



File No: IA-J-11011/465/2022-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 16/08/2026



To,

M/S. LLOYDS METALS AND ENERGY LIMITED
At MIDC Konsari, Village: Konsari, Tahsil: Chamorshi,
Dist: GADCHIROLI, MAHARASHTRA, , 442707
Email: lloyds.gadchiroli@gmail.com

Subject: Expansion and Modification of an existing plant facilities (62,700 TPA DRI to 92,400TPA DRI, 4 MW WHRB to 5 MW WHRB), 2X4.5 MTPA Iron Ore Grinding Unit, 10.0 MTPA Thickening & Filtration Unit and 2X4.0 MTPA Iron Ore Pellet Plant by setting an additional Integrated Steel Plant (ISP) of 4.5 MTPA Capacity with 483 MW (488MW Total) Captive Power Plant and 5.0 MTPA Filtration Unit (Brownfield Project) by M/s. Lloyds Metals and Energy Limited, located at Village Konsari; Tahsil- Chamorshi, District Gadchiroli, Maharashtra- Grant of EC-Reg

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND1/537240/2025 dated 13/06/2025 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.	EC25A1005MH5581216N
(ii) File No.	IA-J-11011/465/2022-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),4(b) Coke oven plants,2(c) Pellet Plant,1(d) Thermal Power Plants,1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Expansion and Modification of an existing plant facilities (62,700 TPA DRI to 92,400 TPA DRI, 4MW WHRB to 5 MW WHRB), 2X4.5 MTPA Iron Ore Grinding Unit, 10.0 MTPA Thickening &

(viii) Name of Company/Organization

(ix) Location of Project (District, State)

(x) Issuing Authority

(xi) Applicability of General Conditions as per EIA Notification, 2006

Filtration Unit and 2X4.0 MTPA Iron Ore Pellet Plant by setting an additional Integrated Steel Plant (ISP) of 4.5 MTPA Capacity with 483 MW (488MW total) Captive Power Plant and 5.0 MTPA Filtration Unit at Plot No. A-1, MIDC Konsari, Survey No. 174, 198 and Others by Lloyds Metals & Energy Limited

M/S. LLOYDS METALS AND ENERGY LIMITED

GADCHIROLI, MAHARASHTRA

No

3. . The proposed project activity is listed at schedule no. 3(a) "Metallurgical industries (ferrous & non-ferrous)", 4(b) Coke Oven Plants and 1(d) Thermal Power Plants, under Category "A" of the schedule of the EIA Notification, 2006.

4. The instant proposal is considered in 6th EAC held during 26th June, 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. Further considered in the 7th EAC (Industry-1) Meeting – 9th July, 2025w. r.t correction of MoM. 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 6th EAC held during 26th June, 2025, inter-alia, deliberated the following:

i. The instant proposal is for Expansion and Modification of an existing plant facilities (62,700 TPA DRI to 92,400 TPA DRI, 4MW WHRB to 5 MW WHRB), 2x4.5 MTPA Iron Ore Grinding Unit, 10.0 MTPA Thickening & Filtration Unit and 2x4.0 MTPA Iron Ore Pellet Plant by setting an additional Integrated Steel Plant (ISP) of 4.5 MTPA Capacity with 483 MW (488 MW total) Captive Power Plant and 5.0 MTPA Filtration Unit.

ii. The existing project was initially accorded Environmental Clearance from SEIAA, Maharashtra vide letter no. SIA/MH/IND/70624/2018 dated 29.08.2022. Thereafter, the project was accorded environmental clearance from MoEF&CC vide EC. no. EC23A1006MH5717615N dated 03/11/2023 for expansion of Project by installation of [2 x 4.5 MTPA] Iron Ore Grinding Unit; [10.0 MTPA] Thickening & Filtration Unit and [2 X 4 MTPA] Iron Ore Pellet Plant. PP has reported that CTE was obtained from MPCB vide letter dated 18.09.2023 for the earlier project and project is under construction/development.

iii. 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.

iv. 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.

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 hazardous/ explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

vi. 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.

vii. The EAC reviewed the compliance statement submitted by the project proponent regarding the applicability of criteria specified under 'Clause -9, Chapter 3 – Criteria For Establishment Of Industrial Plant' of the G.S.R 85(E) dated 30th January, 2025, 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.

viii. A total of 477.6622 hectares of non-forest land in Konsari village has been identified for the proposed project. This land has been notified as an industrial area by the Industries, Energy, Labour & Mining Department, Government of Maharashtra, vide Notification No. IDC 2023/(C.R.931)/Ind-14 dated 23rd November 2023, and subsequent Notice dated 11th October 2024. Of this, 441.7822 hectares is private land and 35.88 hectares is government land. The land is under acquisition by MIDC through the "Pass Through" method and will be handed over to Lloyds Metals and Energy Limited (LMEL). MIDC and LMEL signed an MoU on 6th June 2025 for acquisition of the private land, and an amount of Rs. 140 crores has been deposited towards land acquisition costs. The process is currently underway at the office of the Land Acquisition Officer, Chamorshi, Gadchiroli. Earlier, 50.29 hectares had already been allotted to LMEL by MIDC for industrial use. The notification dated 23rd November 2023 also covers a total area of 963.0522 hectares, of which Konsari village accounts for the 441.7822 hectares being acquired under Section 32(1) of the MID Act, 1961. The Committee noted that the land identified for the project is non-forest, notified for industrial use, and under acquisition through a government-facilitated process and complies with OM dated 07-10-2014, as amended on 20-02-2025.

ix. The nearest habitation to plant is Konsari village, which is adjacent to the plant. Markhanda RF is along the project site. Also there are schools and health centre/hospital nearby along with other sensitive areas within the study area of the project site. The PP proposed strict mitigation measures as a safeguard for environmentally sensitive receptors. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. Further, 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.

