



File No: IA-J-11011/453/2023-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date **26/09/2025**



To,

M/s. VANYA STEELS PRIVATE LIMITED
A One House No. 326, Back portion, First floor, Ward no. 8,
CQAL Layout, Sahakar Nagar, Bengaluru, KOPPAL, KARNATAKA, 560092
E-mail: projectsvanya@gmail.com

Subject: **Amalgamation of Environmental Clearances, Expansion and Modification of the existing sponge iron plant into 'Integrated Steel Plant' with increase in project area, increase in production capacity of the sponge iron plant and by adding mineral beneficiation plant, pelletization plant, induction furnace, submerged arc furnace, billet caster, rolling mill, pipe mill, galvanizing plant, oxygen plant, cement grinding unit and captive power plant (WHRB and AFBC) by M/s Vanya Steels Private Limited, located at:-Hirebaganal Village, Koppal Taluka and District, Karnataka- Consideration of EC.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/KA/IND1/503405/2024 dated 25/03/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A1001KA5630857N
(ii) File No.	IA-J-11011/453/2023-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous)
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Amalgamation of Environmental Clearances, Expansion and Modification of the existing sponge iron plant into 'Integrated Steel Plant' with increase in project area, increase in production capacity of the sponge iron plant (one kiln with preheater technology) and by adding mineral beneficiation

	plant, pelletization plant, induction furnace, submerged arc furnace, billet caster, rolling mill, pipe mill, galvanizing plant, oxygen plant, cement grinding unit and captive power plant (WHRB and AFBC)
(viii) Name of Company/Organization	VANYA STEELS PRIVATE LIMITED
(ix) Location of Project (District, State)	KOPPAL, KARNATAKA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at schedule no. 3(a) Metallurgical Industries (ferrous & non-ferrous), 2(b) Mineral Beneficiation, 3(b) Cement Plants and 1(d) Thermal Power Plants under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

4. The instant proposal is considered in 2nd EAC held during 23rd – 25th April, 2025, wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The EAC proceedings of the said meeting can be seen using the following web link: at <https://parivesh.nic.in>.

5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

7. The EAC, in its 2nd EAC held during 23rd – 25th April, 2025, inter-alia, deliberated the following:

i. The instant proposal is for amalgamation of Environmental Clearances, Expansion and Modification of the existing sponge iron plant into ‘Integrated Steel Plant’ with increase in project area, increase in production capacity of the sponge iron plant (one kiln with preheater technology) and by adding mineral beneficiation plant, pelletization plant, induction furnace, submerged arc furnace, billet caster, rolling mill, pipe mill, galvanizing plant, oxygen plant, cement grinding unit and captive power plant (WHRB and AFBC).

ii. The existing project was accorded environmental clearance from Forest, Ecology and environment department, Government of Karnataka to M/s Vanya Steels Pvt. Ltd., vide letter No. FEE 11 ECO 06 dated 02.03.2006, for operating 60,000 TPA capacity (2 x 100 TPD) sponge iron plant. Further, M/s VSPL purchased the plant of M/s Trivista along with the total land owned by M/s. Trivista on 07.12.2018 for which EC was granted from MoEF, vide letter no. File No. J-11011/269/2007-IA-II, dated 03.07.2008 for operating Sponge Iron Plant (2x100 TPD DRI Kilns) – 60,000 TPA, Induction Furnace – 7T and Captive Power Plant – 4 MW. M/s Vanya Steels Private Limited has obtained Transfer of Environmental Clearance (EC) for the plant from MoEF&CC, vide Proposal No. IA/KA/IND/111231/2019 and Transfer of Environmental Clearance vide letter File No. J-11011/269/2007-IA-II(I) dated 14.07.2020. Change of Name in the CFO -from Trivista Steel & Power Limited to M/S Vanya Steels PVT. Ltd, vide this corrigendum dated 30.04.2022 (All the CTE/CFOs issued in the name of MS Trivista are transferred to M/s Vanya Steels Pvt. Ltd.). Consent to Operate has been issued for Sponge iron (2 x 100 tpd) 60,000 TPA) vide letter AW-332542, dated 29.07.2022 (for Vanya plant) which is valid till 30.06.2027. CTO for Sponge Iron (30000 TPA), proposed 1 x 100TPD under (Former Trivista Plant), was granted vide letter AW-332540, dated 29.07.2022 valid till 30.06.2024.

