



File No: IA-J-11011/1267/2007-IA-II (I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 16/07/2026



To,

M/s. SCANIA STEELS & POWERS LIMITED
22 km Stone, Gharghoda Road, Punjipatra, Raigarh-496011, Chhattisgarh, RAIGARH,
CHHATTISGARH, , 496011
E-mail: rkl_ssil@rediffmail.com

Subject: **Proposed expansion of existing Steel Plant by installation of 2.67 MTPA Iron ore beneficiation plant, 2 X 0.8 MTPA Iron ore pelletization plant, 2.3 MTPA Coal Washery, 2,97,000 TPA Sponge Iron Plant, 3 X 20 Induction Furnaces (with CCM 6/11), 1,80,000 TPA TMT Rolling Mill, 1,30,000 Strip Mill (1,00,000 TPA ERW Pipe & 30,000 TPA Galvanising Unit) along with 33 MW (23 MW WHRB + 10 MW AFBC) Captive Power Plant by M/s. Scania Steels and Powers Ltd., located at Village: Punjipatra, Tehsil: Tamnar, District: Raigarh, Chhattisgarh- Consideration of EC - Reg.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/CG/IND1/564668/2026 dated 20/01/2026 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.	EC26A1005CG5749221N
(ii) File No.	IA-J-11011/1267/2007-IA-II (I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous), 2(a) Coal washeries, 1(d) Thermal Power Plants, 2(b) Mineral beneficiation
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Expansion of the existing integrated steel plant
(viii) Name of Company/Organization	SCANIA STEELS & POWERS LIMITED
(ix) Location of Project (District, State)	RAIGARH, CHHATTISGARH
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per	No

3. The proposed project activity is listed at S. No. 3(a) Metallurgical industries (ferrous and non-ferrous), 2(b) Mineral Beneficiation, 2(a) Coal Washeries 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 21st EAC Meeting held during 05th – 06th February, 2026, 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 21st EAC Meeting held during 05th – 06th February, 2026, inter-alia, deliberated the following:

1. The instant proposal is for expansion of existing Steel Plant by installation of 2.67 MTPA Iron ore beneficiation plant, 2 X 0.8 MTPA Iron ore pelletization plant, 2.3 MTPA Coal Washery, 2,97,000 TPA Sponge Iron Plant, 3 X 20 Induction Furnaces (with CCM 6/11), 1,80,000 TPA TMT Rolling Mill, 1,30,000 Strip Mill (1,00,000 TPA ERW Pipe & 30,000 TPA Galvanising Unit) along with 33 MW (23 MW WHRB + 10 MW AFBC) Captive Power Plant.

2. Chronology of the project:

- The project was initially accorded Consent to Establish vide Ref. No. 4772/TS/CECB/2003 dated 27.12.2003 for Sponge Iron Plant (2X100 TPD) – 66,000 TPD. M/s Scania Steels and Powers Ltd. (formerly Sidhi Vinayak Sponge Iron Pvt. Ltd.) established 2×100 TPD DRI kilns (66,000 TPA sponge iron) at Punjipatra, District Raigarh, Chhattisgarh, and was thereafter granted Environmental Clearance (EC) on 5th November, 2008 for expansion including (Sponge Iron Plant: 200 TPD; Steel Melting Shop: 135000 TPA; Ferro Alloy: 7500 TPA; WHRB 8 MW; AFBC 17 MW), with exemption from public hearing under Clause 7(ii) of the EIA Notification, 2006. The project was accorded Consent to Establish vide Ref. No. 1312/TS/CECB/2009 dated 01.06.2009 and Ref. No. 1316/TS/CECB/2009 dated 01.06.2009 from Chhattisgarh Environment Conservation Board (CECB). Subsequently, amendments to the EC were issued in 3rd July 2009 (change in induction furnace configuration) and 1st June 2011 (permission for interim disposal of char till availability of coal linkage for AFBC boiler).
- Subsequently, an appeal was filed by M/s Jan Chetana before the National Environment Appellate Authority, and the matter was later adjudicated by the Hon’ble National Green Tribunal, which in February 2012 directed the Ministry to conduct public consultation and revisit the project. Subsequently, M/s Scania Steels and Powers Ltd. approached the Hon’ble Supreme Court, which vide order dated 16th May, 2014, directed completion of the public hearing and consideration of public objections by MoEF&CC. In compliance, a public hearing was conducted on 25th May, 2017, wherein issues relating to pollution, employment, solid waste and fly ash management were raised and addressed. The compliance status of the earlier EC was verified by the Regional Office, Nagpur. At the time of appraisal, the existing 2×100 TPD sponge iron units were operational with valid Consent to Operate, while certain expanded units, though commissioned with requisite Consents to Establish/Operate from the Chhattisgarh Environment Conservation Board, were not operational due to pendency of the matter before the Supreme Court. Other independent units such as a rolling mill and

