File No. J-11011/355/2004-IA-II(I) Government of India Ministry of Environment, Forest and Climate Change (Impact Assessment Division)

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

E-mail: <u>dirind-moefcc@gov.in</u> Tel: 011-24695368 Dated: 09.11.2020

Shri. Ramchandra Dalvi, Executive Director (Works) M/s. Sunflag Iron & Steel Limited, Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra-440001 Email: environment@sunflagsteel.com

Subject: Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD);
Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra-Environmental Clearance - Regarding.

Sir,

This has online application proposal reference to your vide no. IA/MH/IND/163107/2020dated 26/08/2020 in the prescribed Form 1 &2 along with copies of pre-feasibility report and addendum to the existing EIA report seeking Environment Clearance (EC) under para 7(ii) of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at Sl. No. 3(a) Metallurgical Industries (Ferrous and Non-ferrous) under Category "A" EIA Notification, 2006 and the project is appraised at the Central level.

2. The proposal cited above was considered during the 23rd meeting of Re-Constituted Expert Appraisal Committee [EAC] (Industry-1) held on 28-30th September, 2020. The EAC proceedings of the proposal cited above is given as below:

Details submitted by the project proponent

- 3. The plant had obtained Environmental Clearance vide letter no. J-11011/355/2004-IA.II(I) dated 21.02.2006 for expansion of 0.25 MTPA to 0.5 MTPA. Thereafter, amendment in EC was obtained on 12.01.2012. The plant then obtained EC for expansion from 0.5 MTPA to 1.0 MTPA vide letter dated 02.05.2017.
- 4. The present status of implementation of the product slate for 1.0 MTPA ISP capacity accorded EC by the Ministry on 02.05.2017 is furnished as below:

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Environmental Clearance for Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD); Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra.

Sl.No.	Products	Production for which EC granted dated 02.05.2017	Present Status (Operational as per CTO except *)
1	Direct Reduced Iron	1.0 MTPA	0.28 MTPA
2	Pig Iron / Hot Metal	0.6 MTPA	0.45 MTPA
3	Ingots / Billets	1.025 MTPA	1.025 MTPA
4	Rolled Steel Products	1.0 MTPA	0.75 MTPA
5	Sinter	0.85 MTPA	0.45 MTPA + 0.40 MTPA*
6	Electricity	90 MW	30 MW
7	Coke	0.25 MTPA	-
8	Oxygen Plant	15000 TPA	15000 TPA
9	Oxygen / Nitrogen / Argon Plant	45000 TPA	45000 TPA
10	Washery	750 TPD	750 TPD

* construction completed & CTO applied for

- 5. The present proposal is for seeking Environment Clearance under the provisions of para 7(ii) of EIA Notification, 2006 for the following units only, with no change nor increase in production:
 - i. Modernization Cryogenic oxygen plant (0.015 MTPA) will be replaced by VPSA oxygen plant (140 TPD).
 - Addition Combustor installation 9.5 MW (to be operated during 500 TPD DRI kiln (i.e. DRP-1) shut down to ensure WHRB operation for power generation). There will be no change nor increase in total power generation in the plant.
- 6. The consolidated product slate after proposal in production quantities are furnished as below:

Sl. No.	Products	Production & configuration for which EC granted dt 02.05.2017	Proposed amendmen (current application)	
1	Direct Reduced Iron	1.0 MTPA (4x350 TPD & 4x500 TPD Kilns)	No change	1.0 MTPA (4x350 TPD & 4x500 TPD Kilns)
2	Pig Iron / Hot Metal	0.6 MTPA (1 X 0.25 MTPA existing + 0.05 MTPA existing capacity Utilization + 1 x 0.30 MTPA MBF)	No change	0.6 MTPA (1 X 0.25 MTPA existing + 0.05 MTPA existing capacity Utilization + 1 x 0.30 MTPA MBF)
3	Ingots / Billets	1.025 MTPA (2x25 TPH IF & 1x50/60 EAF + 1x50 TPH EAF, 75 TPH AOD)	No change	1.025 MTPA (2x25 TPH IF & 1x50/60 EAF + 1x50 TPH EAF, 75 TPH AOD)
4	Rolled Steel Products	1.0 MTPA (2x70 TPH, 2x60 TPH, 2x14 TPH)	No change	1.0 MTPA (2x70, 2x60, 2x14 TPH)

Environmental Clearance for Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD); Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra.

