

Ref No: AMNS/VIZAG/EC(NG)/H1(FY 25-26)/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 report on the stipulated environmental clearance terms and conditions in respect of M/S ArcelorMittal Nippon Steel India Limited Visakhapatnam A.P for the period from April '25 to September'25.

Reference -1) MoEF File No: -IA-J-11011/131/2022-IA-II(IND-I) and EC Identification No: EC22A008AP120408
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. IA-J-11011/131/2022-IA-II(IND-I) in respect of M/s ArcelorMittal Nippon Steel India 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 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,
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The Member secretary,
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The member secretary (industrial projects-III)
Ministry of Environment, Forest and climate change,
Indhira paryavaran bahavan, Room.no.V-304,
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Aliganj, New delhi-110003,
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**Half-Yearly Compliance Report
for the period from April'25 to September'25 to the Environmental
Clearance Granted (for Change of Fuel Project from LSHS to
Natural Gas) in favor of M/s ArcelorMittal Nippon Steel India
Private Limited, Visakhapatnam.**

Name of the Company	M/s ArcelorMittal Nippon Steel India Private Limited, Visakhapatnam
Name of the Project	Proposed change of fuel from LSHS to Natural Gas (Fuel oil as stand by) in the Existing 7.0 MTPA Iron ore Pelletisation Plant and Net 25 MW Captive Power Plant by M/s ArcelorMittal Nippon Steel India Limited located at village Kancharapalem, Tehsil Visakhapatnam Urban, District Visakhapatnam, Andhra Pradesh, India.
EC Identification No.	EC22A008AP120408
File No.	IA-J-11011/131/2022-IA-II(IND-1)
Compliance Status for the Period	April'25 to September'25 - Half yearly compliance report









Condition wise Compliance Report – EC No – IA-J-11011/131/2022-IA-II(IND-I)			
S. No	Specific Condition	Compliance status	Remarks
1.	The Project proponent 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.	Being Complied	Environment Protection Measures <ul style="list-style-type: none"> 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.
2.	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.	Complied	<ul style="list-style-type: none"> 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 approximately 625.11 tCO2 e/Year. Further we have been planning the following actions to reduce GHG emissions: <ol style="list-style-type: none"> Implementation of Change of fuel Project from LSHS to Natural gas is under progress as per below update. <ul style="list-style-type: none"> ✓ 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.
3.	Total water requirement for the existing plant as 10205 m3/day, including 3655m3/day for Captive Power Plant and water required for Pellet Plant is 6550 m3/day shall be met from GVMC (1200 m3/day) and recycled water (9120 m3/day).	Being Complied	<ul style="list-style-type: none"> Total water requirement is being met with water received through slurry and reused for the existing pellet plant operations Water consumption by using recycled water is well below the Total Requirement for the Pellet Plant and Captive Power Plant.
4.	Project Proponent shall obtain renewal of lease from Visakhapatnam Port Trust.	Complied	<ul style="list-style-type: none"> AMNSIPL has taken lease of VPA land measuring 148.38 acres for 30 Years from 12/12/2023. 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.	Following additional arrangements to control fugitive dust shall be provided: <ol style="list-style-type: none"> Fog/Mist Sprinklers at all conveyors point and on bulk raw 	Complied	<ol style="list-style-type: none"> Cover sheds were provided for Anthracite coal and bentonite. Ensured that all the Vehicles are properly covered with tarpaulin enroute from port to plant. Regular road cleaning activity is being ensured to avoid fugitive emission dust through vehicles.



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	<p>material storage area (at the transfer points) like Iron ore, Coal and for Fly Ash and similar solid waste storage areas.</p> <p>b) Proper Covered vehicle shall be used while transport of Materials.</p> <p>c) Wheel Washing mechanism shall be provided in entry and exit gates with complete recirculation system.</p>		
6.	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.	Complied	<ul style="list-style-type: none"> There is no separate project site is involved in this project. All the internal roads are black topped in the existing project.
7.	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yard shall also have garland drains to trap the runoff material.	Complied	<ul style="list-style-type: none"> The ground surface of raw material storage yards is laid with gravel 1 foot and then compacted with a 3mm thick geo-textile. Over the geo-textile, 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.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MOEF&CC	Complied	<ul style="list-style-type: none"> Conducted Performance Evaluation Study for all the Air pollution 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.
9.	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ . Action plan submitted to limit the dust	Being complied	<ul style="list-style-type: none"> The existing Electrostatic Precipitators (ESPs) in PP-1 have been upgraded with Modu Power HFPS technology, successfully achieved stack emissions below 30 mg/Nm³.






