is pumped to thickener for recirculation / reuse in the plant. The trapped raw material washings from the catchpits are periodically cleaned and put back on the respective raw material yard.
8	Rainwater harvesting shall be implemented to recharge/ harvest water as per the action plan submitted in the EIA/EMP report.	Being complied.	As per the recommendation of Dr V Venkateshwara Rao, Professor Retd. (Geo Engineering), Andhra University the following actions were taken and completed. • Existing and new bund walls were raised at greenbelt/ green cover catchment areas in the plant. • Down commers (pipes) were arranged for the newly constructed additive storage sheds.
IV.	Noise monitoring and prev	ention	TARREST CONTRACTOR AND
1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Being complied.	Noise Monitoring is being carried out on monthly basis by an NABL & MoEFCC accredited third-party Agency M/s Team lab.
2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986	Being complied.	Noise levels inside the plant are under prescribed standards and not exceeding 75 dB during daytime and 70 dB during night-time. The noise monitoring is being carried out on

all countries.

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	I do 75 do (A) do do						
	viz. 75 dB(A) during daytime and 70 dB(A) during nighttime.		Monthly basis by an NABL & MoEFCC accredited third-party Agency M/s Team lab.				
3	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.	Being complied.	 The observed maximum WGBT indoor values at Furnace 1 area is 27.3° c The observed maximum WGBT indoor values at Furnace 2 area is 27.4° c The observed maximum WGBT indoor values at Boiler area is 27.4 ° c The observed WGBT Indoor values found to be less than 27.5 ° c as per guidelines provided above the work force found to be not under Heat stress. 				
٧.	Energy Conservation meas						
1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights, parking around project area and maintain the same regularly;	Being Complied.	 Implementation of Solar renewable energy project capacity 750 KW for which work orders have be issued. Installed Day light Harvest system on the Main was pump house. 97 kW Solar Panels Installed at school and college. 				
2	Provide LED lights in their offices and residential areas.	Complied.	Under the Energy Conservation measures 100% LED lights installation has been successfully completed in the plant.				
VI.	Waste management						
1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.	Being complied.	Used oil collection shed was established inside the plant for collection and storage of Used oil. The used oil is sold to authorized recyclers.				
2	Kitchen waste shall be composted or converted to biogas for further use.	Being complied.	Kitchen waste is being composted by Horticulture department and the generated manure is being used for Greenbelt as manure.				
3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and	Being complied.	All the fly ash generated in the existing plant is either sold to brick manufacturers or recyclers as per the below table. S. Description UO M Quantity Disposed to 2327.68 SRI SRINIVASA BRICKS WORKS				
	Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.		1 Fly ash MT 179.14 VENKATA MARUTHI MATERIAL SUPPLY 1059.27 SRUSTI TRADING AND LOGISTICS				
4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identifiedSingle	Being complied.	All the Single Use Plastics are banned within the plant premises. Promoting usage of Paper cups and cloth bags inside the plant premises. Awareness Training Programs have been given to all the Employees and Associates.				

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	Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is		As a plast	ic bags / co	overs	s in cant	is, we have been using Compostable een areas.
	available at https://cpcb.nic.in/technica l-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the sixmonthly compliance report being submitted by the project proponents.						
5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Being complied.	All the septer table	mber'25 is	gene	d to auth	the existing plant from April'25 to norized recyclers as per the below ntity Disposed to SILICONE PLANET RECYCLING PVT
							LTD ,Hyderabad, Secunderabad
6	Solid waste utilization a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.	Being complied.	S. No	to Sep Vendors Descripti on	Solid oteml s as p U O M	waste poer-2025 oer the coordispo sal	generated during period April-2025 5 was disposed to Authorized details given below. Disposed to
			1	Fly ash	MT	3570. 77	Sri Srinivasa Bricks Works, Venkata Maruthi Material Supply, Rusti Trading and Logistics

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	b. PP shall recycle/reuse solid waste generated in		2	Used Oil	To ns	5	Zen Lubs
	the plant as far as possible.		3	Canteen Waste		NA	NA
	c. Used refractories shall be recycled as far as		4	E-Waste	МТ	0.86	SILICONE PLANET RECYCLING PVT LTD
	possible.		5	MS Scrap	МТ	712.3 6	SANJAY ENTERPRISES, VIZAG METALS AND MINERALS
			6	Used Conveyor belt	МТ	23.5	CONVEYOR TECH CORPORATION
			7	Used filter bags	МТ	132.9 4	SREE MAHALAKSHMI EARTH MOVERS P LTD
			8	Rubber Scrap	МТ	25.28	SREE MAHALAKSHMI EARTH MOVERS P LTD
			9	Wood Scrap	МТ	27.31	N A TRADERS
VII	Green Belt						
1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	Being complied.	•	completed half yearly AMNS Ir sequestrat approxima Further w reduce GH 1.	l and com dia ion itely (e had IG en Impl LSH belo	the fina pliance has refrom the firm th	maintained the estimated CO2 ne existing green belt is about CO2 e/Year. In planning the following actions to the planning with the planning is under progress as per the planning with
2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these	Being complied.		with the green be reduce 1. Impute LSF upon	India e estin elt is r we l GHG oleme IS to date.	has mamated (about a have be emission Natural We GAI the entation ity 750	nintained good amount of greenbelt CO2 sequestration from the existing approximately 625.11 tCO2 e/Year. en planning the following actions to

