



**File No: IA-J-11011/243/2019-IA-II(IND-I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**  
**\*\*\***



Date 20/03/2025



To,

M/S LLOYDS METALS AND ENERGY LIMITED  
At Plot A-1 and A-2, MIDC Area, Ghugus  
CHANDRAPUR, MAHARASHTRA, 442505  
Email: lloydsm12568@gmail.com

**Subject:** **Proposed Expansion by Installation of 4.0 MTPA Pellet Plant, 0.84 MTPA Blast Furnace, 0.4 MTPA Coke Oven, 670 TPD Oxygen Plant, EAF based Steel Melting Shop (1.05 MTPA) & Rolling Mill (1.2 MTPA) for production of Wire Rod & TMT along with 90 MW Power Plant (In addition to Existing 0.684 MTPA Sponge Iron Plant (0.324 MTPA is in operation & 0.360 MTPA under construction), 0.216 MTPA OR 150 TPH Coal Washery (in operation) & 85 MW Power Plant (25 MW in operation and 60 MW under construction)) by M/s. Lloyds Metals and Energy Limited, located at village Usgaon, Khasra no. 205, 206 and others at village Ghugus, Tahsil & District Chandrapur, Maharashtra- Consideration of EC-Reg**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND1/515618/2024 dated 27/01/2025 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.	EC24A1006MH5696440N
(ii) File No.	IA-J-11011/243/2019-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),3(a) Metallurgical Industries (ferrous and non ferrous),2(c) Pellet Plant,1(d) Thermal Power Plants,4(b) Coke oven plants,3(a) Metallurgical Industries (ferrous and non ferrous)
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Proposed Expansion by Installation of 4.0 MTPA Pellet Plant, 0.84 MTPA Blast Furnace, 0.4 MTPA Coke Oven, 670 TPD Oxygen Plant, EAF based

(viii) Name of Company/Organization

(ix) Location of Project (District, State)

(x) Issuing Authority

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

Steel Melting Shop (1.05 MTPA) & Rolling Mill (1.2 MTPA) for production of Wire Rod & TMT along with 90 MW Power Plant (In addition to Existing 0.684 MTPA Sponge Iron Plant, 0.216 MTPA OR 150 TPH Coal Washery & 85 MW Power Plant) by Lloyds Metals and Energy Limited M/S LLOYDS METALS AND ENERGY LIMITED.

CHANDRAPUR, MAHARASHTRA

MoEF&CC

Yes

3. The proposed project activity is listed at schedule no. 3(a) Metallurgical Industries (ferrous & non-ferrous), 2(c) Pellet Plants, 4(b) Coke Oven and 1(d) Thermal Power Plants under Category “A” of the schedule of the EIA Notification, 2006 and falls in the Critically Polluted Area of Chandrapur as notified by Central Pollution Control Board (CPCB) and therefore appraised at Central Level.

4. The instant proposal was initially considered during the was considered in the 74th EAC Meeting held during 10th – 11 th February 2025 wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed 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 74th EAC Meeting held during 10th – 11th February 2025, inter-alia, deliberated the following:

1. The instant proposal is for expansion by installation of Pellet Plant (4 MTPA), Blast Furnace (0.84 MTPA), Coke Oven (0.4 MTPA), 670 TPD Oxygen Plant [300 TPD (ASU) and 2x185 TPD (VPSA)], EAF based Steel Melting Shop (1.05 MTPA) and Rolling Mill (1.2 MTPA) and Power Plant (90 MW).

2. Initially, the projects for sponge iron manufacturing plant was accorded the NOC vide Ir.no. Env (NOC)2005/747/CR.97/D.I, dated 28th December 2005, for coal washery environmental clearance was accorded vide Ir.no. J-11015/272/2007-IA.II (M) dated 9th April 2008 and for waste Heat Recovery Based Captive Power Plant of 25 MW capacity environmental clearance was accorded vide Ir.no. J-13012/123/07-IA-II dated 12th October 2009 & Environmental clearance for expansion by adding Induction Furnaces and rolling Mill was accorded by MoEF & CC, New Delhi vide EC Identification No. EC23A008MH158367, File no. IA-J-11011/243/2019-IA-II(IND), Dated 01/05/2023. Thereafter, the project was accorded environmental clearance vide EC Identification no. EC23A1003MH5973383N dated Ir.no. IA-J-11011/243/2019-IA-II(IND), dated 05.02.2024 for expansion of Sponge Iron Plant from 3,24,000 TPA (4 x 100TPD & 1 x 500 TPD) to 6,84,000 TPA by Installation of Additional 2 x500 TPD Kilns & Power Plant from 25 MW to 85 MW(WHRB + AFBC).