x. PP reported that there is no Rehabilitation and Resettlement (R&R) involved in the proposed project, as the identified land is free from any habitation or displacement. However, a detailed Socio-Economic Study has been conducted as a part of the land acquisition process in association with MIDC and has been incorporated with the EIA-EMP report. Once land come into possession the provisions under SIA Study report will be implemented. The EAC opined that the project proponent shall ensure timely implementation of the provisions outlined in the SIA Study report upon land possession, in line with the findings of the socio-economic assessment.

xi. PP has reported that there are two natural water ponds within the Project boundary. Both these two natural water ponds are the part of notified land and allotted by Industries, Energy, Labour and Mining Department will be soil dumped and closed for plant establishment. The EAC opined that appropriate measures shall be undertaken in consultation with the Water Resource Department, and LMEL shall develop and maintain the equivalent pond size within 5 Km of the project site.

xii. Chintakar uppa Vagu Nala (0.1 km, ESE), Varti Vagu Nala (0.35 km, SW), Uska Vagu Nala (0.85 km, S), Deotri N (1.70 km, SSW) along with other water bodies within the study area of the project site. The EAC opined that 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.

xiii. The Committee noted that the ESZ of the Chaprala Wildlife Sanctuary is at a distance of 0.94 km from the project site boundary. The Chaprala Wildlife Sanctuary has been notified by MoEF&CC on 27th October, 2020. The Committee recommended that the project proponent obtain necessary clearance from the Standing Committee of the NBWL, if applicable, and ensure strict compliance with the ESZ Notification provisions dated 27th October 2020, while adopting adequate conservation safeguards to avoid any adverse impact on the Chaprala Wildlife Sanctuary.

xiv. It is observed that there are 27 Nos. of schedule I species (8 birds, 7 reptiles and 12 mammals). The DCF observed that the earlier approved Wildlife Conservation Plan of Rs. 438 lakhs for 10 years were confined to areas falling within Chaprala Wildlife Sanctuary and does not cover areas of the adjoining territorial forest division. The DCF suggested modifications to the plan. In response, Lloyds submitted an additional scheme for Wildlife Management to address the adequacy of the existing Site-Specific Wildlife Management Plan. The additional scheme proposes a budgetary provision of Rs. 150 lakhs for 10 years to manage wildlife in the buffer area of the proposed Integrated Steel Plant. The DCF, Allapalli Division, Gadchiroli, has verified the additional scheme and found the scheme adequate for the expansion of the Integrated Steel Plant. The EAC opined that the recommendations of the approved plan shall be strictly implemented in consultation with the State Forest Department.

xv. The Iron ore pellets, the major raw material, are proposed to be supplied from the under-construction 2 x 4 MTPA Iron Ore Pellet Plant at MIDC Konsari to the Integrated Steel Plant at ISP-Jairampur via a dedicated long-range overhead conveyor system. Additionally, iron ore concentrate for the ISP-Jairampur Sinter Plant will be sourced from the proposed 5.0 MTPA Filtration Unit at ISP-Konsari. Coke breeze, another raw material for the pellet plant, will be sourced from both ISP-Konsari and ISP-Jairampur. In case of power shortages at ISP-Konsari, power may be supplied from the proposed ISP-Jairampur power plant. The two projects will be connected by a conveyor and railway corridor, along with the existing PWD road network. The EAC opined that the project proponent shall obtain all requisite statutory clearances and permissions for both the projects, as may be applicable.

xvi. The total water requirement for the proposed 4.5 MTPA ISP at Konsari is estimated at 94,031 KLD (34.32 MCM per annum), which includes 6,857 KLD for the existing project—6,600 KLD for the unit under commissioning and 257 KLD for the unit in operation. Of the total requirement, 11,487 KLD (4.2 MCM per annum) will be met through recovery of excess water from slurry. Consequently, the net freshwater requirement will be 82,544 KLD (30.13 MCM per annum), which will be sourced from the Wainganga River, located 2.80 km from the project site. LMEL also proposes a 5.0 MTPA filtration unit at Konsari to process iron ore slurry for use in the sinter plant. Transporting this slurry will require 3 MCM of water per annum, of which 0.5 MCM per annum will be retained with the final iron ore concentrate, and the remaining 2.5 MCM per annum (7,575 KLD) will be recovered and reused in the ISP after suitable treatment. Additionally, 3,912 KLD (163 m³/hr) will be recovered from the existing 10 MTPA thickening and filtration unit. Thus, the total water recovery amounts to 11,487 KLD, effectively reducing dependence on fresh water for plant operations. PP also reported that Water Availability Certificate for the said location, from where the project intends to draw water, has already been obtained. At present, inline to availability certificate, water allocation is under active consideration for grant by the competent authority. The EAC reviewed the water requirement details submitted by the project proponent and emphasized that the necessary permissions must be obtained from the Competent Authority.

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

xviii. 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.

xix. The EAC opined that PP shall implement skill development programs (mentioned in Socio-Economic Development 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.

xx. The PP submitted that green belt will be developed over 157.62 hectares of land, and the total green belt area after expansion will be 174.21 hectares, including the existing 16.59 hectares. This will constitute over 33% of the total plant area. A total of 3,94,050 trees will be planted at a density of 2,500 trees per hectare. In the existing project, approximately 49,678 trees have already been planted in and around the site. The selected species for plantation are native, fast-growing, deep-rooted, and tolerant to industrial pollutants. Avenue plantation within the plant premises and green belt development shall be undertaken as part of the project. Additionally, 30,000 saplings (aged 2–3 years) will be planted under the Gadchiroli Green Drive initiative. The EAC deliberated on the greenbelt plan and is of the opinion that greenbelt shall be developed as committed.