iii. The EAC noted the following with respect to the expansion proposal of M/s. Vanya Steel Private Limited:

· M/s Vanya Steels Private Limited (M/s VSPL), initially applied for grant of ToR vide Proposal No IA/KA/IND/208301/202, dated 17.04.2021 for expansion and modification of existing sponge iron plant into an Integrated Steel Plant for standard ToR was granted vide letter dated 21.04.2021.

· Further, VSPL sought for Amendment in ToR on 04/06/2022 for Revised Plant configuration and capacity of the Plant with the addition of Submerged Arc Furnace of capacity- 2 No. x 10 MVA and 1 No. X 20 MVA to produce 90,000 TPA Ferro alloys products and increase the Billet Caster capacity (for casting of liquid metal to convert into billet) from 325000TPA to 525000 TPA. Amendment in ToR was granted on 16.08.2022.

· The Project Proponent prepared the EIA and submitted to KSPCB to conduct the Public Hearing on 22/11/2022. Meanwhile Karnataka State Elections were declared and due to which Public Hearing was kept on hold till the new Government was formed.

· Meanwhile, the Project Proponent could acquire additional land of 79 Acres for which, Project Proponent approached the MoEFCC for amendment in ToR for increase in Project area.

· EAC heard the project in its 46th EAC on 11.10.2023 and asked the Project Proponent to apply for Fresh ToR covering all the aspects granted in earlier grant of ToR and as sought for the additional land in the instant proposal.

· M/s VSPL applied for Fresh ToR on 27/11/2023, for expansion and modification of existing sponge iron plant into an Integrated Steel Plant with increase in project area (from existing 72.44 acres to proposed 154.37 acres) on 27.11.2023.

· The Project was appraised during 50th EAC to held on 15/12/2023 wherein EAC asked to submit application afresh for grant of ToR for amalgamation of EC and expansion and modification of existing sponge iron plant into an Integrated steel Plant.

· PP applied afresh for grant of ToR for Amalgamation of EC and Expansion and modification. The proposal 52nd meeting of the EAC for Industry-I sector held on 23rd– 25th January, 2024 and recommended for grant of ToR. Accordingly, TOR was issued by MoEF&CC on 20.02.2024.

· PP has now applied for EC submitting the EIA/EMP Report post Public Hearing.

iv. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

v. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

vi. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/ information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

vii. The Committee noted that the EIA report reflects the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/ explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

viii. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

ix. The EAC reviewed the compliance statement submitted by the project proponent regarding the applicability of MoEF&CC's Office Memorandums and Notifications to their proposal which include aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the

submission satisfactory for further appraisal of the proposal.

x. PP submitted that total land is 154.37- Acres [Existing – 72.44 acres, Additional for expansion – 81.37 acres]. Land acquisition is completed and entire land has been converted for industrial purposes.

xi. Hirebanganal Village is located at a distance of 1.5 km (W) from the project site along with other sensitive areas within the study area of the project site. The EAC opined that proponent shall take 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, especially in stretches which are close or adjoining to the habitations. The PP shall also include some of these locations in its environmental monitoring programme.