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 PP submitted that total area is 213.942 ha which includes existing land of 93.52 ha (leased by MIDC and is industrial land) and additional land of 120.422 ha. (Out of this 1.4 ha is a government land and leased to the company and alternative land provided by the LMEL to the Government in some other location.). As per OM dated 07-10-2014, proposed land registration is completed for 103.44 ha. and this land is in possession of LMEL and for 16.98 ha. of land Sale- Purchase MOU has been signed with the landowner and registration is in process. The EAC is of the opinion that PP shall complete the acquisition of the total land and conversion for industrial purpose prior to commencement of expansion project.
8. The proposed project falls in the Critically Polluted Area of Chandrapur as notified by Central Pollution Control Board (CPCB). The EAC deliberated on the compliance of the conditions as per Ministry's guideline dated 24th October 2019 and found it satisfactory.
9. The nearest habitation to plant is Usgaon (0.46 km) and Ghugus (0.99 km) villages along with other sensitive areas such as schools 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.
10. There are two natural drainages passing through project site. PP has submitted copy of NOC and VNIT letter for Nala diversion and conservation. The EAC opined that PP shall obtain necessary permission (as applicable) for diversion of nala and undertake the same in consultation with the Water Resource Department. Further, Anuradha Lake (620 m, W), Wardha River (2.5 Km, SW), Nirguda Nala (3.0 Km, SSW), Penganga River (5.0 Km, SE) and Sarai Nala (6.5 Km, NE) are flowing within 10 Km. radius of the plant site along with other water bodies are present within the study area of the project site. The EAC opined that a robust and full proof 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.
11. Water requirement for the existing project is 7797 KLD. Water requirement for proposed project will be 27467 KLD. The water is/will be sourced from Wardha River. The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority.
12. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and found it satisfactory
13. It is reported that there are 6 schedule 1 species found in study area. The Wildlife conservation plan for the same is approved by PCCF (Wildlife) Government of Maharashtra on 18.12.2024. The EAC opined that PP shall strictly implement the recommendations made in the approved plan in consultation with the State Forest Department.
14. 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.

15. The PP submitted that existing Green belt development is at 47.7 ha (51%) out of the total area of the project 93.52 ha. The proposed green belt will at 48.57 ha (40.33%) of total area of the proposed project i.e. 120.422 ha. Therefore, the Cumulative green belt development will be at 96.27 ha (45%) of 213.942 ha. The plant has been in operation since 1994-95 and 2,34,650 nos. of trees are planted and 1,05,000 nos. survived till date. Further gap filling has been done. For gap filling around 15000 nos. of trees are planted. Total 1,20,000 no. of trees are well grown. For proposed project 1,21,425 nos. of trees @ 2500 per ha. Out of which 20,000 nos. are planted in monsoon 2024. The EAC deliberated on the greenbelt layout plan and is of the opinion that greenbelt shall be completed in a period of 2 years.
16. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
17. The EAC deliberated on the certified compliance report of IRO and noted that it has been recorded that detailed compliance status has not been prepared since some of the facilities as per 2024 EC are under construction.
18. It is reported that a show Cause was issued on by Maharashtra Pollution Control Board for non-registration on- Fly ash Portal CPCB. Further PP informed that registration on Fly ash Portal of CPCB is already done and hence complied with the direction issued.
19. IA Division, MoEF&CC received an email dated 24th September, 2024, requesting appropriate action to prevent the expansion of Lloyd Metals and Energy Limited at Chandrapur, Maharashtra, due to concerns that such expansion poses severe risks to the environment and the well-being of the local population. Accordingly, the matter was examined in the Ministry, and further vide letter no. IA-J-11011/243/2019-IA-II(I) (E-125660] dated 4th October, 2024 it was requested from MPCB and IRO, MoEF&CC, Maharashtra to examine the issue and submit a factual report on the matter to the Ministry. Accordingly, IRO vide letter F. No. EC-Comp198/RON/2023-NGP/13856 dated 23.12.2024 submitted a factual report based on the complaint pertaining to expansion of project as per 2023 and 2024 EC, based on the inspection carried out on 06.12.2024 wherein it was noted that the components under the EC of 2023 and 2024 are being established. The report also mentions that the issues raised in the complaint are air pollution, the risk of water contamination and public health concerns due to the proposed expansion of the project. As the issues raised are on water pollution, the copy of the complaint was forwarded to the MPCB for further examination and necessary action. MPCB provided a copy of reply sent to the Complainant vide Letter dated 29.11.2024. MPCB stated that they conducted a public hearing for the proposed expansion of M/s. Lloyds Metals & Energy Ltd. at Ghugus, Chandrapur, and submitted the proceedings, including objections and suggestions, to its headquarters for onward submission to MoEF&CC. The board observed that multiple factors, such as industrial activities, coal transportation, domestic coal usage, and poor road conditions, contribute to air pollution in the Ghugus area. Additionally, MPCB has taken legal action against industries violating consent conditions and issued notices to local authorities regarding dust emissions and poor maintenance of roads. The EAC deliberated in detail the issues mentioned in the complaint and the actions taken by MoEF&CC, MPCB and IRO, MoEF&CC and advised PP to strictly abide by the directions of these statutory bodies.
20. The EAC also deliberated on the written submission of project proponent and found it satisfactory.
21. 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.
22. 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.