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	assessments should be measurable and monitor able with defined time frames.		
3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Complied	Inside the plant, all the internal roads are bitumen top and greening and paving has been done wherever possible to arrest soil Erosion and dust Pollution
VIII	Dublic bearing and U.		
VIII	Public hearing and Human		EDDD I IIIDA
1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied	EPRP and HIRA is in place and necessary awareness and Training is being given to all the employees and Associates. Mock drills are also being conducted on quarterly basis.
2	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	Complied	 The observed maximum WGBT indoor values at Furnace 1 area is 27.3° c The observed maximum WGBT indoor values at Furnace 2 area is 27.4° c The observed maximum WGBT indoor values at Boiler area is 27.4 ° c The observed WGBT Indoor values found to be less than 27.5 ° c as per guidelines provided above the work force found to be not under Heat stress.
3	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing	Complied	 AMNSIPL has taken 5 Acres of land from VPA on lease to provide housing for the construction labor. The acquired land is demarcated. The following facilities has been provided in worker facility area (fuel for cooking, mobile toilets, Safe drinking water, First AID etc.) The following facilities in the side the project area (dining hall, rest rooms, OHC, drinking water facility, toilets etc.)

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	may be in the form of						
	may be in the form of temporary structures to be removed after the completion of the project.						
4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Complied		lth Surveillance is being don ords are being maintained at			
IX	Environment Management						
1	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. As part of		Responsibility (CER).The Corporate Environm				
	Corporate Environment Responsibility (CER)			Thematic Area	Expenditure (INR) in Lakhs		
	activity, company shall			Environment-Wildlife Conservation Plan	30,00,000		
	adopt nearby villages based on the socio-			Total	30,00,000		
	economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.		Note: Project is in the establishment phase.				
2	The company shall have a well laid down environmental policy duly approve 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/vio lation 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	Complied	Con	npany has a well laid down E	invironment Policy.		

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	regard shall be submitted		
	to the MoEFCC as a part of		
	six-monthly report.		
3	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 to the head of the organization.	Complied	A dedicated Environment management Cell with a Senior Level officer with supporting Qualified personnel are in place and directly reporting to Executive director of the plant.
4	Performance test shall be	Complied	Conducted Performance Evaluation Study for all the Air pollution
V	conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MOEFCC.	·	control equipment's installed in the pellet plant complex by a NABL & MoEFCC accredited consultancy M/s Team Labs and found all the equipment's are within the standards.
X	Miscellaneous		
1	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.	Complied	Public Notice has been issued in the leading English & Telugu newspapers Deccan Chronicle & Vartha respectively on 7th December 2022. Arcelor Mittal Nippon Steel India limited hereby informs the public that the Ministry of Environment, Forest & Climate change, Government of India, New Delhi has accorded Environmental clearance (EC) vide EC identification no. EC23A1006APS290681N and File No. J-1101/1131/2022-1A.II(IND-1) dated 25.07.2024 to our Proposed Expansion of Iron ore Pelletization from 7.0 MTPA to 11.0 MTPA in the existing plant area of 110 acre located at Survey no. 15 A, kancharapalem, Near fly over, Sclindia road, Visakhapatnam Urban, Vishekhapatnam district, Andhra Pradesh, India under the provisions of EIA Notification 2008 & its amendments I. The copy of the Environmentat Clearance letter is available with the APPCB and may also be seen on the website of Ministry at http://parivesh.nic.in Place: Visakhapatnam Head HSE Date: 01.08.2024 Arcelor Mittal Nippon Steel India Limited
			భారత డ్రుడుత్వ పెర్యావరణ, ఆటవీ మరియు వాతావరణ మాద్పుల మండ్రిత్వ శాఖ, స్యూ తీల్రీ ద్వారా అర్మెంర్ శుట్టల్ నిష్కాన్ స్టేల్ ఇండియూ లిఖుటెడ్ కు. ఇస్ ఐడెంటివికొన్నన్ నెంబరు EC23A1906AP5290681N మరియూ ఫైల్ నెం. J-11011131/2022-IA.II(IND-1) తేది 25.07.2024 ద్వారా ప్రావేరణ అనుమతి (ఇస్) మంజూరు చేసినట్లు ద్రుజలకు తెలియకేయుండింది. మా డ్రుత్రించిలో ఇస్తున్న మండ్రిటికేషన్ను 7.0 MTPA నుండి 11.0 MTPA కు డ్రాస్క్ తీడ్డు 110 ఎకరాల ఫ్లెంటిలో నేర్వే నెం.15A, కంచరపాలెం ఫై ఓచర్ డ్రుక్కనే, సెంధ్రియా రోజ్, విశాఖవచ్చుం అర్వన్ ఎక్కాఖమద్దుం ఇల్లా, ఆంధ్రప్రదేశేక్, బారశదేశల, ఇజవె టోటిఫ్రేజిషన్, 2006 యొక్కు నిబలదనల భూతంద్రప్రదేశేక్, బారశదేశల, ఇజవె టోటిఫ్రిజిషన్, 2006 యొక్కు నిబలదనల భూతంద్రప్రదేశేక్, బారశదేశల, ఇజవె టోటిఫ్రిజిషన్, 2006 యొక్కు నిబలదనల భూతం ఎస్ఎంచిదం బరుగుతుంది. పర్యావరణ అనుమేకుల లేఖ టెబుక్క కాపీ ఎనిపినిటి చద్ద అందుబాటులో ఉంది మరియు మనిస్టే యొక్క నెట్ కౌట్ లో కూడా చూడపచ్చు http://parivesh.nic.in స్టలక: విశాఖపట్నం