xii. Tungabhadra Reservoir -1.4 km (S) and other water bodies are present within the study area of the project site. The EAC opined that PP shall prepare a robust and foolproof Drainage Conservation scheme/ watershed management plan to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xiii. Existing Water requirement is 71 m³/day, which is obtained from Tungabhadra water reservoir. The water requirement for the proposed project is estimated as 1255 m³/day, out of which industrial requirement is 1110 m³/day and Domestic requirement is 145 m³/day of water. The source of water will be local water supply/Tungabhadra water reservoir. The EAC deliberated on the revised water balance and requirement details submitted by the project proponent and found it satisfactory.

xiv. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and found it satisfactory.

xv. It is reported that as per the Wildlife Amendment Act, 2022, there are 7 nos of schedule-I species present in the study area i.e. Grey Langur, Indian Fox, Smooth-coated Otter, Viper, Indian Cobra, Cabbage (Butterfly), Common Tiger (Butterfly). The Wildlife conservation plan is submitted to DCF, Koppal on 22.08.2024. The budget is Rs. 40 Lakhs to be spend in 5 years. The EAC opined that PP shall strictly implement the recommendations that will be made in the approved plan in consultation with the State Forest Department.

xvi. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xvii. The EAC opined that PP shall implement skill development programs (mentioned in PH Action plan) in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

xviii. The PP submitted that existing green belt has been developed in 3.0 ha area which is about 10 % of the total project area of 29.31 ha with total sapling of 15000. Proposed greenbelt will be developed in Additional area of 21.0 ha. which is about 34.4 % of the total project area. Thus, total of 24.0 ha area (44.4 % of total project area) will be developed as greenbelt. Total no. of 150000 nos. of saplings will be planted and nurtured in 24.0 hectares in 3 years. The EAC deliberated on the greenbelt plan and is of the opinion that greenbelt shall be developed as committed.

xix. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xx. The EAC deliberated on the certified compliance reports of IRO, MoEF&CC along with ATR submitted by the project proponent on the observations made by IRO related to partially/non-complied conditions and review report of IRO and MoEF&CC and opined that PP shall strictly comply with the observations of IRO.

xxi. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xxii. The EAC deliberated on the written submission of the project proponent and found it satisfactory.

xxiii. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xxiv. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. 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. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxv. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its 2nd EAC held during 23rd – 25th April, 2025, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general EC conditions as detailed in the point below.

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto, and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) that grant of EC is subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The grant of EC does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. Accordingly, it is hereby decided to **grant of amalgamated Environment Clearance (with Expansion and Modification of the existing sponge iron plant into 'Integrated Steel Plant')** for instant proposal of **M/s. Vanya Steels Private Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**).

10. 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.

11. 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.

12. Any appeal against this environmental clearance 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.

13. 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.

14. This issues with approval of the competent authority.

Copy To

1. The Secretary, Department of Environment, Government of Karnataka, Secretariat, Bangalore-560 001.
2. **The Chairman, Karnataka State Pollution Control Board, No. 25, 6– 9th Floor, Public Utility Building, M.G. Road, Bangalore 560 001 - with a request to initiate action in line with the provisions of OM dated 14-01-2025**
3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore – 560034
4. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
5. The Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. The Chief Wildlife Warden, Govt. of Karnataka, Aranya Bhawan, 18th Cross, Malleswaram, Bangalore-560003
7. The District Collector, Koppal District, Karnataka.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. Guard File/Monitoring File/Website/Record File/Parivesh Portal.

(Dinesh Runiwal)
Scientist 'F'/Director

Annexure 1

Specific EC Conditions for (Metallurgical Industries (Ferrous And Non Ferrous))

1. Specific

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final 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.
1.2	PP has requested for amalgamation of ECs also vide this proposal, accordingly, the instant EC shall supersede the previous ECs issued by the Competent Authorities of State/ Centre.
1.3	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.
1.4	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