23. 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 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. Lloyds Metal & Energy Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**). **The PP shall ensure 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.**

9. 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.

10. 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.

11. 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.

12. 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.

13. This issues with approval of the competent authority.

(Dinesh Runiwal)  
Scientist 'F'/Director  
Tel: 011-20819346  
[Email-d.runiwal@gov.in](mailto:Email-d.runiwal@gov.in)

#### **Copy To**

1. The Secretary, Environment & Forest Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai-400032
2. The Secretary, Revenue Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai- 400032
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Principal Chief Conservator of Forests & Government of Maharashtra, MECL Building, Dr. Ambedkar Bhawan, Seminary Hills, Civil Lines, Nagpur-440006
5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur-440001
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32

## 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	In pursuance to MoEF&CC OM's dated 31st October, 2019 & 30th December, 2019 issued in compliance of the order of Hon'ble NGT in OA No. 1038/2018 dated 19th August, 2019, the compliance of all the conditions applicable to CEPI shall be implemented as per the submitted plan.
1.5	The nearest habitation to plant is Usgaon (0.46 km) and Ghugus (0.99 km) villages along with other sensitive areas such as schools within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
1.6	There are two natural drainages passing through project site. PP shall obtain necessary permission (as applicable) for diversion of nala and undertake the same in consultation with the Water Resource Department.
1.7	Anuradha Lake (620 m, W), Wardha River (2.5 Km, SW), Narguda Nala (3.0 Km, SSW), Penganga River (5.0 Km, SE) and Sarai Nala (6.5 Km, NE) are flowing within 10 Km. radius of the plant site along with other water bodies are present within the study area of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.8	Water requirement for the existing project is 7797 KLD. Water requirement for proposed project will be 27467 KLD. The water shall be sourced from Wardha River. PP shall obtain necessary permission from the Competent Authority.
1.9	Three tier Green Belt shall be developed in atleast 40% of the project area, in a period of 2 years 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

S. No	EC Conditions
	sensitive areas, including schools and health centers, nearby project site. 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 33% greenbelt 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 ( <a href="https://merilife.nic.in">https://merilife.nic.in</a> )
1.11	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 87.81 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.12	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village in consultation with the State Administration.
1.13	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.
1.14	As committed, PP shall explore the possibility to utilize fly ash in road making in addition to brick manufacturing.
1.15	PP shall comply with all directives issued by MoEF&CC, MPCB, and IRO, MoEF&CC concerning observations made in response to the complaint.
1.16	The project proponent shall monitor trace metals, including Mercury, Arsenic, and Fluoride, in raw material emissions. Additionally, trace metal concentrations in waste material, particularly in slag, shall be analyzed periodically. Appropriate mitigation measures shall be adopted in case of exceedance of prescribed standards.
1.17	CO sensors shall be installed at all critical locations within the steel plant, including blast furnaces, coke ovens, and other high-risk areas.
1.18	Analyse raw material for mercury, arsenic, fluoride and trace metals once in six months and report to the IRO through 6 monthly compliance report.
1.19	The PP shall ensure compliance of OM dated 14-01-2025 regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE.

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

**1. Statutory Compliance**



S. No	EC Conditions
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

## 2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 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 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.



S. No	EC Conditions
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 <sup>3</sup> 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.
2.18	Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke
2.19	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.
2.20	Monitor CO, HC and O <sub>2</sub> in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
2.21	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.
2.22	The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.