producer gas plant were operating with statutory approvals. Upon detailed reappraisal by the Expert Appraisal Committee and the Ministry, final Environmental Clearance was granted vide letter dated 7th August, 2018, wherein the scope of the project was rationalised by excluding the Ferro Alloy Plant and the 17 MW AFBC-based Captive Power Plant from the originally approved configuration.

- Consent to Operate for the existing units was accorded by the Chhattisgarh Environment Conservation Board (CECB) vide No. 2265/TS/CECB/2023 dated 07/07/2023 and No. 6679/TS/CECB/2024 dated 24/10/2024. The validity of CTOs is up to 30.06.2026 and 30.09.2026 respectively.

3. 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.

4. 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.

5. 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.

6. 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.

7. The Committee noted that the project is an expansion proposal, and the ToR was granted in 2022. Accordingly, it reviewed the mitigation measures proposed by the PP w.r.t. the proposed site and nearby sensitive receptors, and found the same as adequate. The EAC also reviewed the compliance statement submitted by the project proponent regarding 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.

8. The EAC noted that during the ToR amendment stage, the capacity table reflected the proposed and existing facilities separately, without explicitly providing a separate column for the cumulative capacity (existing + proposed). In this regard, the Member Secretary submitted that after issuance of ToR amendment, the PP had the opportunity to approach the Ministry, and could have sought 'Corrigendum' first, before submitting the instant EC application. The Committee, however, noted that while the mention of cumulative capacity would have definitely provided clarity in understanding the proposed configuration, the details mentioned in the ToR amendment are factually correct, and only a 'cumulative capacity' column is missed, which has now been clarified by the PP. The Committee also noted that the cumulative capacities have been consistently reflected in the Draft EIA Report, during Public Hearing and the Final EIA/ EMP, and the State Pollution Control Board has also considered the cumulative capacities. In view of the above, the EAC asked the PP to submit a updated table, strictly as per the ToR amendment, and observed that the omission of cumulative capacities column was inadvertent as per the submissions of PP, and did not result in any factual change in the overall configuration and capacities the proposal. Hence, proposal can be appraised.

9.The project comprises an existing plant area of 23.47 ha (58 acres) and an additional 13.76 ha (34 acres) required for the proposed expansion, aggregating to a total land area of 37.23 ha (92 acres). The entire land parcel has been fully acquired by the company and converted for industrial use.

10. Punjipathra - 0.2 Km in South direction, Samurama - 0.8 Kms in North direction, Tumidih - 1.3 Kms in West direction exists 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 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.

11.The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.

12.There are water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

13. The total water requirement for the project is 3,709 m³/day, comprising 494 m³/day for existing operations and 3,215 m³/day for the proposed expansion. After recycling, 930 m³/day of water will be recovered, resulting in a net fresh water requirement of 2,779 m³/day. The required raw water will be sourced from groundwater through borewells. The EAC opined that the PP shall secure the required approval from the appropriate authority.

14.The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and noted that PM_{2.5} and PM₁₀ are reported high. The EAC opined that a project specific AAQ plan shall be prepared and implemented.