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 Committee took note of the certified compliance report and observed that the project proponent has undertaken adequate dust and fire control measures during construction. As the expansion components under the 2023 Environment Clearance are still under implementation, the detailed compliance report will be required post-commissioning. Considering the project's proximity to the Eco-Sensitive Zone (0.94 km) and the Chaprala Wildlife Sanctuary, the Committee recommended that the project proponent implement biodiversity conservation measures including regular biodiversity monitoring, extensive greenbelt development, and stringent pollution control practices to mitigate potential impacts.

xxiii. It was reported that 52 villagers from Konsari filed a petition challenging the land acquisition process and the notification issued by MIDC, citing the requirement of Gram Sabha consent since Konsari is a scheduled village. Of the 52 petitioners, 41 have already provided consent for land acquisition at the office of the Land Acquisition Officer, Chamorshi, covering a major portion of the land. The remaining 11 petitioners, holding 15.9 hectares, are also expected to give consent shortly. The Committee took note of the ongoing legal matter and acknowledged that a significant majority of the petitioners have already consented to the acquisition. The EAC recommended that the project proponent continue to engage with the remaining stakeholders and ensure that the acquisition process complies with applicable legal and procedural requirements, particularly those concerning scheduled villages and Gram Sabha provisions.

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

xxv. The project proponent presented various activities undertaken for the socio-economic development of the region, including skill development programs, health camps, educational support, infrastructure improvement, and livelihood enhancement initiatives for local communities. The Committee appreciated the efforts made by the proponent.

xxvi. 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.

xxvii. 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.

xxviii. 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 6th EAC held during 26th June, 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 further EAC in 7th (Industry-1) Meeting – 9th July, 2025, recommended the proposed correction in the Minutes of Meeting.

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 Environment Clearance for instant proposal of **M/s. Lloyds Metals and Energy 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.

(Sonu Singh)
Scientist 'E'/Additional Director
Tel: 011-20819346
Email-sonu.singh@gov.in

Copy To

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	Project proponent shall ensure timely completion of the acquisition process and conversion for industrial purpose prior to commencement of expansion project. The project proponent shall also ensure that the land acquisition process fully complies with all applicable legal provisions, including those related to scheduled villages and Gram Sabha consent. Ongoing engagement with remaining stakeholders shall be maintained, and final acquisition shall be completed only after resolving all related legal and procedural requirements to the satisfaction of the Competent Authority.
1.5	The nearest habitation to plant is Konsari village at distance of 0.5 Km in SSW Direction. Markhanda RF is along the project site. Also there are schools and health centre/hospital nearby 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, especially around the schools falling within 1km (in consultation with school authorities). The PP shall also include some of these locations in its environmental monitoring programme.
1.6	Project proponent shall ensure timely implementation of the provisions outlined in the SIA Study report upon land possession, in line with the findings of the socio-economic assessment.
1.7	There are two natural water ponds within the Project boundary. Appropriate measures shall be undertaken in consultation with the Water Resource Department with a view to develop and maintain an equivalent pond size within 5 Km of the project site.
1.8	Chintakar uppa Vagu Nala (0.1 km, ESE), Varti Vagu Nala (0.35 km, SW), Uska Vagu Nala (0.85 km, S), Deotri N (1.70 km, SSW) along with other water bodies 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.

S. No	EC Conditions
1.9	The project proponent shall ensure strict compliance with the provisions of the Eco-Sensitive Zone (ESZ) Notification dated 27th October 2020 for Chaprala Wildlife Sanctuary, located at a distance of 0.94 km from the project boundary. <u>If applicable, prior clearance from the Standing Committee of the National Board for Wildlife (NBWL) shall be obtained.</u> The proponent shall also implement adequate conservation safeguards to prevent any adverse impact on the sanctuary and its surrounding ecology.
1.10	Project proponent shall obtain all requisite statutory clearances/ permissions and develop associated infrastructure between ISP-Konsari and ISP-Jairampur, as submitted before EAC and as applicable.
1.11	The project proponent shall ensure that the total freshwater requirement does not exceed 82,544 KLD (30.13 MCM per annum) and shall obtain all necessary permissions and water allocation approvals from the Competent Authority prior to withdrawal of water from the Wainganga River. Recovered water from slurry processing shall be optimally reused to minimize freshwater dependency.
1.12	Three tier Green Belt shall be developed and maintained 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.
1.13	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)
1.14	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. 227.166 Crores [Existing-Rs.89.052Crores and Proposed-Rs.138.114Crores] shall be strictly implemented. The action plan shall also cover activities related to (i) promotion of environmental education and awareness, 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.
1.15	The project proponent shall undertake village adoption programme, as committed, and prepare and implement the action plan to develop them into a model village, in consultation with the State Administration.
1.16	PP shall implement the skill development programs, proposed under Socio economic development 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

S. No	EC Conditions
	expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1.17	PP shall Install CO sensors with alarms at strategic locations in the Plant.
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, plastics, 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	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 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.
1.20	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.
1.21	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.
1.22	<i>As committed, PP shall transport limestone (SMS grade), which is used a raw material, by Rail only, with a view to ensure that the overall raw material transport w.r.t. the project through road shall not exceed 20%.</i>

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 06 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.
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

S. No	EC Conditions
	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.
2.19	Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke
2.20	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility). Land-based APC system shall be installed to control coke pushing emissions.
2.21	Monitor CO, HC and O ₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
2.22	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.
2.23	The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
2.24	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.
2.25	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.
2.26	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.
2.27	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be

S. No	EC Conditions
	submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
2.28	Low NOx 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 steel plants.
3.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
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.

S. No	EC Conditions
4.2	Cold Rolling Mill (CRM), color coating and galvanizing plants shall have CETP to treat and recycle the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF.
4.3	The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
4.4	Treated water from ETP of COBP shall not be used for coke quenching.
4.5	Water Cooled condensers shall be used in the captive power plant.

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.

S. No	EC Conditions
7.3	Ensure installation of regenerative type burners on all reheating furnaces

8. Energy Conservation Measures In Case Of Blast Furnace

S. No	EC Conditions
8.1	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
8.2	Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.