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	emission shall be strictly implemented.		<ul style="list-style-type: none">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). <div></div> <p>Best Innovative Project Award</p> <div></div> <p>Excellent Environmental Project Award</p> <ul style="list-style-type: none">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.																																													
10.	<p>Solid waste utilization</p> <p>(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.</p> <p>(b) PP shall recycle/reuse 100% solid waste generated in the plant as per submitted plan.</p> <p>(c) Used refractories shall be recycled as far as possible</p>	Complied	<p>a. Not Applicable</p> <p>b. All the Solid waste generated during period April-2025 to September-2025 was disposed to Authorized Vendors as per the details given below.</p> <table><tr><th>S.No</th><th>Description</th><th>UOM</th><th>Quantity of disposal</th><th>Disposed to</th></tr><tr><td>1</td><td>Fly ash</td><td>MT</td><td>3570.77</td><td>Sri Srinivasa Bricks Works, Venkata Maruthi Material Supply, Rusti Trading and Logistics</td></tr><tr><td>2</td><td>Used Oil</td><td>Tons</td><td>5</td><td>Zen Lubs</td></tr><tr><td>3</td><td>Canteen Waste</td><td></td><td>NA</td><td>NA</td></tr><tr><td>4</td><td>E-Waste</td><td>MT</td><td>0.86</td><td>SILICONE PLANET RECYCLING PVT LTD</td></tr><tr><td>5</td><td>MS Scrap</td><td>MT</td><td>712.36</td><td>SANJAY ENTERPRISES,VIZAG METALS AND MINERALS</td></tr><tr><td>6</td><td>Used Conveyor belt</td><td>MT</td><td>23.5</td><td>CONVEYOR TECH CORPORATION</td></tr><tr><td>7</td><td>Used filter bags</td><td>MT</td><td>132.94</td><td>SREE MAHALAKSHMI EARTH MOVERS P LTD</td></tr><tr><td>8</td><td>Rubber Scrap</td><td>MT</td><td>25.28</td><td>SREE MAHALAKSHMI EARTH MOVERS P LTD</td></tr></table>	S.No	Description	UOM	Quantity of disposal	Disposed to	1	Fly ash	MT	3570.77	Sri Srinivasa Bricks Works, Venkata Maruthi Material Supply, Rusti Trading and Logistics	2	Used Oil	Tons	5	Zen Lubs	3	Canteen Waste		NA	NA	4	E-Waste	MT	0.86	SILICONE PLANET RECYCLING PVT LTD	5	MS Scrap	MT	712.36	SANJAY ENTERPRISES,VIZAG METALS AND MINERALS	6	Used Conveyor belt	MT	23.5	CONVEYOR TECH CORPORATION	7	Used filter bags	MT	132.94	SREE MAHALAKSHMI EARTH MOVERS P LTD	8	Rubber Scrap	MT	25.28	SREE MAHALAKSHMI EARTH MOVERS P LTD
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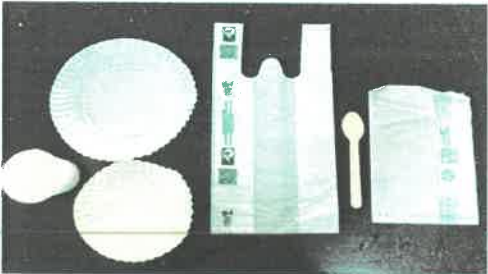
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			9	Wood Scrap	MT	27.31	N A TRADERS
11.	Bay of Bengal (3.3 Km, E) NaravaGedda (5.3) and MehadriGedda (9.2 Km, NW) exists within 10 Km. radius of the plant site. A robust and full proof Drainage Conservation Scheme to protect the natural drainage and it flow parameters; along with Soil Conservation scheme and multiple Erosion control measures shall be implemented	Complied	<p>The project site is not in vicinity of any river and neither within the flood affected zone of any river. Further, no canal / nala / seasonal drain and any other water body is passing through the project site. A detailed Study Conducted by Dr. V Venkateshwara Rao, Professor Retd. (Geo Engineering), Andhra University opined that with respect to ground water recharge there is no feasibility due to</p> <ol style="list-style-type: none"> 1. Marine clay which is an impermeable layer present from 1m to 3m and 13 m to 14 m from the present ground level in the entire site of investigation. Marine clay formation is not an Aquifer. 2. Water table is at 0.8m to 1.18m depth and is not advisable to do recharge of groundwater to avoid water logging problem. 3. Groundwater quality in this marine environment is highly saline and of no use even if we add a little amount of fresh water. 				
12	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. MSW waste shall be treated in digester and recovered gas shall be used in the canteen.	Complied	<ul style="list-style-type: none"> • 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. <div style="text-align: center;">  <p>STP of 20KLD capacity</p>  <p>Sump at the slurry tank area.</p> </div>				