15. It is reported that pursuant to the direction issued by the Divisional Forest Officer (DFO), Raigarh, vide letter dated 23.06.2021, the PP deposited Rs. 12.00 lakhs towards implementation of the Wildlife Conservation Plan for the area. Accordingly, a Demand Draft dated 23.09.2021, in favour of DFO, Raigarh, was submitted. The confirmation letter from the DFO along with a copy of the Demand Draft has been duly furnished. The EAC opined that the recommendations of the approved plan shall be strictly implemented in consultation with the State Forest Department.

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

17.The EAC opined that PP shall implement skill development programs 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.

18. M/s Scania Steels and Powers Ltd. has earmarked 12.29 hectares (31.88 acres), accounting for 33% of the total plant area, for green belt development within the project site. Out of the existing plant area of 23.47 hectares (58 acres), 7.85 hectares (19.4 acres)—i.e., more than 33% of the existing project area—is already developed as green belt with 19,625 trees planted at a density of 2,500 trees per hectare. An additional 4.44 hectares (10.97 acres) has been proposed for green belt development, where 11,100 trees will be planted. Accordingly, a total of 12.29 hectares (existing 7.85 ha + proposed 4.44 ha) within the plant premises will be under green belt cover, comprising approximately 30,725 trees in total. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be developed and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.

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

20. The Committee deliberated upon the certified compliance report of IRO, MoEF&CC and along with the ATR submitted by the project proponent and review report of IRO. The Committee noted that while most of the non-compliances flagged by the IRO were found to be complied with after corrective actions, certain issues—namely disclosure of existing Kiln-1 and Kiln-2 at the appraisal stage, utilization of CER funds, connectivity of Continuous Effluent Monitoring System, and submission of GHG emission inventory—were referred by the IRO to be examined by IA-CMD / EAC. The Committee carefully examined the detailed clarifications, undertakings, and supporting documents submitted by the Project Proponent in response to these observations, including commitments for completion of pending actions within specified timelines. The Committee note that the RO MoEFCC has referred the examination of certain conditions at appraisal stage to MoEFCC. Accordingly, the S.No. 1, 2, 5 and 8 of the table mentioned at Para 21.2.19 were examined in detail. After due deliberation, the EAC found the explanations of the PP satisfactory, duly taking into account the commitments made w.r.t. installation of ETP during implementation of the instant proposal, and agreeing to PP's submission that the DRI plant operations did not require ETP. Further, The EAC also noted that PP has prepared GHG emissions inventory w.r.t. instant proposal, and presented the same during appraisal. Accordingly, the Committee opined that since IA-CMD has already seized the matter for compliance related issues, an Action Closure may be submitted.

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

22. 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.

23. 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.

24. 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 21st EAC Meeting held during 05th – 06th February, 2026, 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) hereby decided to grant **Environment Clearance for instant proposal of M/s Scania Steels and Powers Ltd.** 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.

(Dr. Sonu Singh)

Scientist 'E'/Additional Director

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Copy to: -

1.The Secretary, Govt.of Chhattisgarh, Department of Housing and Environment & Chairman, Chhattisgarh Environment Conservation Board, Room No- 0S/23, Mahanadi Bhavan, Nava Raipur Atal Nagar, Dist-Raipur, Chhattisgarh.

2.The Principal Chief Conservation of Forest (Wildlife & Biodiversity Conservation) cum Chief Wildlife Warden, Forest & Climate Change Department, Government of Chhattisgarh, Aranya Bhawan, North Block, Sector-19, Nava Raipur Atal Nagar, Chhattisgarh.

3.The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Sub Office – Raipur, Ground Floor, Aranya Bhawan, North Block, Sector- 19, Naya Raipur, Atal Nagar, Chhattisgarh – 492002. E-mail: iro.raipur-mefcc@gov.in

4.The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.

5. The Chairman, Chhattisgarh Environment Conservation Board, North Block Sector-19, Atal Nagar Dist-Raipur, Chhattisgarh-492001.

6.The Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg,

New Delhi-110001.

7.The District Collector, Collectorate, Rajgarh District, Chhattisgarh.

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.