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2	The copies of the	Complied	Environment clearance document has been submitted to GVMC,
	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 must display the same for 30 days from the date of receipt.		APPCB.
3	The project proponent shall upload the status of	Being complied.	Half yearly Compliance report for the period April '25 to September 25 along with monitored data has been uploaded on
	compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	×	AMNS website.
4	The project proponent shall monitor the criteria pollutants level namely, PM10, SO2, NOx (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.	Complied	Online CEMS & CAAQMS are installed in the plant premises and the data is continuously uploaded onto APPCB & CPCB portals.
5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented	Complied	All plant roads are laid with flexible pavement design considering Million Standard Axle (MSA) as per IRC Guidelines. All the roads are Min 6.0 mts and Max 9 mts wide and MSA as per IRC guidelines has been taken care of.
6	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.	Complied	Half yearly Compliance report for the period April'25 to September'25 along with monitored data and study report was submitted on MoEFCC website.
7	The project proponent shall submit the environmental statement for each financial year in	Complied	The Environment Statement for the year 2024 – 2025 was submitted to APPCB on 14 th July,2025.

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	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.						
8	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	Being complied.	agencio succes	es. It is expe	ected that Il be given l	the final auth aying of pipelir	nitted by various orization for the ne for Mallavaram
	the concerned authorities, commencing the land development work and start of production operation by the project.						
9	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.	Complied.		Recommenda port are comp		commitments n	nade in the EIA/
10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) 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 the MoEFCC.	Being Complied	as (vide India h consen	e letter Rc.nenas paid Rsvation plan a e forest depaid	o: 1802/202 30 lakhs to nd letter o rtment.	22-52 Dated: 1 owards impler	by the DFO,Vizag 4.08.2025)AMNS nentation of the on was received
11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other	Being Complied	Hence	ject is conside	ered under 7 ted. Budget	7(II) under EIA I ary commitme	Notification 2006, nts given in EIA/
	commitments made in the EIA/EMP Report etc. in the company web site for the information to		S.No	Category	Proposed budget Rs in lakhs	Expenditure as on 31st September 2025	Balance budget in Rs lacs.

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	public/public domain. The PP shall also put the information on the left-over		1	APCE upgradation	625	615	10
	funds allocated to EMP and PH as committed in the earlier ECs and shall be		2	STP	51.8	49.89	1.91
	carried out and spent in next three years, in the company web site for the information		3	Emission monitoring repairs and upgradation	1259	1148	111
	public/public domain.		4	Greenbelt	161	33.95	127.05
				Capital diture	2096.8	1846.84	249.96
12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).	Complied	Noted	& agreed.			
13	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.	Complied	Noted	& agreed.			
14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Complied	Noted	& agreed.			
15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Complied	Noted	& agreed.			
16	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	Complied	Noted	& agreed.			

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	information/monitoring reports.		
17	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.	Complied	Noted & agreed.

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