13	The company shall also undertake rainwater harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.	Complied	<p>As per the recommendation of Dr V Venkateshwara Rao, Professor Retd. (Geo Engineering), Andhra University the following actions were taken and completed.</p> <ul style="list-style-type: none">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. <div></div>																		
14	GnanaPuram (0.9 Km, E), Kancharpalem (0.9 Km, NE) Velampeta (2 Km, SE), Akkayapalem (2.8 Km, NE) and Gandhigram (3.3 Km, SE) exists within the study area of project site Project Proponent shall take appropriate environmental safeguard measures to minimize the impact of the habitation of the locals. The company shall also include this location in its environmental monitoring program.	Being Complied	<ul style="list-style-type: none">Implemented plantation program towards east and northeast side of the facility 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. <div></div> <ul style="list-style-type: none">Further, Kancharpalem, Velampeta, Akkayapalem and Gandhigram have been covered in the monthly Environment Monitoring program by an NABL and MoEF&CC accredited 3rd party agency M/s Team Labs.Consolidated monthly monitoring reports are submitted to APPCB.																		
15	As committed, project proponent shall undertake CER through innovative schemes in consultation with District Administration.	Complied	<p>AMNS India has spent approximately Rs.32,87,016 lakhs in the period April-25 to September-2025 for CER& CSR activities</p> <table><tr><th colspan="2">CSR & CER Expenditure from April'25 to September'25</th></tr><tr><th>Thematic Area</th><th>Expenditure (INR) in Lakhs</th></tr><tr><td>Health Initiatives</td><td>-</td></tr><tr><td>Education Initiatives</td><td>0</td></tr><tr><td>Livelihood Initiatives</td><td>2,47,805</td></tr><tr><td>Infrastructure Development</td><td>9,17,561</td></tr><tr><td>Sports & Culture</td><td>5,00,000</td></tr><tr><td>Environment</td><td>16,21,650</td></tr><tr><td>Total</td><td>32,87,016</td></tr></table>	CSR & CER Expenditure from April'25 to September'25		Thematic Area	Expenditure (INR) in Lakhs	Health Initiatives	-	Education Initiatives	0	Livelihood Initiatives	2,47,805	Infrastructure Development	9,17,561	Sports & Culture	5,00,000	Environment	16,21,650	Total	32,87,016
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16	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Complied	E-waste is being disposed through CPCB/ APPCB authorized recyclers. Annual returns for the E-waste generated and disposed in FORM -3 has been submitted to APPCB.
17	Three-tier Green Belt shall be developed in at least 33% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. The 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. Compliance status in this regard, shall be submitted to the concerned Regional Office of the MoEF&CC.	Being Complied	AMNS has developed a thick greenbelt in and around the plant premises and specifically developed all sides of the plant with an average of 15.8mts to 59.2mts   
18	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.
19	Air Cooled condensers shall be used in the captive power plant.	Complied	In the EAC Meeting held on 24/05/2024, The EAC deliberated on the compliance of earlier EC condition specifically w.r.t. installation of air-cooled condenser for power plant. The AMNS reported that new Air-cooled condenser will require additional space and need to change the entire Power plant layout and design as per the feasibility study. Also, AMNS need to use the slurry filtered water to achieve the Zero Liquid discharge. Considering this, AMNS requested EAC/Ministry to waive off this condition. A proper technical justification for the waiver of this condition of installation of Air-cooled Condenser in existing Captive Power Plant is submitted. The EAC deliberated and agreed to the request of AMNS and Waived off the condition.
20	During operational phase at Captive Power Plant, PP shall measure coal dust exposures and to maintain coal dust exposures within stipulated standards at coal handling areas. 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.	Complied	<ul style="list-style-type: none"> Heat stress Survey and Noise Monitoring within the process areas is completed for the CY-2025 by the MOEFCC & NABL accredited laboratory, M/S Team labs. Ambient noise levels are well within the prescribed standards. It varies from 52.4 dBA to 71.3 dBA in daytime and 51.7 dBA to 69.1 dBA in nighttime. However, as a proactive measure, ear protectors are being provided to the workers working in the Indurations Building Feed end area, IDB discharge end, Balling Disc area.