Copy To

N/A

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	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.
1.3	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.
1.4	Punjipathra - 0.2 Km in South direction, Samurama - 0.8 Kms in North direction, Tumidih - 1.3 Kms in West direction exists 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.
1.5	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
1.6	There are water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.7	The total water requirement for the project is 3,709 m ³ /day, comprising 494 m ³ /day for existing operations and 3,215 m ³ /day for the proposed expansion. After recycling, 930 m ³ /day of water will

S. No	EC Conditions
	be recovered, resulting in a net fresh water requirement of 2,779 m ³ /day. The required raw water will be sourced from groundwater through borewells. PP shall secure the required approval from the appropriate authority.
1.8	Project specific AAQ plan shall be prepared and implemented to minimise PM2.5 and PM10.
1.9	Green Belt shall be developed and maintained in the project area in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop and maintain the greenbelt within a period of 1 year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.10	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area 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 shall be strictly implemented, which is amounting to approx. Rs. 1.08 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
1.12	PP shall implement the skill development programs, 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.
1.13	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1.14	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.
1.15	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
1.16	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from

S. No	EC Conditions
	industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1.17	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.

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.

S. No	EC Conditions
2.4	Sampling facility at process stacks 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	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), 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.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.16	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.
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.

S. No	EC Conditions
2.18	Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
2.19	The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
2.20	The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.
2.21	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.
2.22	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.
2.23	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.
2.24	Low NO _x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	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.
3.2	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.
3.3	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.
3.4	Water meters shall be provided at the inlet to all unit processes in the plants.
3.5	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.

S. No	EC Conditions
3.6	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.
3.7	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.
3.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

4. Water Quality Monitoring And Preservation In Case Of Rolling Mills

S. No	EC Conditions
4.1	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
4.2	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
4.3	Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
4.4	The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run off from reject dumping sites.
4.5	An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
4.6	Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
4.7	Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
4.8	No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m ³ /tonne of raw coal.
4.9	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored

S. No	EC Conditions
	once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
4.10	The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government
4.11	Air Cooled condensers shall be used in the captive power plant.
4.12	Tailing management plan shall be implemented as included in EIA report.
4.13	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

S. No	EC Conditions
	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.

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 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

S. No	EC Conditions
	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.
10.4	Rejects from coal washery shall only be used either in the captive power plant (or) in the Thermal Power Plants meeting emission standards.

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.