S. No	EC Conditions
1.5	Hirebanganal Village is located at a distance of 1.5 km (W) from the project site along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise 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.
1.6	Tungabhadra Reservoir -1.4 km (S) and other water bodies are present within the study area of the project site. A robust and foolproof 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.
1.7	Existing Water requirement is 71 m ³ /day, which is obtained from Tungabhadra water reservoir. The water requirement for the proposed project is estimated as 1255 m ³ /day, out of which industrial requirement is 1110 m ³ /day and Domestic requirement is 145 m ³ /day of water. The source of water will be local water supply/Tungabhadra water reservoir. PP shall obtain necessary permission from the Competent Authority.
1.8	PP shall abide by the directives of IRO/MoEF&CC based on the observations in certified compliance report.
1.9	Three tier Green Belt shall be developed in atleast 33% of the project area, as committed, 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 nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC. The project proponent shall implement the proposed incentive scheme to enhance plantation survival by providing an appropriate incentive to villagers for outside plantation.
1.10	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% or 40% greenbelt area, as the case may be, as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in).
1.11	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 15.50 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC. An institutional mechanism shall be established to effectively implement the Public Hearing action plan, including regular monitoring and stakeholder engagement. Additionally, a dedicated system for managing and addressing public grievances shall be set up, and its functioning shall be reviewed periodically. The progress of implementation and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
1.12	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village in consultation with the State Administration.

S. No	EC Conditions
1.13	PP shall implement the skill development programs, proposed under PH Action plan, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1.14	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.
1.15	Environmental Awareness Program shall be carried out along with health awareness programs in area surrounding the project. The records of the same shall be maintained and submitted to IRO, MoEF&CC.
1.16	CO sensors with alarm must be installed at strategic locations in the Plant.
1.17	The health of the soil in the vicinity of the Plant (5 K.M. radius) must be monitored periodically and reported to IRO.
1.18	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1.19	Necessary coordination shall be made with concerned SPCB (who is responsible for Compliance of OM dated 14-01-2025) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE.

Standard EC Conditions for (Metallurgical Industries (ferrous and non ferrous))

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
1.2	This Environmental clearance is granted subject to final 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.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	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) 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.
2.2	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.
2.3	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.
2.4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	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 prescribed stack emission and fugitive emission standards.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.9	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.
2.10	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.11	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.12	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

S. No	EC Conditions
2.13	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.14	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 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.
2.15	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.16	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.
2.17	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.18	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.

3. Air Quality Monitoring And Preservation In Case Of Ferro Alloy Plants

S. No	EC Conditions
3.1	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
3.2	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
3.3	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
3.4	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m ³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants. (in case of Silico Manganese and Ferro Silicon alloy steel)
3.5	Provide Low NO _x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO _x emissions.
3.6	The emission norms applicable for the cement plant shall be adhered to.

S. No	EC Conditions
3.7	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
3.8	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm ³ by using best available technology.
3.9	Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limits.
3.10	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
3.11	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
3.12	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.
3.13	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
3.14	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
3.15	Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	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 these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	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.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex

S. No	EC Conditions
	by segregation of used water, practicing cascade use and by recycling treated water.
4.6	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.
4.7	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 run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
4.9	Air Cooled condensers shall be used in the captive power plant.
4.10	Tailing management plan shall be implemented as included in EIA report.
4.11	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.

5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	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.
5.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
5.3	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.

6. Energy Conservation Measures

S. No	EC Conditions
6.1	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
6.2	Restrict Gas flaring to < 1%.
6.3	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
6.4	Provide LED lights in their offices and residential areas.

7. Energy Conservation Measures In Case Of Reheating Furnace

S. No	EC Conditions
7.1	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
7.2	Practice hot charging of slabs and billets/blooms as far as possible.
7.3	Ensure installation of regenerative type burners on all reheating furnaces

8. Energy Conservation Measures In Case Of Dri Kilns (Sponge Iron)

S. No	EC Conditions
8.1	The project proponent shall provide waste heat recovery system on the DRI Kilns.
8.2	The dolochar generated shall be used for power generation.
8.3	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
8.4	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
8.5	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
8.6	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
8.7	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
8.8	Waste heat recovery system shall be provided for kiln and cooler.