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21	<p>The Plastic waste Management Rules 2016, inter-alia, mandated banning of identifies Single 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 available at https://cpcb.nic.in/technical-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 of 12/08/2021. A report, along with Photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the Project Proponents.</p>	Complied	<p>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. As a part of implementing this, we have been using Compostable plastic bags / covers in canteen areas.</p>
			 <p>Biodegradable spoon,cup, plate,glass</p>
22	<p>The Project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of clean 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</p>	Complied	<p>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. The project of change fuel is within the plant premises by laying a pipeline only, there is no civil and mechanical structural construction is involved.</p>


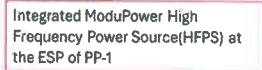



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	arrest suspended dust in the atmosphere.		
23	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MOEF&CC.	Being Complied	<p>As per the approved Wildlife conservation plan by the DFO,Vizag as (vide letter Rc.no: 1802/2022-52 Dated: 14.08.2025)AMNS India has paid Rs.30 lakhs towards implementation of the conservation plan and received letter of communication from the forest department.</p>  <p>Provided shelter for the birds in the Zoo</p>
B. General Conditions			
I. 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/conditions to the followed under any other Acts/Rules/Subordinate Legislations., as may be applicable to the project.	complied	Noted and complied
II. Air Quality Monitoring and Preservation			





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1	The project proponent shall install a 24x7continuous 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.	Being Complied	<ul style="list-style-type: none">2 No's CAAQM Stations installed at the upwind and Downwind directions and 3 No's CEMS installed in Process Stacks of PP – 1, PP – 2 and CPP and the data is being uploaded into APPCB and CPCB websites.Calibration of 2 CAAQM and 3 CEMS by Equipment supplier has been done in the month of August'25.Data from 3 no's CEMS installed in Main process stacks of PP -1, PP-2 and CPP is given in the below table in quarterly basis <table><tr><th colspan="4">Stack Emission Data</th></tr><tr><th>Quarter</th><th>PP-1 mg/m3</th><th>PP-2 mg/m3</th><th>CPP mg/m3</th></tr><tr><td>Q3</td><td>26.7</td><td>39.00</td><td>39.33</td></tr><tr><td>Q4</td><td>27.6</td><td>37.67</td><td>21.00</td></tr><tr><td>Standards</td><td>50</td><td>50</td><td>50</td></tr></table>	Stack Emission Data				Quarter	PP-1 mg/m3	PP-2 mg/m3	CPP mg/m3	Q3	26.7	39.00	39.33	Q4	27.6	37.67	21.00	Standards	50	50	50																				
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2	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.	Complied	<ul style="list-style-type: none">Data from 2 no's CAAQM stations installed at upwind and downwind direction is given in the below table in quarterly basis. <table><tr><th colspan="6">Ambient Air Quality Monitoring Data (Average)</th></tr><tr><th rowspan="2">Paramet ers</th><th colspan="2">Q3 Average</th><th colspan="2">Q4 Average</th><th rowspan="2">Standar ds (24hours) mg/m3</th></tr><tr><th>CAAQ M-1 mg/m 3</th><th>CAAQ M-2 mg/m 3</th><th>CAAQ M-1 mg/m 3</th><th>CAAQM-2 mg/m3</th></tr><tr><td>PM 2.5</td><td>17.34</td><td>19.65</td><td>36.72</td><td>30.71</td><td>60</td></tr><tr><td>PM 10</td><td>71.46</td><td>72.33</td><td>75.74</td><td>70.79</td><td>100</td></tr><tr><td>SOx</td><td>10.67</td><td>10.56</td><td>11.59</td><td>12.69</td><td>80</td></tr><tr><td>NOx</td><td>23.56</td><td>23.66</td><td>23.18</td><td>23.50</td><td>80</td></tr></table>	Ambient Air Quality Monitoring Data (Average)						Paramet ers	Q3 Average		Q4 Average		Standar ds (24hours) mg/m3	CAAQ M-1 mg/m 3	CAAQ M-2 mg/m 3	CAAQ M-1 mg/m 3	CAAQM-2 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
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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																																						
3	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.	Complied	<p>Fugitive Emissions are being monitored by an NABL & MoEFCC accredited third-party Agency M/s Team lab.</p> <p>Appropriate Air Pollution Control Equipment (APC) like Bag Filters, ESPs, Wet Scrubbers are already installed and all the monitored values imply that all are well within the emission norms prescribed by APPCB/ MoEFCC.</p> <div><div><p>HFPS Duct</p></div><div><p>Integrated ModuPower High Frequency Power Source(HFPS) at the ESP of PP-1</p></div><div></div></div> <p>Modu power HFPS integrated into the existing ESPs</p>																																								