S. No	EC Conditions
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

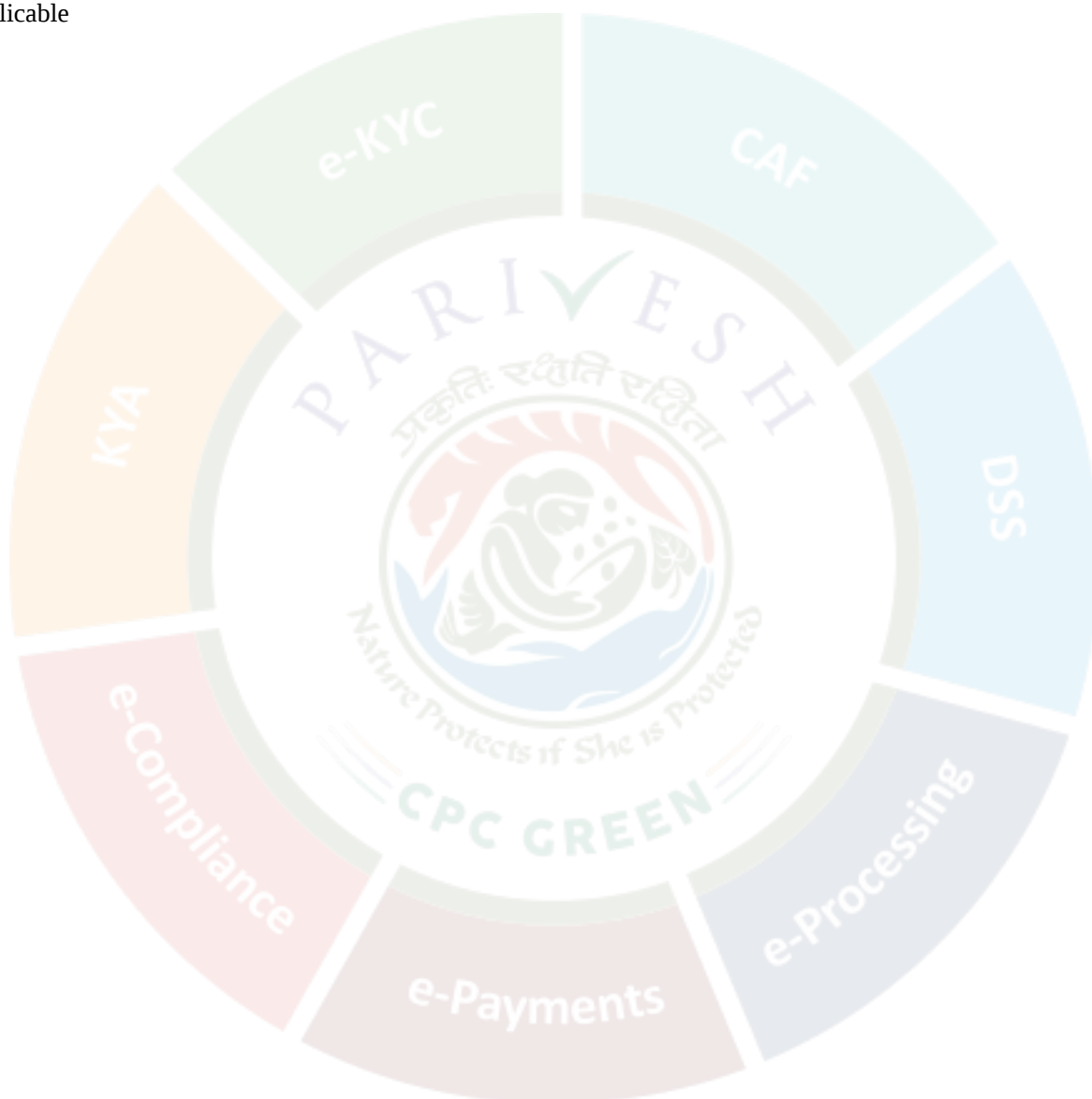
S. No	EC Conditions
14.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language 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

S. No	EC Conditions
	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 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.