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

S. No	EC Conditions
9.1	The project proponent shall provide waste heat recovery system on the DRI Kilns.
9.2	The dolochar generated shall be used for power generation.
9.3	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.
9.4	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

10. Waste Management

S. No	EC Conditions
10.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.
10.2	Kitchen waste shall be composted or converted to biogas for further use.
10.3	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.
10.4	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

S. No	EC Conditions
	being submitted by the project proponents.
10.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
10.6	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.

11. Waste Management In Case Of Sinter Plant

S. No	EC Conditions
11.1	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.
11.2	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
11.3	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
11.4	In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.
11.5	Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).

12. Green Belt

S. No	EC Conditions
12.1	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.
12.2	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.
12.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

13. Public Hearing And Human Health Issues

S. No	EC Conditions
13.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
13.2	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.
13.3	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.
13.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

14. Environment Management

S. No	EC Conditions
14.1	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.
14.2	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.
14.3	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.
14.4	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.

15. Miscellaneous

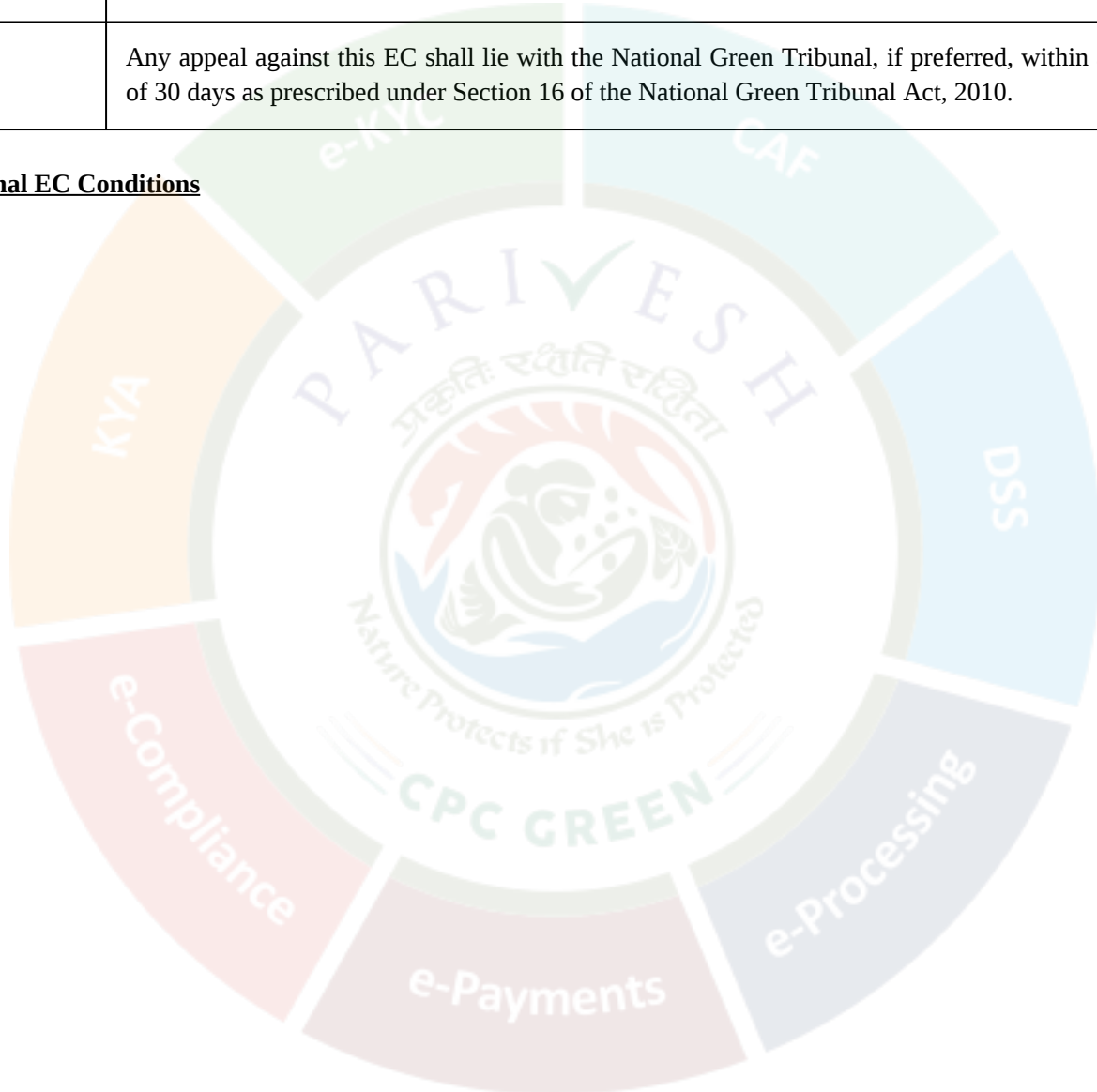
S. No	EC Conditions
15.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

S. No	EC Conditions
15.2	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.
15.3	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.
15.4	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.
15.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
15.6	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.
15.7	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.
15.8	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.
15.9	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.
15.10	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.
15.11	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.
15.12	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).
15.13	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.