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			 <p style="text-align: center;">Bagfilter</p>
4	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied	Industry 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.
5	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.	Complied	All the Dust collected from Bag Filters, ESPs, Wet Scrubbers is being recycled by adding water and taken to thickeners and used back into the process as raw material.
6	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Complied	<p>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.</p> 
7	The project proponent shall provide primary and secondary fume extraction system for all melting furnaces.	-	Not Applicable
8	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, oil Cellars.	-	Not Applicable
III. Water Quality Monitoring and Preservation			
1	The Project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986	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 and reuse back into the process. Domestic wastewater is being treated in a 20 KLD Sewage Treatment plant (STP) and the treated water is being reused for greenbelt and road cleaning.




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	(G.S.R. 414 € dated 30 th May 2008; G.S.R. 277 € dated 31 st March 2012 (applicable to IF/EAF); S.O.3305 € dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environmental (Protection) Act,1986 or NABL accredited laboratories.		 <p>STP of 20 KLD capacity</p>  <p>Sump at the slurry tank area.</p>
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 Environment (Protection) Act,1986 and NABL accredited laboratories.	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.
3	The Project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in GSR 277 (E) 31 st March 2012 (applicable to IF/EAF) as amended from time to time.	-	This is a Pelletization Plant and No Rolling mills are used. Hence Not Applicable.
4	Garland drains and collection pits shall be provided for each stockpile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	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.
5	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	Complied	During the material receipt from the port ensuring all the vehicles are covered with tarpaulin and cleaned wheels before entering the plant.
IV. NOISE MONITORING AND PREVENTION			
1	Noise quality shall be monitored as per the prescribed Noise Pollution	Complied	Noise Monitoring is being carried out on monthly basis by an NABL & MoEFCC accredited third-party Agency M/s Team lab.



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	(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		
1	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption	Being Complied	<ul style="list-style-type: none"> Under the Energy Conservation measures 100% LED lights installation has been successfully completed in the plant. 25 kW Solar Power System Installed at Indira Gandhi Zoological Park, Visakhapatnam under CER Initiative. Installation of 97 kW Solar Panels at Schools and Colleges in Gnanapuram, Visakhapatnam to Empower Education with Clean Energy. Installed Day light Harvest system on the Main water pump house.  <p>97 kW Solar Panels Installed at school and college</p>
VI.	WASTE MANAGEMENT		
1	Used refractories shall be recycled.	Complied	Used refractories generated only during annual shutdown. The used refractories are disposed through authorized Recyclers.
2	Kitchen waste shall be composted or converted to biogas from further use.	Being Complied	Kitchen waste is being composted by Horticulture department and the generated manure is being used for Greenbelt as manure.
VII	GREEN BELT		
	The project proponent shall prepare GHG emissions inventory for the Plant and shall submit the program for reduction of the same including carbon sequestration including plantation.	Being Complied	<ul style="list-style-type: none"> 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.
2	Project proponent shall submit a study report on De-carbonization 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	<ul style="list-style-type: none"> AMNS India has maintained good amount of greenbelt with 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: <ol style="list-style-type: none"> Implementation of Change of fuel Project from LSHS to Natural gas is under progress as per below update. <ul style="list-style-type: none"> ✓ 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.