Sl. No.	Products	Production & configuration for which EC granted dt 02.05.2017	Proposed amendmen (current application)	Total
5	Sinter	0.85 MTPA (1 X 0.25 MTPA existing + 0.20 MTPA existing capacity Utilization + 1 x 0.40 MTPA)		0.85 MTPA (1 X 0.25 MTPA existing + 0.20 MTPA existing capacity Utilization + 1 x 0.40 MTPA)
6	Electricity	90 MW	No change	90 MW
6.a.*	Combustor with coal crusher and coal handling plant	Nil	Hot flue gas generation for Steam generation @45 TPH for Power generation @ capacity : 9.5 MW	9.5 MW (part of 90 MW above)
7	Coke	0.25 MTPA	No change	0.25 MTPA
8	Oxygen Plant	15000 TPA	Will be dismantled	0
9	Oxygen / Nitrogen / Argon Plant	45000 TPA	No change	45000 TPA
9.a.*	VPSA Oxygen Plant	NIL	140 TPD	140 TPD
10	Washery	750 TPD	No change	750 TPD

* modernisation/ addition

7. The layout plan has been submitted showing the location of the VPSA oxygen and combustor.

 The location of plant can be seen in Survey of India Open Series Map No. F44N12. The coordinates of four corners of the plant including the ash dumping area (located within it) are as follow. The average ground elevation of the project area is 275 m AMSL.

Corners	Latitude	Longitude
А	21°13'30"	79°37'58"
В	21°13'45"	79°38'32''
С	21°14'16''	79°38'26''
D	21°14'05''	79°37'11"

- 9. There is no additional requirement of water, power, raw material and land due to proposed modernization of oxygen plant or addition of combustor. The maximum total fresh water requirement will remain same as in EC i.e., 15,098 KLD. Power requirement will reduce from 120 MW to 118.07 MW due to reduced power consumption of VPSA oxygen plant. The maximum raw material will remain same as in EC i.e. 10.15 MTPA (both in-house & outhouse) and land requirement (200 ha) will remain same.
- It has been reported that the Kola WLS is located at a distance of 8.7 km (East) from the site. No Schedule I species is found in the study area except in Koka WLS, which are already in a protected area.
- 11. The existing baseline status based on the data collected during the post project monitoring for the existing EC is given below (period: October 2019 to March 2020):

Environmental Clearance for Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD); Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra.

Ambient air quality monitoring: PM_{10} (52.3 to 93.7 µg/m³), $PM_{2.5}$ (22.6 to 55.5 µg/m³), SO_2 (7.04 to 14.5 µg/m³) and NO_2 (13.5 to 33.4 to µg/m³).

Wastewater from the project: pH (6.63 to 8.42), TSS (2.8 to 92 mg/l, BOD (3 to 64 mg/l), COD (81.6 to 240mg/l), TDS (340 to 1260 mg/l), Cl (35.8 to 286 mg/l), SO₄(23.3 to 256.2 mg/l), Fe (0.16 to 0.41 mg/l) and O&G <0.2 mg/l.

Noise level: In the range of 52.5 to 74 dBA for day time and 46.3 to 64.2dBA for night time.

12. The pollution load assessment is given below:

Air Emissions - There will be no increase in net emission due to following:

- (i) Stack emissions The overall coal combustion will decrease by 475 TPD, therefore, the net emissions will be lower than those sanctioned vide EC dated 02.05.2017. When the standby combustor will operate during shut down of DRP-1, the PM₁₀ is expected to reduce by 0.01, SO₂ by 0.21 and NOx by 0.58 µg/cum.
- (ii) Fugitive emissions There is no increase in incoming raw material but decline in coal by 475 TPD during combustor operation. Thus, the overall emissions from the plant will stay within previously sanctioned capacity as per EC dated 02.05.2017.

Impact due to transportation - The coal and iron ore are both coming by rail and only dolomite comes by road. Thus, the public roads will experience a reduction of approximately 6 trucks/day of dolomite to & fro (20T).

Effluent Generation - The maximum effluent generation of plant will remain same except when combustor will be operational and reduction of effluent generation by 7 KLD will occur.

Solid Waste (For Disposal) - The solid waste generation will remain same when combustor will not be operational and there will be reduction of solid waste by 58.7 TPD will be there when combustor will be operational.

13. Environment Management Plan for the proposed units is as follows:

- a) VPSA oxygen plant there will be no polluting air emissions and no solid or hazardous waste generation. Waste water generated will be connected to the existing waste water treatment systems.
- b) Combustor The flue gas of the combustor will be connected to the existing stack and ESP of the DRP-1, because either combuster or DRP-1 will operate at any given time. The waste water will be connected to the existing waste water treatment systems.
- 14. The capital cost of the proposed modernization and addition is Rs 54.93 Crores. Proposed Corporate Environment Responsibility will be Rs. 54.93 lakhs for the additional investment proposed. It will be spent on health & education infrastructure and environment improvement.
- 15. The total green area is 72 ha, which is 36% of the total area. It is reported that the green belt equivalent to 33% of the plot area has been developed. Total 493594 trees have been planted till date.
- 16. The details of earlier public consultations conducted along with the compliance to the issues raised during public hearing are furnished as below:

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File No.	Date	Capacity	Date of Public hearing	Remarks
J- 11011/355/2004- IA.II(I)	21.02.2006	0.5 MTPA Integrated Steel Plant with Coke oven plant, MBF, CPP, Wire road block, Coal dust injection facility, DRI Plant, oxygen plant, etc.	02.09.2005	PH was conducted on 02.09.2005 at the Meeting hall, Collector office, Bhandara. The issues raised were fire tender, ambulance, drinking water, unemployment, increase in pollution, etc. Sunflag is regularly providing fire tender as social responsibility, employment to the villagers, health care, etc. Sunflag also informed that norms stipulated by CPCB and MPCB are being followed and steps taken to control and reduce pollution.
J- 11011/355/2004- IA.II(I)	02/05/2017	Expansion of ISP from 0.5 MTPA to 1.0 MTPA	05/05/2016	PH was conducted on 05/05/2016 at the premises of Sunflag Iron& Steel Company Ltd., Bhandara Road, Warthi, Taluk Mohadi, Dist.Bhandara. The issues raised were employment opportunity, training, skill development, education, provision of health care, water supply facilities, pollution control measures, avenue plantation etc. Action plans with budgets were earmarked for environmental improvement, CSR, pollution control system, community capacity building, ambulance, control of water pollution, greenbelt development and maintenance and education. The same are under

17. The proponent has mentioned that there is no court case or violation under EIAs Notification to the project or related activity.

18. The proponent has mentioned that there is no show causes notices/direction under Air Act, Water Act and Environment (Protection) Act, 1986to the project or related activity.

Environmental Clearance for Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD); Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra.

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19. Name of consultant: Min Mec Consultancy Private Limited, New Delhi. The consultant is preparing and presenting reports as per the High Court of Delhi orders in LPA 110/2014 and CM No.2175/2014 (stay) and W.P.(C) 3665/2016.

Certified compliance report by Regional Office

-20. Certified compliance report monitoring (plant visit) was carried out by MOEF&CC Regional Office, Nagpur on 05.12.2018 and some compliance requirements were issued vide letter no. EC-500/RON/2017-NGP/5275 dated 29.04.2019. The response was submitted vide letter no. SISCO/ENV/2019 dated 06.05.2019. Thereafter, MOEF&CC, Regional office, Nagpur issued compliance status vide letter no. EC-500/RON/2017-NGP/5563 dated 25.07.2019. The action taken report for the identified non compliances were submitted by M/s Sunflagvide letter no. SISCO/ENV/2019/2524A dated 05.08.2019. The same has now been considered and forwarded by DDGF(Central), Regional Office, Nagpur to MOEF&CC, New Delhi vide letter no. EC-500/RON/2017-NGP/5712 dated 13.09.2019 for further action.

S. No.	Condition No.	Non Compliance identified by MoEF&CC RO, Nagpur	Action taken details
1	General- xv	PA did not inform the details of financial closure and final approval to Regional office.	Prospective lenders funding the proposed expansion have awarded part sanction and the formalities are ongoing. Therefore, financial closure for entire project is yet to be completed.
2	General- x & xi	PA did not upload the copies of EC and six monthly compliance report to company website	PP now uploaded at website of the Sunflag company as www.sunflagsteel.com
3	General- xii	Status of the expansion project was not mentioned in the report. Also compliance made in existing plant (0.5 MTPA) against the condition stipulated is not being mentioned.	As on date the expansion project is partially implemented. All the specific details of existing plant and proposed activities will be incorporated in the upcoming six monthly report. The same has been now submitted till March 2020.
4	Specific - xxi	PA did not provide any time bound action plan for the expenditure of 5% of the total cost of the project towards enterprise social commitment	Expenditure on social commitment works out as Rs 261.12 lakhs of investment made till 2018-19.The social commitment has been fulfilled for an amount of Rs. 202.26 lakhs and the action plan for the implementation of balance has been submitted for next 5 years covering health, education, sanitation, skill development, infrastructure etc.
5	Specific- xxiii	PA did not provide the copy of Environmental Policy	

The status of closure of the non-compliances as forwarded by the Regional Office, Nagpur to MoEF&CC, New Delhi vide letter dated 13.09.2019 is submitted by PP as below:

Environmental Clearance for Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD); Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra.