S. No	EC 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



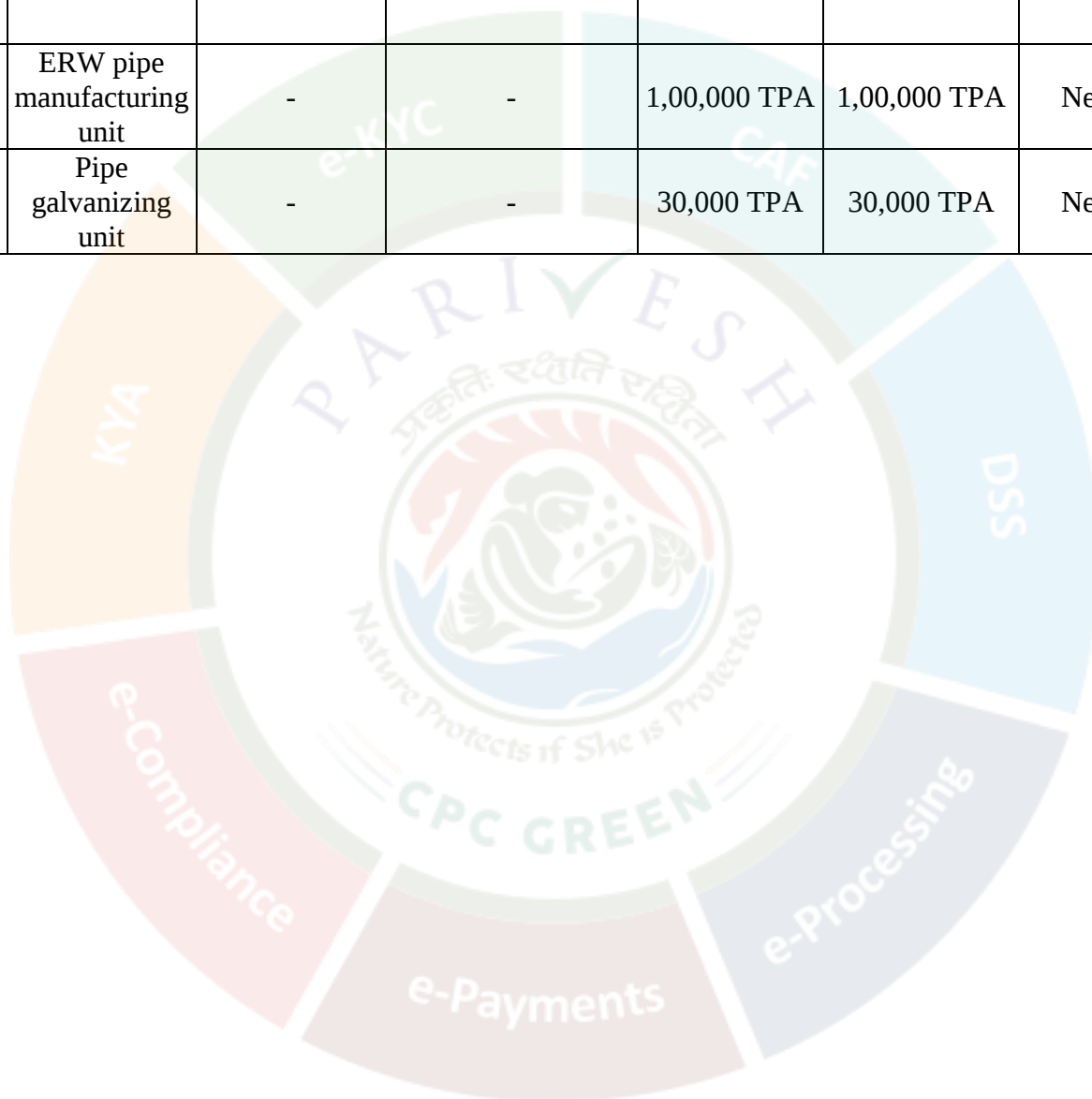
Details of the proposal are as per the EIA/EMP report

Sl. No.	Particulars	Details	Remarks
i.	Total land	Existing Plant area - 23.4718 ha (58 acre) Additional land requirement for proposed expansion - 13.76 ha (34 acre) Total - 37.23 hectare (92 acres)	Land use: Industrial Land
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Fully acquired	Entire 37.23 hectare (92 acres) has been acquired by the company and converted for industrial use.
iii.	Existence of habitation & involvement of R&R, if any	Project Site: There is no habitation and no involvement of R&R. Study Area: Punjipathra - 0.2 Km in South direction Samurama - 0.8 Kms in North direction Tumidih - 1.3 Kms in West direction Traimal - 3.0 Kms in South direction	-
iv.	Latitude and Longitude of the project site.	Latitude - 22°04'08.02"N to 22°04'29.69"N Longitude - 83°20'04.82"E to 83°20'52.43"E	
v.	Elevation of the project site	334 m (1095.80 ft) above mean sea level.	
vi.	Involvement of Forest land if any.	No forest land within the project site.	
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area.	Project Site: No water body in the project site. Study area: Kelo River - 6.3 km in ESE direction from the project site. Kurket River - 7.6 km in WNW direction from the project site.	
viii.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Urdhana RF, Taraimal RF, Kharidungari RF, Maghat RF, Pajhar RF, Rabo RF, Lakha RF, Barakachar RF, Dungapani RF, Punjipatra RF, Suhai RF, and Samaruma RF are existing within 10 km radius study area around the Project site.	