9. Waste Management

S. No	EC Conditions
9.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
9.2	Kitchen waste shall be composted or converted to biogas for further use.
9.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
9.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all

S. No	EC Conditions
	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 on 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.
9.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
9.6	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. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.

10. Waste Management In Case Of Sinter Plant

S. No	EC Conditions
10.1	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
10.2	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
10.3	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.

11. Green Belt

S. No	EC Conditions
11.1	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.
11.2	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 activities/ assessments should be measurable and monitor able with defined time frames.
11.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

12. Public Hearing And Human Health Issues

S. No	EC Conditions
12.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
12.2	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.
12.3	Provision shall be made for the housing of construction labour 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 may be in the form of temporary structures to be removed after the completion of the project.
12.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

13. Environment Management

S. No	EC Conditions
13.1	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.
13.2	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/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.
13.3	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.
13.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

14. Miscellaneous

S. No	EC Conditions
14.1	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

S. No	EC Conditions
	within seven days and in addition this shall also be displayed in the project proponent's website permanently.
14.2	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 the same for 30 days from the date of receipt.
14.3	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.
14.4	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.
14.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
14.6	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.
14.7	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.
14.8	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 the concerned authorities, commencing the land development work and start of production operation by the project.
14.9	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.
14.10	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 MoEF&CC.
14.11	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.
14.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
14.13	Concealing factual data or submission of false/fabricated data may result in revocation of this

S. No	EC Conditions
	environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
14.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
14.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
14.16	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 / information/monitoring reports.
14.17	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.

Additional EC Conditions

Not Applicable



Details of the proposal are as per the EIA/EMP report

S. No.	Particulars	Details			Remarks
i	Total land	62.44 Ha [154.37- Acres (Existing – 72.44 acres, Additional for expansion – 81.37 acres)]			The project is existing and fully implemented. The land is already converted for industrial use.
ii	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Land acquisition is completed and entire land has been converted for industrial purposes			
	Sl. No.	Particulars	Existing Land with Survey Nos.	Proposed expansion-increase in land, additional land survey nos.	Total land details (For Application for grant of TOR for expansion and modification in EC)
	1	Location of the industry	Sy. No. 45 (now as 45/A), 47, 48, 49-A, 50-62 (50/3, 52/A, 52/B, 53, 54, 55, 57/1, 57/2, 57/3, 57/4, 57/6, 58/2, 59, 60, 61/3, 62/3, 62/B (62/1), 62/2), Kasankandi Road, Hirebaganal, Koppal, Karnataka – 583228	Sy. No. 10/1, 10/2, 10/3, 10/4, 56/1, 56/2, 56/3, 56/4, 101/4, 102/1, 102/2, 102/3, 102/4, 103/1, 103/2, 103/3, 103/4, 103/5, 107/1, 107/2, 107/3, and 107/4 Hirebaganal, Koppal, Karnataka -583228	45/A, 47, 48, 49A, 50/3, 52/A, 52/B, 53, 54, 55, 57/1, 57/2, 57/3, 57/4, 57/6, 58/2, 59, 60, 61/3, 62/3, 62/B (62/1), 62/2, 10/1, 10/2, 10/3, 10/4, 56/1, 56/2, 56/3, 56/4, 101/4, 102/1, 102/2, 102/3, 102/4, 103/1, 103/2, 103/3, 103/4, 103/5, 107/1, 107/2, 107/3, and 107/4, Hirebaganal, Koppal, Karnataka -583228
	2	Total Extent of land	72.44 acres	81.93 acres	154 acres 37 gunthas
iii	Existence of habitation & involvement of	Project site: The project is located within Industrial area			