S. No	EC Conditions
2.23	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.
2.24	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.
2.25	The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.
2.26	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.
2.27	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m <sup>3</sup> , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
2.28	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.
2.29	Low NO <sub>x</sub> Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

### 3. Air Quality Monitoring And Preservation In Case Of Bof

S. No	EC Conditions
3.1	Basic Oxygen Furnace (BOF) gas shall be cleaned dry

### 4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the

S. No	EC Conditions
	event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

#### 5. Water Quality Monitoring And Preservation In Case Of Rolling Mills

S. No	EC Conditions
5.1	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.
5.2	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.
5.3	Treated water from ETP of COBP shall not be used for coke quenching.
5.4	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.
5.5	Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
5.6	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.
5.7	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.
5.8	Waste Water shall be effectively treated and recycled completely either for washery operations or

S. No	EC Conditions
	maintenance of green belt around the plant.
5.9	Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
5.10	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 <sup>3</sup> /tonne of raw coal.
5.11	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 once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
5.12	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
5.13	Air Cooled condensers shall be used in the captive power plant.

#### 6. Noise Monitoring And Prevention

S. No	EC Conditions
6.1	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.
6.2	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.
6.3	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.

#### 7. Energy Conservation Measures

S. No	EC Conditions
7.1	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
7.2	Restrict Gas flaring to < 1%.
7.3	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;



S. No	EC Conditions
7.4	Provide LED lights in their offices and residential areas.

#### 8. Energy Conservation Measures In Case Of Reheating Furnace

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

#### 9. Energy Conservation Measures In Case Of Blast Furnace

S. No	EC Conditions
9.1	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.
9.2	Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.

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

S. No	EC Conditions
10.1	The project proponent shall provide waste heat recovery system on the DRI Kilns.
10.2	The dolochar generated shall be used for power generation.
10.3	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.
10.4	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

#### 11. Waste Management

S. No	EC Conditions
11.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
11.2	Kitchen waste shall be composted or converted to biogas for further use.
11.3	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

S. No	EC Conditions
	submitted to the Ministry's Regional Office.
11.4	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 <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . 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.
11.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
11.6	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.

## 12. Waste Management In Case Of Sinter Plant

S. No	EC Conditions
12.1	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.
12.2	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
12.3	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
12.4	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.
12.5	Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).
12.6	Rejects from coal washery shall only be used either in the captive power plant (or) in the Thermal Power Plants meeting emission standards.

## 13. Green Belt

S. No	EC Conditions
13.1	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.
13.2	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.
13.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

#### 14. Public Hearing And Human Health Issues

S. No	EC Conditions
14.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
14.2	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.
14.3	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.
14.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

#### 15. Environment Management

S. No	EC Conditions
15.1	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.
15.2	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.

S. No	EC Conditions
15.3	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.
15.4	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.

#### 16. Miscellaneous

S. No	EC Conditions
16.1	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.
16.2	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.
16.3	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.
16.4	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.
16.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
16.6	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.
16.7	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.
16.8	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.
16.9	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.