S. No	EC Conditions
15.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
15.16	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.
15.17	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

NA



S.No	Particulars	Details						
a.	Terms of Reference for undertaking EIA study	5.10.2024						
b.	Period of baseline data collection	15th March 2024 to 15th June 2024						
c.	Date of Public Consultation	23.01.2025						
d.	Action plan to address the PH issues	Public Hearing and need based activities detail proposed are attached as Annexure IV .						
e.	Location of the project	Village Konsari; Tahsil- Chamorshi, District Gadchiroli, Maharashtra-						
f.	Total land	Existing: 50.29 ha: Proposed: 477.6622 ha: Total 527.9522						
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Industries, Energy, Labour & Mining Department, Govt. of Maharashtra has notified 477.6622 ha Non-Forest Land in Konsari for LMEL for industrial use vide Notification dated 23.11.2023. The entire land of 477.6622 Ha (notified as industrial area) is under acquisition by MIDC, Government of Maharashtra and it will be handed over to LMEL by "Pass Through" method by the MIDC.						
h.	Existence of habitation & involvement of R&R, if any	Habitation: Study Area: <table border="1"> <thead> <tr> <th>Habitation</th><th>Distance</th><th>Direction</th></tr> </thead> <tbody> <tr> <td>Konsari</td><td>0.5 Km</td><td>SSW</td></tr> </tbody> </table>	Habitation	Distance	Direction	Konsari	0.5 Km	SSW
Habitation	Distance	Direction						
Konsari	0.5 Km	SSW						
i.	Elevation of the project site	190 m above mean sea level						
j.	Involvement of Forest land if any.	No Forest Land is involved in the project site.						
k.	Water body exists within the project site as well as study area	Project site: There are two natural water ponds within the Project boundary. Both these two natural water ponds are the part of notified land and allotted by Industries, Energy, Labour and Mining Department will be soil dumped and closed for plant establishment. As per record and discussion in the village no any activity, drinking are dependent on these water ponds Study area <table border="1"> <thead> <tr> <th>Water Body</th><th>Distance (KM)</th><th>Direction</th></tr> </thead> <tbody> <tr> <td>Chintakar uppa Vagu Nala</td><td>0.10</td><td>ESE</td></tr> </tbody> </table>	Water Body	Distance (KM)	Direction	Chintakar uppa Vagu Nala	0.10	ESE
Water Body	Distance (KM)	Direction						
Chintakar uppa Vagu Nala	0.10	ESE						

S.No	Particulars	Details								
		Varti Vagu Nala	0.35	SW						
		Uska Vagu Nala	0.85	S						
		Deotri N	1.70	SSW						
		Wainganga River	2.80	SSW						
		Andhari River	3.60	WSW						
		Lahn River	7.30	NW						
1.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Study area Name of the ESZ/ESA: Chaparala Wild Life Sanctuary Status of Notification: Notified on 27 th October 2020 Distance of project from ESZ/ESA: ESZ Notified Boundary of Chaparala WLS: 0.94 Km (S) Notified Boundary of Protected Area of Chaparala WLS: 5.17 Km (SSE) Authenticated map of ESZ projecting distance of ESZ from project site: DSS map is attached Status of NBWL approval: Not Applicable. List of Reserved and protected forests: Markhanda R F : Along the Project Site Kharpet R F : 8.0 Km (WSW) Ghot R F : 6.30 Km (NNW)								
m.	Project cost	The proposed Project cost is Rs. 22,420 Cr.								
n.	EMP cost	<table><tr><th>EMP</th><th>Capital (Rs. in Crores)</th><th>Recurring (Rs. in Crores)</th></tr><tr><td></td><td>Rs. 1617.46 crores</td><td>Rs. 161.65 Crores</td></tr></table>	EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)		Rs. 1617.46 crores	Rs. 161.65 Crores		
EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)								
	Rs. 1617.46 crores	Rs. 161.65 Crores								
o.	Employment opportunity	The proposed project will create employment to 5730 people.								
p.	Water and Power requirement	The total water requirement for the proposed 4.5 MTPA ISP project will be 34.32 MCM per annum (94,031 KLD). Out of it 11,487 KLD i.e. 4.2 MCM per annum will be sourced from excess water recovered from slurry. Therefore, balance 82,544 KLD i.e. 30.13 MCM per annum will be sourced from the Wainganga River. Water Availability Certificate for the said location, from where the project. Total power required for the proposed 4.5 MTPA ISP project (including existing project) would be 572 MW								
q.	CPA/SPA	The plant site is not located in CPA/SPA								

The unit configuration and capacity of existing and proposed project is given as below

Sr. No.	Plants /Facilities	Existing	Proposed Modification/ Expansion	Total after Expansion as per Project under consideration	Present Status
1.	Sponge Iron Plant	62,700 TPA	29,700 TPA Change in RM Mix and Fuel quality	92,400 TPA	62,700 TPA in Operation
2.	Captive Power Plant	4MW (WHRB)	1 MW Change in RM Mix and Fuel quality at DRI	5 MW (WHRB)	4 MW in Operation
3.	Iron Ore Grinding Unit	2 x 45,00,000 TPA	-	2 x 45,00,000 TPA	In commissioning stage
4.	Thickening & Filtration Unit	1,00,00,000 TPA	-	1,00,00,000 TPA	
5.	Iron Ore Pellet Plant	2 x 40,00,000 TPA	-	2 x 40,00,000 TPA	
6.	Coke Oven Plant (By Product Recovery Type) with gas Cleaning & CDQ	-	1 x 2.0 MTPA	20,40,165 TPA	TOR received dated 05.10.2024 Public Hearing Conducted on 23.01.2025
7.	Sinter Plant (1 x 624 m ²)	-	51,19,995 TPA	51,19,995 TPA	
8.	Lime and Dolo Plant	-	2 x 500 TPD 1 x 425 TPD	2 x 500 TPD 1 x 425 TPD	
9.	Blast Furnace (1x5600 m ³)	-	4.63 MTPA	4.63 MTPA	