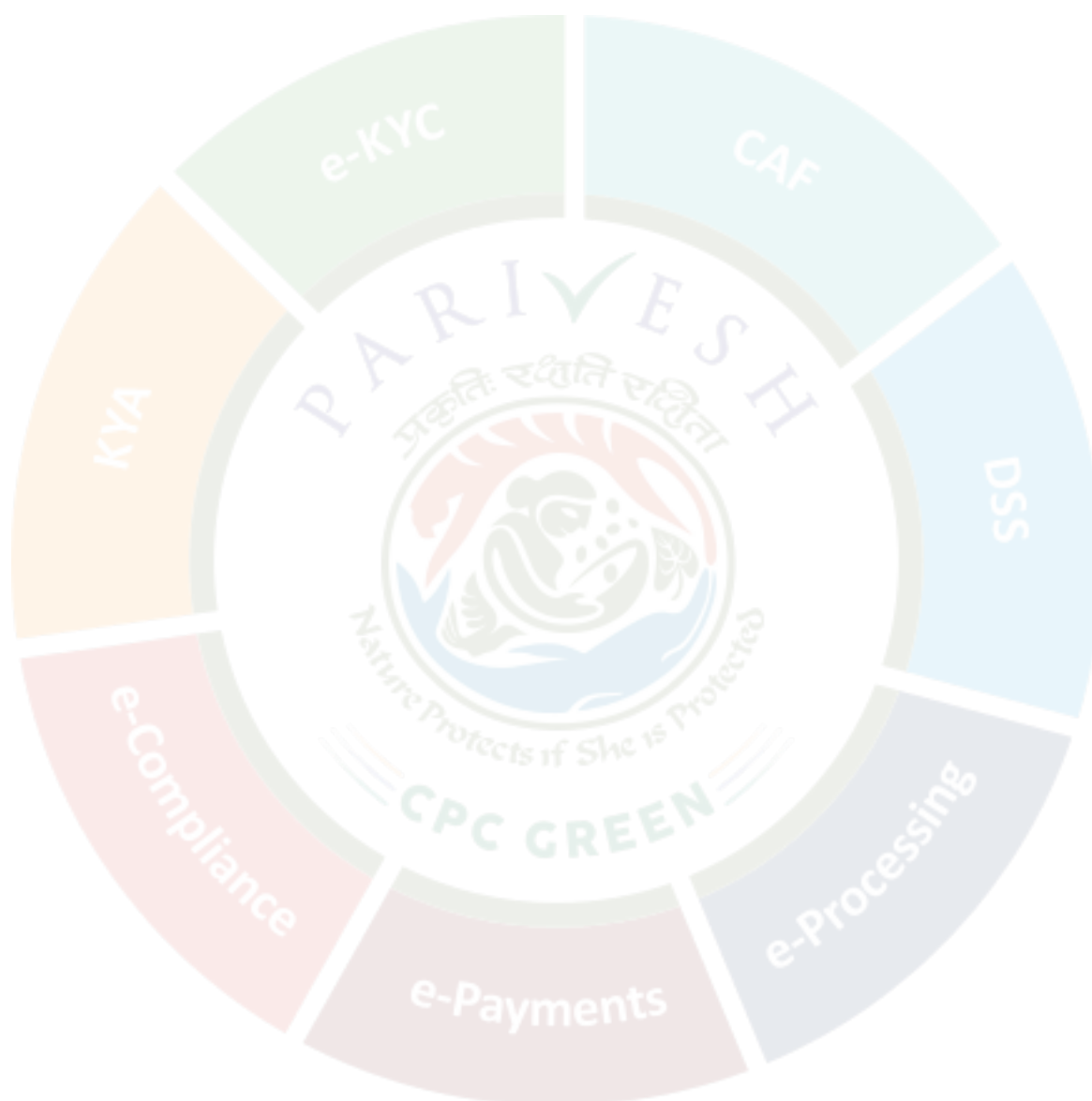
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4.	BP-4	N15°18'46.95"	E076°15'40.14"																																																																																																																																																											
5.	BP-5	N15°18'46.82"	E076°15'48.77"																																																																																																																																																											
6.	BP-6	N15°18'43.47"	E076°15'49.28"																																																																																																																																																											
7.	BP-7	N15°18'43.33"	E076°15'51.47"																																																																																																																																																											
8.	BP-8	N15°18'35.97"	E076°15'49.82"																																																																																																																																																											
9.	BP-9	N15°18'36.43"	E076°15'54.19"																																																																																																																																																											
10.	BP-10	N15°18'31.22"	E076°15'54.97"																																																																																																																																																											
11.	BP-11	N15°18'31.26"	E076°15'58.95"																																																																																																																																																											
12.	BP-12	N15°18'27.22"	E076°15'59.71"																																																																																																																																																											
13.	BP-13	N15°18'26.36"	E076°15'53.95"																																																																																																																																																											
14.	BP-14	N15°18'24.43"	E076°15'53.52"																																																																																																																																																											
15.	BP-15	N15°18'24.58"	E076°15'52.53"																																																																																																																																																											
16.	BP-16	N15°18'22.61"	E076°15'52.57"																																																																																																																																																											