S. No	EC Conditions
16.10	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.
16.11	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.
16.12	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).
16.13	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.
16.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
16.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16.16	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.
16.17	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	18.07.2024																					
b.	Period of baseline data collection	October 2023 to December 2023																					
c.	Date of Public Consultation	30.09.2024																					
d.	Action plan to address the PH issues	Public Hearing and need based activities detail proposed are attached as <b>Annexure IV</b> .																					
e.	Location of the project	Located at village Usgaon, Khasra no. 205, 206 and others at village Ghugus, Tahsil & District Chandrapur, Maharashtra																					
f.	Total land	Total area is 213.942 ha which includes existing land of 93.52 ha (leased by MIDC and is industrial land) and additional land of 120.422 ha. (Out of this 1.4 ha is a government land and leased to the company and alternative land provided by the LMEL to the Government in some other location.).																					
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	As per OM dated 07-10-2014, proposed land registration is completed for 103.44 ha. and this land is in possession of LMEL and for 16.98 ha. of land Sale- Purchase MOU has been signed with the landowner and registration is in process.																					
h.	Existence of habitation & involvement of R&R, if any	<p><b>Project site:</b> <b>Study Area:</b></p> <table border="1"> <thead> <tr> <th>Habitation</th><th>Distance</th><th>Direction</th></tr> </thead> <tbody> <tr> <td>Usgaon</td><td>0.46 Km</td><td>SSE</td></tr> <tr> <td>Ghugus</td><td>0.99 Km</td><td>W</td></tr> </tbody> </table>	Habitation	Distance	Direction	Usgaon	0.46 Km	SSE	Ghugus	0.99 Km	W												
Habitation	Distance	Direction																					
Usgaon	0.46 Km	SSE																					
Ghugus	0.99 Km	W																					
i.	Elevation of the project site	207 m above mean sea level																					
j.	Involvement of Forest land if any.	No involvement of forest land.																					
k.	Water body exists within the project site as well as study area	<p><b>Project site:</b> Two natural seasonal drains are passing through the Project site.</p> <table border="1"> <thead> <tr> <th>Water body</th><th>Distance</th><th>Direction</th></tr> </thead> <tbody> <tr> <td>Anuradha Lake</td><td>0.62 Km</td><td>W</td></tr> <tr> <td>Wardha River</td><td>1.0 Km</td><td>S</td></tr> <tr> <td>Penganga River</td><td>3.15 Km</td><td>SE</td></tr> <tr> <td>Khadkia Nala</td><td>3.00 Km</td><td>SW</td></tr> <tr> <td>Nirguda Nala</td><td>1.50 Km</td><td>SSW</td></tr> <tr> <td>Sarai Nala</td><td>6.35 Km</td><td>NE</td></tr> </tbody> </table>	Water body	Distance	Direction	Anuradha Lake	0.62 Km	W	Wardha River	1.0 Km	S	Penganga River	3.15 Km	SE	Khadkia Nala	3.00 Km	SW	Nirguda Nala	1.50 Km	SSW	Sarai Nala	6.35 Km	NE
Water body	Distance	Direction																					
Anuradha Lake	0.62 Km	W																					
Wardha River	1.0 Km	S																					
Penganga River	3.15 Km	SE																					
Khadkia Nala	3.00 Km	SW																					
Nirguda Nala	1.50 Km	SSW																					
Sarai Nala	6.35 Km	NE																					

S.No	Particulars	Details		
		Bop Nala	5.60 Km	SSE
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	No National Parks, Wildlife Sanctuaries, Reserved Forests (RF), Biosphere Reserves, Tiger/ Elephant Reserves, Wildlife Corridors etc. lies within 10 km radius.		
m.	Project cost	The existing capital cost of project was Rs. 1001 Crores. The capital cost of the proposed project is Rs. 5852 Crores.		
n.	EMP cost	The capital cost for environmental protection measures for proposed project is Rs 323 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs 28.8 Crores.		
o.	Employment opportunity	The employment generation from the proposed expansion is 2150		
p.	Water and Power requirement	Water requirement for the existing project is 7797 KLD. Water requirement for proposed project will be 27,467 KLD.  Total Power required for the project will be 162.65 MW.		
q.	CPA/SPA	The project area falls in the Critically Polluted Area of Chandrapur. CPA Action Plan in compliance to CEPI Guideline is submitted.		

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

S. N.	Name of the Unit	Existing Unit/ Under construction	Status	Proposed Configuration & Capacity	Total After Expansion	Remarks
1.	Sponge Iron	4X100 TPD and 1x500 TPD (3,24,000 TPA)	In operation	-	4X100 TPD and 3x500 TPD (6,84,000 TPA)	2 x500 TPD under construction
1a	Sponge Iron	2 x 500 TPD (3,60,000 TPA) Under construction	Under construction	-		
2	Power Generation	25 MW (WHRB + AFBC)	In operation	CFBC & AFBC: 45 MW WHRB: 40 MW	AFBC/CFBC: 70 MW WHRB: 100 MW TRT: 5 MW (Total: 175 MW)	Construction started for 60 MW power plant
2a	Power Generation	60 MW (35 MW WHRB + 25 MW AFBC)	Under construction	TRT: 5 MW		
3.	Coal Washery	0.216 MTPA	In operation	-	0.216 MTPA	No change
4.	Ingots/ Billets	6 X 30 T (5,00,000 TPA)	-	-	Dropped	Dropped
5.	Hot rolled long product / TMT	5,00,000 TPA	-	-	Dropped	Dropped



6.	Pellet Plant	-	-	40,00,000TPA	40,00,000 TPA	In Project under consideration
7.	Blast Furnace of 630 Cum Useful Volume	-	-	8,40,000 TPA	8,40,000 TPA	
8.	Coke Oven	-	-	4,00,000 TPA	4,00,000 TPA	
8.	Oxygen Plant	-	-	300 TPD [Air Separation Unit (ASU)] and 2x185 TPD [Vacuum Pressure Swing Adsorption S(VPSA)]	300 TPD and 2x185 TPD	
9.	Steel Melt Shop 2X 50 T EAF, 3 X 50 T LF, 1x50 T VD, 2 Caster	-	-	10,50,000 TPA	10,50,000 TPA	
10	Rolling Mill for Wire Rod & TMT	-	-	12,00,000 TPA (2 X 0.6 MTPA)	12,00,000 TPA	