Sr. No.	Plants /Facilities	Existing	Proposed Modification/ Expansion	Total after Expansion as per Project under consideration	Present Status
10.	Oxygen Plant – 2 x 1400 TPD (VPSA and Cryogenic Oxygen Plant)	-	1 x 1400 TPD Cryogenic and 1 x 1400 TPD VPSA Oxygen Plant	1 x 1400 TPD Cryogenic and 1 x 1400 TPD VPSA Oxygen Plant	
11.	Steel Melting Shop (4.5 MTPA)	-	3 x 180T Basic Oxygen Furnace (BOF)	3 x 180T Basic Oxygen Furnace (BOF)	
			3 x 180T Laddle Refining Furnace (LRF)	3 x 180T Laddle Refining Furnace (LRF)	
			2x180 T RH Degasser	2x180 T RH Degasser	
12.	Endless Strip Plant (ESP) [1 x 3.28 MTPA Thin Slab Casting & Rolling Mill]	-	1.273 MTPA HR Sheets	1.273 MTPA HR Sheets	
			0.969 MTPA HR Coils	0.969 MTPA HR Coils	
13	Acid less Pickling (2 x 0.45 MTPA); Cold Rolling Mill (CRM) Complex [1 x 3.0 MTPA]; Continuous Galvanizing Line (1 x 0.45 MTPA); Colour Coating (0.25 MTPA)	-	0.9 MTPA - Galvalume coils, Colour Coated coil, HR Galvalume, Cut to Length Coil, Slitting Line Coil, Pickled & Oiled Skin Pass in Coil, Cold Rolled Closed Annealed and similar processed cold rolled, colour coated, sheets and coils	0.9 MTPA- Galvalume coils, Colour Coated coil, HR Galvalume, Cut to Length Coil, Slitting Line Coil, Pickled & Oiled Skin Pass in Coil, Cold Rolled Closed Annealed and similar processed cold rolled, colour coated, sheets and coils	

Sr. No.	Plants /Facilities	Existing	Proposed Modification/ Expansion	Total after Expansion as per Project under consideration	Present Status
14.	Beam Blank Caster (1.242 MTPA)	-	1.217 MTPA Section Mill	1.217 MTPA Section Mill	
15.	Section Mill [1.217 MTPA]		1.193 MTPA Parallel Flange Beams, Columns, Channels, Angles, Flat BTM rail, other sections	1.193 MTPA Parallel Flange Beams, Columns, Channels, Angles, Flat BTM rail, other sections	
	Scrap & Wastages (Edge trimming) from Cold Rolling Complex		0.026 MTPA	0.026 MTPA	
	Scrap (end cut) from Structural Mill		0.049 MTPA	0.049 MTPA	
16	Gran/Iron Shots		0.392 MTPA (For the period when Hot metal is surplus (hot metal production higher than BOF consumption) Liquid Hot metal will be converted in Granshot and will be sold in the market as Iron product, a replacement of Pig Iron.)	0.392 MTPA (For the period when Hot metal is surplus (hot metal production higher than BOF consumption) Liquid Hot metal will be converted in Granshot and will be sold in the market as Iron product, a replacement of Pig Iron.)	
17	Filtration Unit (Iron Ore slurry)		5.0 MTPA	5.0 MTPA	
18	Captive Power Plant (483 MW)	-	12 MW from SP - WHRB	12 MW	

Sr. No.	Plants /Facilities	Existing	Proposed Modification/ Expansion	Total after Expansion as per Project under consideration	Present Status
			15 MW from CDQ WHRB	15 MW	
			36 MW from mixed gas (Surplus gas)	36 MW	
			20 MW from TRT blast furnace	20 MW	
			2 x200 MW from thermal coal based boilers (FBC)	400 MW	
19	Railway Siding	-	-	-	

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

CER Budget based on Public Hearing Commitments - Village Ramkrishnapur ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.							
Sl. No .	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year	
1	Education	Computer Lab for Z.P. School	5,00,000	3,00,000	1,00,000	1,00,000	
		Arrangement of 10 Nos. of Computer at Z.P. School premises as per the availability of Room					
			5,00,000	3,00,000	1,00,000	1,00,000	
2	Drinking Water	Water Treatment Plant - 1	5,00,000	3,00,000	1,00,000	1,00,000	
		1-no. each @ GP, ZP School					
			5,00,000	3,00,000	1,00,000	1,00,000	
3	Road & Infrastructure	Crop Godown	60,00,000	50,00,000	5,00,000	5,00,000	
		50' x 30' size metallic structure Shed as per the land allocation by GP					
4		Community Hall	36,00,000	30,00,000	3,00,000	3,00,000	
		32' x 16' as per the land allocation by GP					
5		Levelling of Z.P. School Ground & Repairing of Wall Compound	24,00,000	20,00,000	2,00,000	2,00,000	
		Soil dumping, rolling and Brick wall repairing					
			1,20,00,000	1,00,00,000	10,00,000	10,00,000	
Sub Total -A			1,30,00,000	1,06,00,000	12,00,000	12,00,000	

CER Budget based on Public Hearing Commitments - Village Raipur ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No.	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year

1	Road & Infrastructure	Road touch Community Hall	36,00,000	30,00,000	3,00,000	3,00,000
		40' x 20' Hall, Portable Chairs, Elect. fitting, Fans as per land allocation by GP				
2		Statue of Birsa Munda /Veer Baburao Shedmake	7,00,000	5,00,000	1,00,000	1,00,000
		5' in Height each Statue with Platform as per land allocation by GP				
3		Drainage along the Road side				
		Standard size Storm Water drainage along the Road side from Konsari T-Point to Raipur as per the permission from GP & Forest	40,00,000	35,00,000	2,50,000	2,50,000
			83,00,000	70,00,000	6,50,000	6,50,000
4	Natural Resource Conservation & Measures	Tourism Development				
		Display of Banners for the Advertisement of Shekaru Park at prominent locations like Bus Stops, Junctions, etc.	3,00,000	2,00,000	50,000	50,000
			3,00,000	2,00,000	50,000	50,000
Sub Total -B			86,00,000	72,00,000	7,00,000	7,00,000

CER Budget based on Public Hearing Commitments - Village Dharmpur ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No .	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year
1	Education	New Anganwadi	21,00,000	17,00,000	2,00,000	2,00,000
		Construction of New Anganwadi with Calss Room, Play Ground and Teaching Aid as per land allocation by GP				
			21,00,000	17,00,000	2,00,000	2,00,000
2	Health Care & Sanitation	Health Camp	45,00,000	15,00,000	15,00,000	15,00,000
		Twice in a year, free of cost Medicine, Dr. Fee & with basic arrangement				