Observations of the Committee

- 21. The Committee noted the following:
 - i. PP wants to install a new boiler to support existing power generation system during shut down of DRI kilns to maintain power supply to the rest of the steel plant.
 - This would not increase any pollution as during its operation the DRI kilns will not operate.
 - iii. PP also wants to change the design of Oxygen plant of 15000 TPA capacity from Cryogenic to PSA type. This also would not increase pollution as PSA technology is more environment friendly in terms of energy consumption.
 - iv. PP is using coal having 1.2% Sulfur.
 - v. As per the records made available by the project proponent, there is no increase in ISP production capacity due to the proposed modernization.
 - vi. The Committee noted that the addendum EIA/EMP report is found to be in order reflecting the present environmental concerns and the projected scenario for all the environmental components.
 - vii. The Committee satisfied with the action taken report submitted by PP with respect to the compliance status of the existing ECs.
 - viii. The EAC has carried out requisite due diligence of the instant proposal and considered the same under para 7(ii) (a) of the EIA Notification, 2006 and dispense with the requirement of conducting fresh public consultation in light of the observations mentioned above.

Recommendations of the Committee

22. In view of the foregoing and after detailed deliberations, the committee recommended the instant proposal for grant of Environment Clearance under para 7(ii) of EIA Notification, 2006 subject to the following specific conditions and general conditions as per the Ministry's Office Memorandum No. 22-34/2018-III dated 9/8/2018 pertaining to integrated steel plants based on project specific requirements:

A. Specific conditions

- i. PP shall use low Sulfur coal in the Combustor. Post Combustion control for SO₂⁻ emission shall be included for coal with sulphur content of 1.2%.
- ii. CEMS shall be installed on the of Combustor stack.
- iii. Entire quantity of dolo char generated shall be used for power generation inside steel works itself.
- iv. Combustor shall be designed to achieve PM, SO₂ and NOx emission norms notified by MoEF&CC in December, 2015.

B. General Conditions

I. Statutory compliance:

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

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II. Air quality monitoring and preservation

i.

- The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986.—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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- i. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- ii. Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
- iii. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- iv. Secondary emission control system shall be provided at SMS Converters.
- v. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- vi. Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).
- vii. Land-based APC system shall be installed to control coke pushing emissions.
- viii. Monitor CO, HC and O₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
- ix. The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
- x. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xi. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

- The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. 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 recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. The project proponent shall provide the ETP for coke oven to meet the standards prescribed in G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7thDecember 2015 (Thermal Power Plants) as amended from time to time as amended from time to time;
- iv. Adhere to 'Zero Liquid Discharge'

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- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.

vii. Tyre washing facilities shall be provided at the entrance/exit of the plant gates

- viii. CO₂ injection shall be provided in GCP of SMS to reduce pH in circulating water to ensure optimal recycling of treated water for converter gas cleaning.
- ix. Water meters shall be provided at the inlet to all unit processes in the steel plants.
- x. The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

VI. Waste management

- i. An attrition grinding unit to improve the bulk density of BF granulated slag from 1.0 to 1.5 Kg/l shall be installed to use slag as river sand in construction industry.
- ii. In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximize heat recovery.
- iii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
- iv. Used refractories shall be recycled as far as possible.
- v. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- vi. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.
- vii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues

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

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IX. Corporate Environment Responsibility

- 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/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. 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.

X. Miscellaneous

i.

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; 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.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest, and Climate Change (MoEF&CC).

Environmental Clearance for Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD); Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra.

- x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xiv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 23. The Ministry considered the above recommendation of EAC and here by decided to accord Environmental Clearance for the Modernization and addition in configuration of Integrated steel plant of existing project mentioned in the subject above to M/s Sunflag Iron & Steel Ltd. with specific and general conditions mentioned at para 22 above.

This issues with the approval of Competent Authority.

grawal) Director

Copy to:

- 1. Secretary, Department of Environment and Forests, Government of Maharashtra, Secretariat Mumbai.
- Deputy Director General of Forests (C), Ministry of Environment & Forests, Regional Office, (WCZ) Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur-440001.
- Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
- Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G Marg, New Delhi-110001.
- Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th Floor, Sion Matunga Scheme, Road No.8, Opp. Cine Planet Cinema, Near Sion Circle, Sion(East), Mumbai- 400 022.
- 6. District Collector, Bhandara District, State of Maharashtra.
- 7. Guard File/Monitoring File/Record File.

(A.K. Agrawal) Director

Environmental Clearance for Modernization and addition in configuration of Integrated steel plant [Modernization - Cryogenic oxygen plant (0.015 MTPA) replaced by VPSA oxygen plant (140 TPD); Addition - Combustor installation - 9.5 MW (as an alternate to 500 TPD DRI kiln] without any change in total production of steel by M/s. Sunflag Iron & Steel Ltd. at Villages Warthi, Sirsi & Eklari, Tehsil Mohadi, District Bhandara, Maharashtra.

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