Unit configuration and capacity

Sl. No.	Unit Description	Existing units (As per EC vide Letter No. J-11011/1267/2007-IA II (I) dated 7th August 2018)		Proposed units	Overall Configuration	Remarks
		Project Capacity/Size	Status of Implementation			
1.	Sponge Iron Plant DRI	4X100 TPD (Capacity 1,32,000 TPA)	4X100 TPD (Capacity 1,32,000 TPA) -UNDER OPERATION	2X350 TPD + 2x100 TPD (Capacity 2,97,000 TPA)	6x100 TPD + 2x350 TPD (Capacity 4,29,000 TPA)	Expansion
2.	Induction Furnace With CCM	1X6 T + 1X8 T + 2X15 T (Capacity 1,35,000 TPA)	1X6 T IF - IMPLEMENTED, BUT NOT UNDER OPERATION 1X8 T IF - UNDER OPERATION 2 X15T IF - IMPLEMENTED (AWAITING FOR CTO)	3X20 T with CCM 6/11 1,85,000 TPA	1X6T + 1X8T + 2x15T + 3X20T 3,20,000 TPA	Expansion
3.	Captive power plant	8 MW (WHRB based)	8 MW (WHRB based) -UNDER OPERATION	33 MW (23 MW WHRB + 10 MW AFBC)	41 MW (31 MW WHRB + 10 MW AFBC)	Expansion
4.	Coal Washery	-	-	2.3 MTPA (Through put)	2.3 MTPA (Through put)	New
5.	Iron Ore Beneficiation Plant	-	-	1x2.67 MTPA (Capacity 26,70,000 TPA)	1x2.67 MTPA (Capacity 26,70,000 TPA)	New
6.	Pelletization Plant	-	-	2x0.8 MTPA (Total 16,00,000 TPA)	2x0.8 MTPA (Total 16,00,000 TPA)	New
7.	TMT Bar Re-Rolling Mill	-	-	0.18 MTPA (Capacity 1,80,000TPA)	0.18 MTPA (Capacity 1,80,000TPA)	New

Sl. No.	Unit Description	Existing units (As per EC vide Letter No. J-11011/1267/2007-IA II (I) dated 7th August 2018)		Proposed units	Overall Configuration	Remarks
		Project Capacity/Size	Status of Implementation			
8.	Strip Rolling Mill (SRM)	-	-	1,30,000 TPA	1,30,000 TPA	New
9.	ERW pipe manufacturing unit	-	-	1,00,000 TPA	1,00,000 TPA	New
10	Pipe galvanizing unit	-	-	30,000 TPA	30,000 TPA	New



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

Concerns raised during Public Hearing	Physical Activity and Action Plan	Particulars	YEAR OF IMPLEMENTATION			Total Expenditure (Rs. in Lakhs)
			1 st Year	2 nd Year	3 rd Year	
Employment / Training for local youth Raised by : Prakash Tripathi	Skill development programme and vocational training for the local youth through local NGOs (e.g. Purusottam Seva Samiti, Samarpan Seva Samiti)	Physical Target (3 years)	Skill development & Vocational training for the local youth			150
		Budget (Rs. Lakh)	50	50	50	
Green Belt Development in the local area Raised by : Jayant Bahidar	Avenue Plantation in local area (on the available spaces), Development of park, Two-tier green belt in nearby schools Green belt in nearby Health Centre / Temple Plantation around the local pond for soil conservation.	Physical Target (3 years)	plantation of 2500 spalings	plantation of 2500 spalings	plantation of 2500 spalings	30
		Budget (Rs. Lakh)	10	10	10	
Occupational Health & Public Health Raised by : Sabita Rath, Prakash Tripathi, Rajesh Tripathi, Jayant Bahidar	24 X 7 Doctor facility in Occupational Health Centre alongwith bed, ambulance. Support to local health centre Free Medical Check up camp, Free medicine supply Providing	Physical Target (3 years)	Health support to local villagers and employees			225
		Budget (Rs. Lakh)	75	75	75	