			45,00,000	15,00,000	15,00,000	15,00,000
3	Drinking Water	Construction of new Hand Pumps - 2	8,00,000	6,00,000	1,00,000	1,00,000
		Near G.P and as per the area allocation by the GP				
			8,00,000	6,00,000	1,00,000	1,00,000
4		Community Hall	36,00,000	30,00,000	3,00,000	3,00,000
		32' x 16' as per the land allocation by GP				
5	Road & Infrastructure	Levelling of Z.P. School Ground & Repairing of Wall Compound	24,00,000	20,00,000	2,00,000	2,00,000
		Soil dumping, levelling, rolling and Brick wall repairing				
6		Solar Street lights	10,00,000	8,00,000	1,00,000	1,00,000
		Along the internal village road & Chowk (20 nos.)				
			70,00,000	58,00,000	6,00,000	6,00,000
		Sub Total -C	1,44,00,000	96,00,000	24,00,000	24,00,000

CER Budget based on Public Hearing Commitments - Village Umari ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No.	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year
1	Drinking Water	Construction of new Hand Pumps - 2	8,00,000	6,00,000	1,00,000	1,00,000
		1 no. each @ near Temple and ZP School				
			8,00,000	6,00,000	1,00,000	1,00,000
2	Road & Infrastructure	Augmentation of Village Road - 1.2 Kms	1,51,00,000	77,00,000	37,00,000	37,00,000
		A 600 mtr. road from Kishor Kumre to Anganwadi and 600 mtr. road from Birsa Munda to Anganwadi.				
3		Crop Godown	60,00,000	50,00,000	5,00,000	5,00,000
		50' x 30' size metallic structure Shed as per the land allocation by GP				

4	Mata Mandir Shed	22,00,000	20,00,000	1,00,000	1,00,000
	30' x 30' Metallic Shed with RCC Benches				
5	Development of existing playground with open Gym	24,00,000	20,00,000	2,00,000	2,00,000
	All Gym equipment will be accommodate at ZP school provided room				
6	Sports Equipment's for School	10,00,000	8,00,000	1,00,000	1,00,000
	Volleyball Kit, Football Kit, Cricket Kit, Hockey Kit, Bow & Arrow Kit, Lezzim, etc.				
7	School Office Provisions	7,00,000	5,00,000	1,00,000	1,00,000
	(1) Almira - 2 nos. (2) Office Table - 7 nos. and (3) Chair - 7 nos.				
		2,74,00,000	1,80,00,000	47,00,000	47,00,000
Sub Total -D		2,82,00,000	1,86,00,000	48,00,000	48,00,000

CER Budget based on Public Hearing Commitments - Village Yenapur ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No .	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year
1	Education	Library Building & Facilities	24,00,000	20,00,000	2,00,000	2,00,000
		Construction of Building (4m x 6m) at Primary School premises & Library Books				
			24,00,000	20,00,000	2,00,000	2,00,000
2	Road & Infrastructure	Levelling of Z.P. School Ground & Repairing of Wall Compound	24,00,000	20,00,000	2,00,000	2,00,000
		Soil dumping, rolling and Brick wall repairing				
3		Dr. Babasaheb Ambedkar/Chhatrapati Shivaji Maharaj Statue	9,00,000	7,00,000	1,00,000	1,00,000
		5' in Height each Statue with Platform as per land allocation by GP				
4		Construction of new Hand Pumps - 2				

		Near G.P and as per the area allocation by the GP	8,00,000	6,00,000	1,00,000	1,00,000
5		Passenger Shelter at Bus Stop	12,00,000	10,00,000	1,00,000	1,00,000
		12' x 4' Metallic Shed with RCC Benches				
6		Sound System for School	1,50,000	1,00,000	25,000	25,000
		Podium, Mic and Sound Box (2 nos. each)				
7		Provision of Common Toilet Facility with borewell	24,00,000	20,00,000	2,00,000	2,00,000
		It will be provided for Male & Female separately with Sanitary Napkin & Disposal M/c at the location provided by GP				
			78,50,000	64,00,000	7,25,000	7,25,000
Sub Total -E			1,02,50,000	84,00,000	9,25,000	9,25,000

CER Budget based on Public Hearing Commitments - Village Kadholi ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No.	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year
1	Education	School Theatre & Facilities	26,00,000	22,00,000	2,00,000	2,00,000
		Construction of Building (4m x 4m) at School premises as per land allocation by GP				
			26,00,000	22,00,000	2,00,000	2,00,000
2	Road & Infrastructure	School Office Provisions	7,00,000	5,00,000	1,00,000	1,00,000
		(1) Almira - 2 nos. (2) Office Table - 7 nos. and (3) Chair - 7 nos.				
3		Solar Street lights	10,00,000	8,00,000	1,00,000	1,00,000
		Along the internal village road & Chowk (20 nos.)				
4		Digital Wall Painting and Benches	12,00,000	10,00,000	1,00,000	1,00,000
		Water proof Painting all along the roadside wall with provision of 5 nos. cement Benches				

	29,00,000	23,00,000	3,00,000	3,00,000
Sub Total -F	55,00,000	45,00,000	5,00,000	5,00,000

CER Budget based on Public Hearing Commitments - Village Rampur ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.							
Sl. No .	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year	
1	Road & Infrastructure	Construction of new Hand Pumps - 2 Nos.	8,00,000	6,00,000	1,00,000	1,00,000	
		Near G.P and as per the area allocation by the GP					
2		Solar Street Lights	10,00,000	8,00,000	1,00,000	1,00,000	
		Along the internal village road & Chowk (20 nos.)					
3		Drainage along the Road side	13,00,000	10,00,000	1,50,000	1,50,000	
		Standard size Storm Water drainage along the Road side of 100 Mtr. Length					
			31,00,000	24,00,000	3,50,000	3,50,000	
Sub Total -G			31,00,000	24,00,000	3,50,000	3,50,000	