S. No	Particulars	Details				Remarks																				
		<table><tr><th>S. No.</th><th colspan="3">GPS Co-ordinates of proposed additional Land for expansion beside New Plant-01</th></tr><tr><td>1.</td><td>BP-1</td><td>N15°18'40.89"</td><td>E076°15'25.24"</td></tr><tr><td>2.</td><td>BP-2</td><td>N15°18'47.43"</td><td>E076°15'25.35"</td></tr><tr><td>3.</td><td>BP-3</td><td>N15°18'47.25"</td><td>E076°15'39.56"</td></tr><tr><td>4.</td><td>BP-4</td><td>N15°18'39.84"</td><td>E076°15'38.08"</td></tr></table>				S. No.	GPS Co-ordinates of proposed additional Land for expansion beside New Plant-01			1.	BP-1	N15°18'40.89"	E076°15'25.24"	2.	BP-2	N15°18'47.43"	E076°15'25.35"	3.	BP-3	N15°18'47.25"	E076°15'39.56"	4.	BP-4	N15°18'39.84"	E076°15'38.08"	
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v	Elevation of the project site	Around 500 m above mean sea level																								
vi	Involvement of Forest land if any.	No involvement of Forest land.																								
vii	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: Nil Study Area <table><tr><th>Water Body</th><th>Distance</th><th>Direction</th></tr><tr><td>Tungabhadra Reservoir -1.4 km</td><td>(S) 4Km</td><td>S</td></tr></table>				Water Body	Distance	Direction	Tungabhadra Reservoir -1.4 km	(S) 4Km	S															
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Tungabhadra Reservoir -1.4 km	(S) 4Km	S																								
viii	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Nil																								