Concerns raised during Public Hearing	Physical Activity and Action Plan	Particulars	YEAR OF IMPLEMENTATION			Total Expenditure (Rs. in Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Ambulance to local villages					
Local Roads Raised by : Praksh Tripathi	Construction of new roads / maintenance of local roads (in consultation with the local civic authority)	Physical Target (3 years)	Construction / repairing of roads			
		Budget (Rs. Lakh)	50	50	50	150
Underground Water Level Raised by : Jay Kumar, Rajech Tripathi, Jayant Bahidar	De-siltation of local pond, Rainwater harvesting as well as ground water recharging in local schools, anganwaris	Physical Target (3 years)	Ground water recharging			
		Budget (Rs. Lakh)	75	75	75	225
Drinking Water Raised by : Suruchi & Sabita Rath	Drinking water supply to villages, schools, health centres	Physical Target (3 years)	Drinking water supply			
		Budget (Rs. Lakh)	10	10	10	30
Education Raised by : Prakash Tripathi	➤ Renovation of class room ➤ Filterd water supply ➤ Providing computer ➤ Support to students ➤ Providing books to library ➤ Support to school sports	Physical Target (3 years)	Support to education			
		Budget (Rs. Lakh)	30	30	30	90
Women Empowerment Raised by : Sabita Rath	Involvement of local NGOs for arrangement of training to local women on tailoring Embroidery designs, Home Foods / Fast	Physical Target (3 years)	Support to education			
		Budget (Rs. Lakh)	25	25	25	75

Concerns raised during Public Hearing	Physical Activity and Action Plan	Particulars	YEAR OF IMPLEMENTATION			Total Expenditure (Rs. in Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Foods, Pickles, Painting, Interior Decoration and other Vocational Courses Providing support to local women operated SHGs					
Maintaining the environmental norms Raised by : Monoj Orai, Binoy Maji, Sreeram Bhandari	Adequate control measures shall be taken by deploying ESPs, Bag Filters, Fume Extraction System and Tall Stacks, regular water spray on roads Internal roads shall be concreted. Zero Liquid Discharge concept shall be adopted. Noise reduction system shall be provided.	Physical Target (3 years)	The physical Target for the entire activities shall be achieved in 3 years.			
		Budget (Rs. Lakh)	Included in the EMP Cost.			0
TOTAL						975

NEED BASED ACTIVITIES

Need based issue identified	Physical Activity and Action Plan	Particulars	YEAR OF IMPLEMENTATION			Total Expenditure (Rs. in Lakhs)
			1st Year	2nd Year	3rd Year	
Street Light Arrangement	Arrangement of solar lights beside village roads	Physical Target (3 years)	Arrangement of solar lights beside village roads			30
		Budget (Rs. Lakh)	10	10	10	
Support to local sports	Development of local playground Arrangement of sports Support to football academy	Physical Target (3 years)	Support to sports & culture			30
		Budget (Rs. Lakh)	10	10	10	
Renovation of local village temples	Renovation of local village temples	Physical Target (3 years)	Renovation of local village temples			30
		Budget (Rs. Lakh)	10	10	10	
Awareness programmes on girl education and Counselling of parents	Awareness programmes on girl education and Counselling of parents providing time to time financial aid	Physical Target (2 years)				15
		Budget (Rs. Lakh)	5	5	5	
			TOTAL			105

Budget for EMP

SL. NO.	ENVIRONMENT / SOCIAL CONTROL MEASURE	COST OF EMP (IN LAKHS) (PROPOSED)	
		CAPITAL	RECURRING (PER ANNUM)
1	Cost of Air Pollution Control Systems	36.0	3.6
2	Cost of Water conservation & Pollution Control	6.5	0.65
3	Cost of Solid /Hazardous Waste Management System	5.3	0.53
4	Green belt development	0.13*	-
5	Noise Reduction Systems	4.3	0.43
6	Occupational Health Management	3.6	0.36
7	Risk Mitigation & Safety Plan	5.7	0.57
8	Environmental Management Department	3.6	0.36
	SUB-TOTAL	65.13	6.5
9	Total Budget - Public Hearing related	10.80	-
	GRAND TOTAL	75.93	6.5
*(considering Rs.3 lakhs/hectare with 10 years maintenance cost)			