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

PH Budget for Proposed Project									
Sr. No.	Major Activity Heads	Unit	Numbers	Unit Cost in Rs.	Total Cost Rs. In Lacs.	1st Year Rs. In Lacs.	2nd Year Rs. In Lacs.	3rd Year Rs. In Lacs.	Total amount Rs. In Lacs.
<b>A</b>	<b>Water Resource Development</b>								
1	Deepening & Cleaning of Village Ponds & Lake	No	13	10,00,000	130.00	65.00	32.50	32.50	<b>554.00</b>
2	Training and Capacity building of the villagers towards water conservation and effective utilization and exposure visits.	No	60	40,000	24.00	12.00	6.00	6.00	
3	Improvement/Upgradation of Drinking Water Distribution System and Infrastructure	No	20	3,00,000	60.00	30.00	15.00	15.00	
4	Hand pump New / Renovation	No	40	1,50,000	60.00	30.00	15.00	15.00	
5	Provision of Water ATM along With RO System with Solar Panel	No	8	10,00,000	80.00	40.00	20.00	20.00	
6	Construction of Farm pond for Water Conservation (20X20X3 meter) 1200 Cum	No	100	80,000	80.00	40.00	20.00	20.00	
7	Solar Water Supply Unit for community/ RO water	Nos.	20	6,00,000	120.00	60.00	30.00	30.00	
<b>A</b>	<b>SUB TOTAL -A</b>				<b>554.00</b>	<b>277.00</b>	<b>138.50</b>	<b>138.50</b>	<b>1423.00</b>
<b>B</b>	<b>Agriculture Development</b>								
1	Awareness Programme and Support on Innovative Agriculture Practices ( Yellow trap Mico-organism, PSB,KSB, Azotobactor	No	100	40,000	40.00	20.00	10.00	10.00	

### PH Budget for Proposed Project

Sr. No	Major Activity Heads	Unit	Numbers	Unit Cost in Rs.	Total Cost Rs. In Lacs.	1st Year Rs. In Lacs.	2nd Year Rs. In Lacs.	3rd Year Rs. In Lacs.	Total amount Rs. In Lacs.
	Trichocard, Jivamrut Organic Farming )								
2	Promoting Scientific approach in Composting of FYM (Vermicompost, NADEP, Effective Microorganism Solution)	No	300	20,000	60.00	30.00	15.00	15.00	
3	Promotion of Best PoPs (Package of Practice) in various crop Cultivation (Horticulture, Floriculture, Vegetable INM, IPM IDM, ICM)	No	1000	40,000	400.00	200.00	100.00	100.00	
4	Effective irrigation Practices (Drip, Sprinkler, Rain Pipe etc.)	No	1000	35,000	350.00	175.00	87.50	87.50	
5	Solar Zatka Machine for Protect crop from Wild Animals	No	1500	12,000	180.00	90.00	45.00	45.00	
6	Preventive Health Checkup, Deworming, and Vaccination camps for Animals and Fodder Plots	No	300	20,000	60.00	30.00	15.00	15.00	
7	Support to training and support small farmers for livelihood generation goat, poultry unit, fishery (Selection of Beneficiaries based on Antyodaya card holders)	Nos.	400	55,000	220.00	110.00	55.00	55.00	
8	Support to New Technology for Drudgery Reduction farmers ( Hoeing	Nos.	100	1,00,000	100.00	50.00	25.00	25.00	