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	activities/assessments should be measurable and monitor able with defined time frames.																				
VIII	PUBLIC HEARING AND HUMAN HEALTH ISSUES																				
1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	Complied	<p>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.</p> <div></div>																		
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 of Factory Act.	Complied	<ul style="list-style-type: none">• The observed maximum WGBT indoor values at Furnace 1 area is 27.3^oc• The observed maximum WGBT indoor values at Furnace 2 area is 27.4^oc• The observed maximum WGBT indoor values at Boiler area is 27.4^oc <p>The observed WGBT Indoor values found to be less than 27.5^o c as per guidelines provided above the work force found to be not under Heat stress.</p>																		
3	Occupational health surveillance of the worker shall be done on a regular basis and records maintained.	Being Complied	Health Surveillance is being done on regular basis and the records are being maintained at OHC by qualified Doctor.																		
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 Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as Committed.	Being Complied	<table><tr><th colspan="2">CSR & CER Expenditure from April'25 to September'25</th></tr><tr><th>Thematic Area</th><th>Expenditure (INR) in Lakhs</th></tr><tr><td>Health Initiatives</td><td>-</td></tr><tr><td>Education Initiatives</td><td>0</td></tr><tr><td>Livelihood Initiatives</td><td>2,47,805</td></tr><tr><td>Infrastructure Development</td><td>9,17,561</td></tr><tr><td>Sports & Culture</td><td>5,00,000</td></tr><tr><td>Environment</td><td>16,21,650</td></tr><tr><td>Total</td><td>32,87,016</td></tr></table>	CSR & CER Expenditure from April'25 to September'25		Thematic Area	Expenditure (INR) in Lakhs	Health Initiatives	-	Education Initiatives	0	Livelihood Initiatives	2,47,805	Infrastructure Development	9,17,561	Sports & Culture	5,00,000	Environment	16,21,650	Total	32,87,016
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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	Complied	Company has a well laid down Environment Policy.																		


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	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 / deviations/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.		
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.
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 7 th December 2022.
2	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 them for 30 days from the date of receipt.	Complied	Environment clearance document has been submitted to GVMC, APPCB.
3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results	Complied	Half yearly Compliance report for the period April '25 to September 25 along with monitored data has been uploaded on AMNS website.



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	of monitored data on their website and update the same on half-yearly basis.		
4	The Project proponent shall monitor the criteria pollutants level namely, PM ₁₀ , SO ₂ , NO _x (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	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.
6	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.	Complied	The Environment Statement for the year 2024 – 2025 was submitted to APPCB on 14 th July, 2025.
7	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.	Being Complied	PNGRB is evaluating technical offers submitted by various agencies. It is expected that the final authorization for the successful bidder will be given laying of pipeline for Mallavaram to Visakhapatnam by end of November'2025
8	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	All the Recommendations and Commitments made in the EIA/EMP report are complied with.



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9	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc.in the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to Public/Public domain.	Being Complied	The project is considered under 7(II) under EIA Notification 2006, Hence PH is exempted. Budgetary commitments given in EIA/EMP report have been complied with.				
			S . N o	Category	Proposed budget Rs in lakhs	Expenditure as on 31st September 2025	Balance budget in Rs lacs.
			1	APCE upgradation	625	615	10
			2	STP	51.8	49.89	1.91
			3	Emission monitoring repairs and upgradation	1259	1148	111
			4	Greenbelt	161	33.95	127.05
			Total Capital Expenditure		2096.8	1846.84	249.96
10	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).	Complied	Noted.				
11	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.				
12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Complied	Noted.				
13	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.				
14	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.	Complied	Noted.				



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15	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Complied	Noted.
16	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act,1986.	Complied	Noted.
17	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, with in a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,2010.	Complied	Noted.
18	The above conditions shall 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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act,1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High courts and any other court of Law relating to the subject matter.	Complied	Noted.



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