Unit configuration and capacity

Sr. No.	Name of the Facility	As per existing ECs	Proposed Expansion – Configuration	Total Capacity (Existing +Proposed Expansion) for TOR
1.	Beneficiated Iron Ore	-	0.6 MTPA	0.6 MTPA
2.	Billets	-	0.525 MTPA	0.525 MTPA
3.	Structural pipe	-	1.0 MTPA (structural pipe)	1.0 MTPA (structural pipe)
4.	Galvanized Products	-	0.150 MTPA galvanized products	0.150 MTPA galvanized products
5.	PPC and PSC Cement	-	0.6 MTPA (PPC & PSC cement)	0.6 MTPA (PPC & PSC cement)
6.	Power (WHRB)	-	1x30 MW (WHRB based for utilizing waste heat from the proposed 2x500 TPD DRI kilns) 1x12 MW (WHRB based for utilizing waste heat from the existing 4x100 TPD DRI kiln) 1x3 MW (WHRB based for utilizing waste heat from the expansion of 1x100 TPD preheater technology)	1x30 MW (WHRB based for utilizing waste heat from the proposed 2x500 TPD DRI kilns) 1x12 MW (WHRB based for utilizing waste heat from the existing 4x100 TPD DRI kiln) 1x3 MW (WHRB based for utilizing waste heat from the expansion of 1x100 TPD with preheater technology)
7.	Power (AFBC)	-	1 X 15 MW (AFBC based for utilizing dolochar from the existing 4x100 TPD as well as proposed 1 X 100 TPD with preheater technology and 2 X 500 TPD DRI kilns)	1 X 15 MW (AFBC based for utilizing dolochar from the existing 4x100 TPD as well as proposed 1 X 100 TPD with preheater technology and 2 X 500 TPD DRI kilns)
8.	Sponge iron	0.12MTPA (4 x 100 TPD DRI Kilns)	0.33MTPA (1 X100 TPD, with preheater technology) 2 x 500 TPD DRI Kilns	0.45 MTPA (5 X100 TPD, (1 kiln with preheater technology), 2 x 500 TPD DRI Kilns
9.	Pellet	-	1.2 MTPA	1.2 MTPA
10.	Hot Metal (Submerged arc furnace)	-	40 MVA 2 No. x 10 MVA, 1 No. X 20 MVA	40 MVA 2 No. x 10 MVA, 1 No.X 20 MVA

Sr. No.	Name of the Facility	As per existing ECs	Proposed Expansion – Configuration	Total Capacity (Existing +Proposed Expansion) for TOR
11.	Hot Metal (through Induction furnaces with LRF)	-	3 x 40 T IF with 1 X 50 T LRF (5,25,000 TPA liquid steel)	3 x 40 T IF with 1 X 50 T LRF (5,25,000 TPA liquid steel)
12.	Oxygen Plant	-	500 m ³ /hr	500 m ³ /hr



Action plan as per MoEF&CC O.M. dated 30/09/2020

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Tentative Budget (Rs. in lakhs)			
			1st Year	2nd Year	3rd Year	Total
1	Health Related	Reopening the Medical Centre for the Public in consultation with Govt.	45	35	35	115
		Organizing Medical camps for general public	20	20	20	60
		Provision of medical facilities such as ambulance	20	15	15	50
2	Education Related	Ensuring proper Sanitation Facilities at School by building Toilet units for students	15	15	15	45
		Providing basic amenities like Furniture, Boards, water coolers etc.	10	10	10	30
3	Environment Related	Installation of Solar Street Lights for better illumination in the villages	15	15	15	45
		Air Pollution Control Measures to avoid the dust outside the premises	150	100	100	350
		Provision of agriculture aids to the farmers in the form of cattle feeds, seeds, manure	15	15	15	45
4	Water related	Repairing and Renovation of existing water harvesting structures/ ponds/naadis etc. in the nearby villages	30	15	15	60
		Control of Ash outside the premises by Disposal in own cement plant	20	15	15	50
		Developing/repairing of water infrastructures in the villages	20	20	20	60
5	Infrastructure Related	Repair and maintenance of village road in vicinity of the Plant	30	20	20	70
		Provision of drinking water through tankers as per the need	20	20	20	60
6	Livelihood Related	Employment to locals –preference to local for employment as per the skills availability	180	140	140	460
		Community Level Sports Promotion Events	20	15	15	50
		Total	610	470	470	1550

Budget for EMP

SL.NO	ENVIRONMENT /SOCIAL CONTROL MEASURE	COST OF EMP	
		PROPOSED	
		CAPITAL	RECURRING (PER ANNUM)
1	Air Pollution Control like ESP/bag filter, Chimney, dust Handling system	35.0	3.5
2	Water Pollution Control like settling tank, ETP, STP water conservation like rainwater harvesting, solid waste etc.	10.0	1.0
3	Environment monitoring and management like online monitoring system etc.	5.0	1.0
4	Greenbelt development	1.0	0.50
5	Others*	25.0	
	Total	76.0	6.0