PH Budget for Proposed Project									
Sr. No	Major Activity Heads	Unit	Numbers	Unit Cost in Rs.	Total Cost Rs. In Lacs.	1st Year Rs. In Lacs.	2nd Year Rs. In Lacs.	3rd Year Rs. In Lacs.	Total amount Rs. In Lacs.
	Machine , Sewing Machine and others )								
9	Shredder Machine for Reduce Cotton Stems burning to Gram panchayat	Nos.	13	1,00,000	13.00	6.50	3.25	3.25	
	<b>SUB TOTAL – B</b>				<b>1423.00</b>	<b>711.50</b>	<b>355.75</b>	<b>355.75</b>	
<b>C</b>	<b>Women empowerment</b>								
1	SHG Panchsutra training & Law sessions for women issues or Domestic Violence	Nos.	40	25,000	10.00	5.00	2.50	2.50	<b>400.00</b>
2	Capital equipments for SHG such as Sewing machines, Cooking equipments and need based requirements	Nos.	20	2,50,000	50.00	25.00	12.50	12.50	
3	Exposure visit /Awareness sessions /Social/cultural programmes through SHGs/Vehicle Hire charges	Nos.	100	50,000	50.00	25.00	12.50	12.50	
4	Skill training courses and Support for bussiness of women for self-employment encouragement - short term courses like Beauty parlour, Stitching, Pickle, floor cleaner, etc.	Nos.	150	50,000	75.00	37.50	18.75	18.75	
5	Support to Small business development (Traders , Services like Grocery shop, Cloth Centre, Beauty Parler	Nos.	200	1,00,000	200.00	100.00	50.00	50.00	
6	International Women Day	Nos.	3	5,00,000	15.00	7.50	3.75	3.75	
	<b>SUB TOTAL - C</b>				<b>400.00</b>	<b>200.00</b>	<b>100.00</b>	<b>100.00</b>	
<b>D</b>	<b>Health &amp; Sanitation Development</b>								<b>2660.00</b>
									<b>0</b>



### PH Budget for Proposed Project

Sr. No	Major Activity Heads	Unit	Numbers	Unit Cost in Rs.	Total Cost Rs. In Lacs.	1st Year Rs. In Lacs.	2nd Year Rs. In Lacs.	3rd Year Rs. In Lacs.	Total amount Rs. In Lacs.
1	Hospital with administrative expenses	Nos	1	15,00,00,000	1500.00	0.00	0.00	1500.00	
2	Cardiac Ambulance services and support	Nos	1	50,00,000	50.00	25.00	12.50	12.50	
3	Additional Medical equipments for Ghugus Public Health Centre, Hospital	Lump sum	1	1,50,00,000	150.00	75.00	37.50	37.50	
4	Capacity Building Program and Critical Input Support (Aasha worker, Stakeholders' training/ Meeting, VHNSC and Input Support)	Nos.	40	20,000	8.00	4.00	2.00	2.00	
5	Financial Assistance for Critical Health Support including Minor & Major Surgeries (eg: TB, Cancer and Others )	Nos.	40	1,00,000	40.00	20.00	10.00	10.00	
6	IEC material Development (MCH/NCD Community Meeting, Gender, family Planning, Patients meeting, Lifestyle Management etc.)	Nos.	40	30,000	12.00	6.00	3.00	3.00	
7	IEC work at Anganwadi Centres and BALA painting and Model Anganwadi Structures	Nos.	20	2,00,000	40.00	20.00	10.00	10.00	
8	Total Sanitation program - (Awareness/IEC printing, painting)	Nos.	40	1,50,000	60.00	30.00	15.00	15.00	
9	Mega Health Check Up Camp, CD and Village Community Clinic Establishment	Nos.	100	4,00,000	400.00	200.00	100.00	100.00	

PH Budget for Proposed Project									
Sr. No	Major Activity Heads	Unit	Numbers	Unit Cost in Rs.	Total Cost Rs. In Lacs.	1st Year Rs. In Lacs.	2nd Year Rs. In Lacs.	3rd Year Rs. In Lacs.	Total amount Rs. In Lacs.
10	eye check-up camp and support to operations	Nos.	50	1,00,000	50.00	25.00	12.50	12.50	
11	EMS Ambulance Services for Villagers Management cost,	Nos.	8	15,00,000	120.00	40.00	40.00	40.00	
12	Sanitation facility ( Public Toilet, Segregation Shade , Vehicles , dustbin )	Nos.	13	10,00,000	130.00	43.33	43.33	43.33	
13	Control of Dust by providing fogger machine	Nos.	2	25,00,000	50.00	0	25.00	25.00	
14	Sanitation (Drainage, Soak Pit, STP,)	No	10	5,00,000	50.00	25.00	12.50	12.50	
	<b>SUB TOTAL - D</b>				<b>2660.00</b>	<b>513.33</b>	<b>323.33</b>	<b>1823.33</b>	
<b>E</b>	<b>Education</b>								<b>1281.00</b>
1	Support to ZP school- provide the Educational Material, including teaching material and shoes for 1500 Student per year	No	13	2,00,000	26.00	13.00	6.50	6.50	
2	E- Learning Unit (Smart Classroom, Projector, Computers)	No	13	4,00,000	52.00	26.00	13.00	13.00	
3	Support for Physical Education - Smart Play equipment	No	24	50,000	12.00	6.00	3.00	3.00	
4	Bala Painting at School (2000 Sq.)	No	13	2,00,000	26.00	13.00	6.50	6.50	
5	CLG Grant for Higher education		750	1,50,000	1125.00	375.00	375.00	375.00	
6	Capacity Building Program for SMC and Teacher, Students on Smart Education, Exposer Visit	Nos.	40	1,00,000	40.00	20.00	10.00	10.00	
	<b>SUB TOTAL - E</b>				<b>1281.00</b>	<b>453.00</b>	<b>414.00</b>	<b>414.00</b>	
<b>F</b>	<b>Community Welfare</b>								<b>1048.00</b>