CER Budget based on Public Hearing Commitments - Village Ankhoda ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No .	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year
1	Education	Study Material for School Library	2,40,000	2,00,000	20,000	20,000
		Supply of Books with Almira as per the Standard Library for School Children				
			2,40,000	2,00,000	20,000	20,000
2	Road & Infrastructure	Augmentation of Village Road	39,00,000	25,00,000	7,00,000	7,00,000
		A 250 mtrs. village road to be repaired with Tar /RCC material				

3	Construction of new Hand Pumps - 2 Nos.	8,00,000	6,00,000	1,00,000	1,00,000
	Near G.P and as per the area allocation by the GP				
5	Development of Open Gym	24,00,000	20,00,000	2,00,000	2,00,000
	Outdoor Gym with Benches will be provided as per the land allotted by the GP				
4	Extra Gate for Village	12,00,000	10,00,000	1,00,000	1,00,000
	RCC Monarch Gate at Village entrance with painting				
		83,00,000	61,00,000	11,00,000	11,00,000
Sub Total -H		85,40,000	63,00,000	11,20,000	11,20,000

CER Budget based on Public Hearing Commitments - Village Yenbodala ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No .	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year
1	Education	Improvement of Existing Anganwadi Centres	8,00,000	4,00,000	2,00,000	2,00,000
		Leakage control of existing Anganwadi and Toilet provision for school				
2		Awareness Program on Personal Hygiene and Cleaning	6,00,000	2,00,000	2,00,000	2,00,000
		To organize the training program for the Villagers & School Children's				
			14,00,000	6,00,000	4,00,000	4,00,000
3	Drinking Water	Overhead Water Tank - 1	40,00,000	30,00,000	5,00,000	5,00,000
		1-Lakh Liter Capacity OHT near Existing OHT considering 1000 nos. Population				
			40,00,000	30,00,000	5,00,000	5,00,000
4	Road & Infrastructure	Development of Open /Outdoor Gym	24,00,000	20,00,000	2,00,000	2,00,000
		Outdoor Gym with Benches will be provided as per the land allotted by the GP				

5	Drainage Cleaning	8,00,000	5,00,000	1,50,000	1,50,000
	Cleaning of all drains for Mud & Waste; its disposal and application of Pesticide				
		32,00,000	25,00,000	3,50,000	3,50,000
Sub Total -I		86,00,000	61,00,000	12,50,000	12,50,000

CER Budget based on Public Hearing Commitments - Gadchiroli District ISP 4.5 MTPA Konsari Proposal: Lloyds Metals & Energy Ltd.						
Sl. No .	Particulars	Details of Activity	Budget	1st Year	2nd Year	3rd Year
1	Education	Gondwana University Expansion	25,00,000	25,00,000	-	-
		Preparation of Master Plan for the new campus of Gondwana University				
		University Institute of Technology (UIT)	25,00,00,000	10,00,00,000	10,00,00,000	5,00,00,000
		Establishment of UIT with Gondwana University under PPP model with Curtin University, Australia				
		Intellectual Development for University Staff	10,00,000	10,00,000	-	-
		Facilitating collaboration between Gondwana University & Curtin University, Australia				
			25,35,00,000	10,35,00,000	10,00,00,000	5,00,00,000
2	Road & Infrastructure	Renovation work in Gadchiroli Town	21,00,000	17,00,000	2,00,000	2,00,000
		Repairing work of Old Monuments in coordination with Nagar Parishad, Plantation, Area beautification, etc.				
		Development of Markhandeshwar Resthouse	5,24,00,000	5,00,00,000	12,00,000	12,00,000
		A resthouse for the devotees visiting to Markhandeshwar Temple				
			5,45,00,000	5,17,00,000	14,00,000	14,00,000

3	Green Drive	Green Gadchiroli Drive - <u>(Additional budget toward the recommendation of Hon'ble EAC)</u>	10,86,70,000	8,12,90,000	2,69,80,000	2,69,80,000
		Plantation of total 30000 Nos. Sapling (2-3 years aged)				
		Nursery Development for Green Gadchiroli Drive - <u>(Additional budget toward the recommendation of Hon'ble EAC)</u>	10,64,80,000	7,99,00,000	1,36,90,000	1,36,90,000
		Seed Godown, Manpower (Skilled /Unskilled), Irrigation, Land (Appr. 15 Acres), Poly House, Fencing, Electricity, etc.				
			21,51,50,000	16,11,90,000	2,69,80,000	2,69,80,000
4	Skill Development	Education Academy - <u>(Additional budget toward the recommendation of Hon'ble EAC)</u>	75,00,00,000	10,00,00,000	35,00,00,000	30,00,00,000
		Establishment of Educational Academy for the Skill Development of Unskilled from the overall Gadchiroli District and absorb them into main stream operations /promote for self business development.				
			75,00,00,000	10,00,00,000	35,00,00,000	30,00,00,000
5	Events	Cultural Events	78,00,000	24,00,000	26,00,000	28,00,000
		Event organization at the District Level to motivate the Citizens toward Sports activity				
			78,00,000	24,00,000	26,00,000	28,00,000
Sub Total -J			128,09,50,000	41,87,90,000	48,09,80,000	38,11,80,000
Total (A+B+C+D+E+F+G+H+I+J) with Gadchiroli			138,11,40,000	49,24,90,000	49,42,25,000	39,44,25,000

For Proposed Project Rs. 138,11,40,000/- is budgeted & for existing CER budget Rs. 89,05,20,000/- was budgeted for various Social developmental activities. Total budget of Rs. 22,76,60,000/- for various social developmental activities.

Digitally Signed by : Shri Sonu Singh
Member Secretary, MoEFCC (EC)

Date: 16/08/2026