### PH Budget for Proposed Project

Sr. No	Major Activity Heads	Unit	Numbers	Unit Cost in Rs.	Total Cost Rs. In Lacs.	1st Year Rs. In Lacs.	2nd Year Rs. In Lacs.	3rd Year Rs. In Lacs.	Total amount Rs. In Lacs.
1	Infrastructure development at village level i.e. (CC Road, Community places Development, School Infra, Promotion of renewable energy, SMART Village work etc.)	No	13	10,00,000	130.00	65.00	32.50	32.50	
2	Solid Waste Collection vehicles and Bins	Nos.	5	5,00,000	25.00	12.50	6.25	6.25	
3	Solid Waste Collection Bins	Nos.	3000	2,000	60.00	30.00	15.00	15.00	
4	Oxygen Park (Plantation and Infra, watering Structure for Park 3 Acre)	No	2	5,00,000	10.00	5.00	2.50	2.50	
5	Renewable energy (solar based) for Govt. office (Grampanchayat and other)	No	13	4,00,000	52.00	26.00	13.00	13.00	
6	Renewable energy (solar based) for Anganwadi's	No	5	4,00,000	20.00	10.00	5.00	5.00	
7	Solar Street light 30 Watts inbuilt	No	300	50,000	150.00	75.00	37.50	37.50	
8	Solar High Mast (60 wat x 4 panel and bulb)	No	20	4,50,000	90.00	45.00	22.50	22.50	
9	Biodiversity Garden 3 Acre (Plants and other Infra work)	No	3	50,00,000	150.00	75.00	37.50	37.50	
10	Village Resource Centre (Books, Smart Tv, Infrastructure)	Nos	13	5,00,000	65.00	32.50	16.25	16.25	
11	Community spaces/hall on Grampanchayat Land	Nos	13	20,00,000	260.00	130.00	65.00	65.00	
12	Funeral Vehicle for Villagers	Nos	3	12,00,000	36.00	36.00	0.00	0.00	
	<b>SUB TOTAL - F</b>				<b>1048.00</b>	<b>542.00</b>	<b>253.00</b>	<b>253.00</b>	

PH Budget for Proposed Project									
Sr. No.	Major Activity Heads	Unit	Numbers	Unit Cost in Rs.	Total Cost Rs. In Lacs.	1st Year Rs. In Lacs.	2nd Year Rs. In Lacs.	3rd Year Rs. In Lacs.	Total amount Rs. In Lacs.
<b>G</b>	<b>Skill Development</b>								<b>1000.00</b>
1	Skill Development of Youth ( LMV, HMT, and Electrician, and short term courses	No	250	40,000	100.00	50.00	25.00	25.00	
2	Establishment of Skill Centre	Nos.	1	9,00,00,000	900.00	0.00	450.00	450.00	
	<b>Sub Total G</b>				<b>1000.00</b>	<b>50.00</b>	<b>475.00</b>	<b>475.00</b>	
<b>H</b>	Unplanned/ Need based Activity for Three Years	Nos.	9	30,00,000	270.00	135.00	67.50	67.50	<b>270.00</b>
<b>H</b>	<b>SUB TOTAL -</b>				<b>270.00</b>	<b>135.00</b>	<b>67.50</b>	<b>67.50</b>	
	<b>Total A+B+C+D+E+F+G+H</b>				<b>8636.00</b>	<b>2881.83</b>	<b>2127.08</b>	<b>3627.08</b>	8636.00
<b>I</b>	<b>Project Management Cost</b>				<b>145.40</b>	<b>48.33</b>	<b>48.33</b>	<b>48.33</b>	<b>145.40</b>
	<b>Total A+B+C+D+E+F+G+H+I</b>				<b>8781.40</b>	<b>2930.17</b>	<b>2175.42</b>	<b>3675.42</b>	<b>8781.00</b>
	<i>Individual Beneficiary preference will be given to Antodaya Rashan Card Holder from nearby 13 villages.</i>								